

CURRICULUM VITAE

Neal Stewart Rote, Ph.D.
Vice Chair for Academic Affairs and Director, Division of the Research
Department of Obstetrics and Gynecology
MacDonald Women's Hospital, University Hospitals of Cleveland, Case Medical Center
Professor of Reproductive Biology and Professor of Pathology
Case School of Medicine
Case Western Reserve University

I. PERSONAL DATA

Date of Birth: May 15, 1946
Place of Birth: Harrisburg, Pennsylvania
Citizenship: USA
Office Address: Department of Obstetrics and Gynecology
8018 MacDonald Women's Hospital
University Hospitals of Cleveland
11100 Euclid Avenue
Cleveland, Ohio 44106-5034
Telephone: (216) 844-8131 (direct)
(216) 844-3888 (secretary)
FAX: (216) 844-7095
E-mail: neal.rote@UHHospitals.org
neal.rote@case.edu

II. EDUCATION

B.A.: Temple University, Philadelphia, PA, 1969, Major-Biology (*cum laude*)
Ph.D.: Temple University School of Medicine, Philadelphia, PA, 1974, Medical Microbiology and Immunology, Thesis Advisor: Alois Nowotny, Ph.D., Thesis Title: The Role of Long Chain Carboxylic Acids in Endotoxin
Post-Doctoral: Visiting Assistant Professor, Institute for Hygiene and Medical Microbiology, School of Medicine, Heidelberg University, Heidelberg, Germany, 1974-1976; Mentor: Bernhard Urbaschek, M.D.
Postdoctoral Fellow in Tumor Immunology, Department of Surgery, Division of Oncology, UCLA School of Medicine, Los Angeles, CA, 1976-1978; Mentor: Donald L. Morton, M.D.

III. PROFESSIONAL APPOINTMENTS

III.A. 2001-Present Case Western Reserve University, Cleveland, OH

III.A.1. **Administrative Appointments**

Vice Chair for Academic Affairs, Department of Obstetrics and Gynecology, MacDonald Women's Hospital, University Hospitals of Cleveland, 2005-present
Director, Division of Research, Department of Obstetrics and Gynecology, MacDonald Women's Hospital, University Hospitals of Cleveland, 2004-present
Director, Division of Research, Department of Obstetrics and Gynecology, MetroHealth Medical Center, 2001-2004

III.A.2. Academic Appointments

Professor (tenure), Department of Reproductive Biology, Case School of Medicine
Professor, Department of Pathology (secondary appointment), Case School of Medicine

III.A.3. Other Appointments

Current

Member, Center for Stem Cell and Regenerative Medicine, University Hospitals of Cleveland/Case Western Reserve University, 2005-present.

Previous

Member, Charles H. Rammelkamp, Jr. Center for Education and Research, MetroHealth Medical Center, 2001-2004

Faculty Mentor, MetroHealth Physician Scientist Pathway, Department of Medicine, MetroHealth Medical Center

III.B. 1990-2001 Wright State University, Dayton, OH

III.B.1. Administrative Appointments

Associate Dean for Graduate Programs, College of Science and Mathematics, 2000-2001

Chair, Department of Microbiology and Immunology, School of Medicine and College of Science and Mathematics, 1990-2000

III.B.2. Academic Appointments

Professor, Department of Biological Sciences, College of Science and Mathematics, 2000-2001

Professor, Department of Obstetrics and Gynecology, School of Medicine, 1990-2001

Professor, Department of Microbiology and Immunology, College of Science and Mathematics and School of Medicine, 1990-2000

III.B.3. Other Appointments

Member of Graduate Faculty in the Ph.D. Program in Biomedical Sciences and the M.S. Program in Microbiology and Immunology

Director, Flow Cytometry Center, College of Science and Mathematics, Wright State University

Director, Clinical Laboratory, Frederick A. White Health Center, Wright State University, 1994-1996

Consultant, Miami Valley Hospital Fertility Center, Dayton, OH

Consultant, Chapel Hill Fertility Center, Chapel Hill, NC

III.C. 1987-1990 University of Southern Maine, Portland, ME and Foundation for Blood Research, Scarborough, ME

III.C.1. Primary Appointments

Professor and Chair, Department of Applied Medical Sciences (initially named Applied Immunology), School of Applied Science, University of Southern Maine; **founded Department**

Director of the Reproductive Immunology Laboratory and Acting Director (1989-1990), Division of Cellular Immunology, Foundation for Blood Research

III.C.2. Secondary Appointment

Clinical Affiliate, Department of Obstetrics and Gynecology, Maine Medical Center, Portland

III.C.3. Other Appointments

Director of the M.S. Graduate Program in Applied Immunology, University of Southern Maine

Director, Pregnancy Evaluation and Treatment Center, Foundation for Blood Research and the Department of Obstetrics and Gynecology, Maine Medical Center

Faculty Associate and Member of the Graduate Faculty in Ph.D. Program, Department of Biochemistry, Microbiology, and Molecular Biology, University of Maine, Orono

Associate Professor (Part-time; courtesy appointment to faculty at Maine Medical Center), Department of Obstetrics and Gynecology, University of Vermont School of Medicine

III.D. 1978-1987 University of Utah School of Medicine, Salt Lake City, UT

III.D.1. Primary Appointments

Department of Obstetrics and Gynecology, School of Medicine

Research Instructor: 1978-1981; Research Assistant Professor: 1981-1982; Assistant Professor: 1982-1984; Associate Professor: 1984-1987

Director, Research Laboratories, Department of Obstetrics and Gynecology, 1980-1987

III.D.2. Secondary Appointment

Department of Pathology, School of Medicine

Research Instructor: 1978-1980; Research Assistant Professor: 1980-1983; Assistant Professor (Adjunct): 1983-1984; Associate Professor (Adjunct): 1984-1987

III.D.3. Other Appointments

Director, Recurrent Abortion Laboratory, Department of Obstetrics and Gynecology, 1985-1987

Department of Pathology and Clinical Laboratories of the University of Utah/Associated Regional and University Pathologists

Consultant in Clinical Immunology, 1985-1987

Director, Clinical Immunology Laboratory, 1982-1985

Associate Director, Tissue Typing Laboratory, 1981-1985

Associate Director, Clinical Immunology Laboratory, 1979-1982

Member of the Graduate Faculty in Ph.D. Program in Experimental Pathology and M.S. Program in Medical Technology/Medical Laboratory Science, Department of Pathology

Member, Center for Infectious Diseases, Diagnostic Microbiology and Immunology, 1982-1987

IV. MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Society for Reproductive Immunology, since 1980

Councilor: 1983-1986; President-elect: 1987-1988; **President**: 1988-1989; Past-President (Served on Council): 1989-1990; Nominations Committee (**Chair**): 1992-1994; Vice President: 1994-1995; reelected 1995-1996; Nominations Committee (**Chair**): 2002; Served on Council as Past-President: 2002; Nominations Committee: 2002-2003

International Coordination Committee for the Immunology of Reproduction (elected), since 1988

International Federation of Placental Associations, since 1994

International Society for the Immunology of Reproduction, since 1986

Placenta Association of the Americas, since 2000

Society for Gynecologic Investigation (elected), since 1982

Society for Maternal-Fetal Medicine (elected), since 2001

Society for the Investigation of Early Pregnancy, since 1995

Society for the Study of Reproduction (elected), since 1994

American Association of Immunologists (elected), 1984-2001

American Society for Microbiology, 1972-2001

Association of Medical School Microbiology and Immunology Chairs, 1990-2000

International Association of Medical Science Educators (Charter member), 1997-2000

New York Academy of Sciences, 1995-2001

V. AWARDS AND HONORS

Major Teaching/Research Awards:

Teaching Excellence Award, 1990-1991 Academic Year, Awarded by the Members of the Class of 1994 to the outstanding Year 1 instructor, School of Medicine, Wright State University, 1991

Excellence in Medical Education Award, Awarded by the Dean, School of Medicine, Wright State University, 1992

Teaching Excellence Award, 1992-1993 Academic Year, Awarded by the Members of the Class of 1996 to the outstanding Year 1 instructor, School of Medicine, Wright State University, 1993

Distinguished Teaching Award, 1993-1994 Academic Year, Awarded by the Members of the Class of 1996 to those instructors who made "exemplary contributions" to their educational experience during Year 2, School of Medicine, Wright State University, 1994

Excellence in Medical Education Award, Awarded by the Dean, School of Medicine, Wright State University, 1995

Teaching Excellence Award, 1995-1996 Academic Year, Awarded by the Members of the Class of 1999 to the outstanding Year 1 instructor, School of Medicine, Wright State University, 1996.

Presidential Award for Faculty Excellence: Outstanding University Faculty Member, Wright State University; This is the highest award presented by the faculty/administration and recognizes continued excellence in all university-wide activities: teaching, research, and service, 1996.

Teaching Excellence Award, 1998-1999 Academic Year, Awarded by the Members of the Class of 2002 to the outstanding Year 1 instructor, School of Medicine, Wright State University, 1999.

Other Honors

Undergraduate degree -- *cum laude*, 1969

Temple University Predoctoral Fellowship, 1970-1972

NIH Predoctoral Fellow, Temple University School of Medicine, 1972-1974

Visiting Assistant Professor, Heidelberg University, 1974-1976

NIH Postdoctoral Fellow, UCLA School of Medicine, 1976-1978

John R. Park Teacher's Fellowship, University of Utah, 1978

Recipient, Travel Award from the International Society for the Immunology of Reproduction to attend the Society's International Symposium in Kyoto, Japan, 1983

Tenure, University of Southern Maine, 1987

Visiting Scholar, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China, 1987

Tenure, Wright State University, 1990

"An Affair of the Heart" Research Award, Dayton Area Heart Association, 1991

Selected as nominee from School of Medicine and College of Science and Mathematics for Trustees' Award for Faculty Excellence, Wright State University, 1994; This award is designed to recognize continued excellence in all areas of university activity; teaching, research, and service.

Selected as nominee from School of Medicine for President's Award for Excellence in Teaching, Wright State University, 1994

Master of Ceremonies for School of Medicine Convocation, 1995

Selected by Dean, School of Medicine, to be Faculty Marshall at Hooding Ceremony (Graduation), 1996

Visiting Professor, Institute of Primate Research, National Museums of Kenya, Nairobi, Kenya, 1997

Recognition by Graduating Classes, School of Medicine, Wright State University

Selected by Class of 1994, to be Registrar at Hooding Ceremony (Graduation), 1994

Invited Keynote Speaker at Annual Dinner for Inductees into Alpha Omega Alpha Medical Honor Society, 1996

Selected by Class of 1996, to be "Hooder" at Hooding Ceremony (Graduation), 1996

Selected by Class of 1999, to be Registrar at Hooding Ceremony (Graduation), 1999

Tenure, Case Western Reserve University, 2001

VI. PROFESSIONAL SERVICE

VI.A. NIH Study Section Participation

Human Embryology and Development-I (HED-I) Study Section

Ad hoc member, October, 1988; February, June, 1989

Member, July 1, 1989 to June 30, 1993

Outside Reviewer, October, 1993

Human Embryology and Development-II (HED-II) Study Section

Outside Reviewer, June, October, 1989

Ad hoc Human Embryology and Development Study Section, February, 1992 (**Chair**); June, 1992

Ad hoc Reproductive Biology Study Section, January, July, 1994; July 2001

Special Review Committee, Small Research Grants Program (RO3) for NICHD Physician-Scientists, May, 1995

Review Committee, Minority Biomedical Support Program, Outside Reviewer, June, 1995

Ad hoc Metabolism Study Section, March, 1999

Member, NICHD Special Emphasis Panel (ZHD1 DSR-L [CH]) review of Program Project on Mechanisms of Preeclampsia: Impact of Obesity, July, 2007

Member, NIH Reviewer Reserve, 1993-present

VI.B. *Ad hoc* Research Proposal Reviewer

Dayton Children's Medical Center Research Committee, Dayton, OH, 1994, 1997

Israel Ministry of Science and Technology, Tel Aviv, Israel, 1993, 2000, 2001

Jewish Hospital Foundation, Louisville, KY, 1995

Maine Agricultural Experiment Station, Orono, ME, 1988

Maine Science and Technology Foundation, Augusta, ME, 1995

March of Dimes, Augusta, ME, 1989

Medical Research Council of Canada, 1987, 1990

Research Corporation, 1991

Thrasher Research Fund, Salt Lake City, UT, 1986

Tommy's Campaign, London, England, 1997

University of Southern Maine, College of Applied Sciences, Portland, ME, 2000

VI.C. Editorial Boards

American Journal of Obstetrics and Gynecology, Reviewer, 1993-present

American Journal of Reproductive Immunology and Microbiology, 1984-1987

Journal of Reproductive Immunology, 1989-1996

VI.D. *Ad hoc* Journal Reviewer

American Journal of Pathology; *American Journal of Physiology*; *American Journal of Reproductive Immunology*; *Arthritis and Rheumatism*; *Biology of Reproduction*; *Diagnostic Microbiology and Infectious Disease*; *Experimental Cell Research*; *Expert Review in Clinical Immunology, Fertility and Sterility*; *Human Reproduction*; *Immunology Letters*; *Journal of the American Medical Association*; *Journal of Clinical Investigation*; *Journal of General Virology*; *Journal of Immunological Methods*; *Journal of Leukocyte Biology*; *Journal of Reproductive Immunology*; *Journal of Reproductive Medicine*; *Lancet*; *Molecular and Cellular Biology*; *Molecular Reproduction and Development*; *Obstetrics and Gynecology*; *Placenta*; *Proceedings of the National Academy of Sciences, USA*; *Reproduction, Fertility and Development*; *Retrovirology*; *Transplantation*; *Trophoblast Research*

VI.E. Reviewer

- Co-editor, *Immunology in Obstetrics and Gynecology*, Appleton-Century-Crofts, Norwalk, CT, 1985
- Summation of plenary session #6: Immunotherapeutic methods for altering reproductive success. In *Reproductive Immunology 1986: Proceedings of the 3rd International Congress of Reproductive Immunology*, (eds DA Clark, BA Croy), Elsevier Science Publishers, Amsterdam, pp 236-238, 1986
- Chapters 48-51, In *Nursing Pharmacology*, (eds M Schlafer, E Mariet), Addison-Wesley, Menlo Park, CA, 1987
- Immunology Section, In *How to Prevent Miscarriage and Other Crises of Pregnancy* (eds S Semchyshyn, C Colman), MacMillan, 1989
- Section Editor, Mechanisms of self-defense, In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby, St. Louis, MO, 1990
- Section Editor, Mechanisms of self-defense, In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby, St. Louis, MO, **2nd Edition**, 1992
- Section Editor, Immunity and Inflammation, In *Understanding Pathophysiology*, (ed S Huether, K McCance), C.V. Mosby Co., St. Louis, MO, 1995.
- Section Editor, Mechanisms of self-defense, In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby, St. Louis, MO, **3rd Edition**, 1998.
- Section Editor, Immunity and Inflammation, In *Understanding Pathophysiology*, (ed S Huether, K McCance), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, 2000.
- Section Editor, Mechanisms of self-defense, In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby, St. Louis, MO, **2nd Edition**, 2002.
- Section Editor, Immunity and Inflammation, In *Understanding Pathophysiology*, (ed S Huether, K McCance), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, 2004.
- Section Editor, Mechanisms of self-defense, In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby, St. Louis, MO, **5th Edition**, 2006.
- Section Editor, Immunity and Inflammation, In *Understanding Pathophysiology*, (ed S Huether, K McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, 2006.
- Associate Editor, *Understanding Pathophysiology*, (ed S Huether, K McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, 2006.

VI.F. International Committees

- International Coordination Committee for the Immunology of Reproduction, 1988-1990
- International Advisory Committee, International Meeting on Pregnancy Loss, Tel Aviv, Israel, 1988-1989
- New Investigator Review Committee, Meeting of the European Placental Group, Glasgow, Scotland, 2005

VI.G. National Committees and Offices

- American Society for Reproductive Immunology
- Committee to Define Criteria for Autoimmune Pregnancy Loss, 1997-1998
 - Committee to Evaluate Significance, Diagnosis, and Therapy of the Antiphospholipid Antibody Syndrome, 1996-1998
 - Congress Organizing Committee, 1982-1983, 1987-1988 (**Chair**), 1988-1989 (**Chair**)
 - Constitution and By-laws Committee, 1995-1996
 - Executive Council, 1983-1990, 1994-1996
 - Nominations Committee, 1992-1994, 2002 (**Chair**), 2003
- Society for Gynecologic Investigation
- Program Committee for the Annual Meeting, 1989, 1992-1994, 1996, 1998, 1999, 2005
- Society for the Study of Reproduction
- Nominating Committee, 1996

VI.H. State of Ohio/Dayton Region Committees

- Dayton Area Graduate Medical Education Consortium
- Education and Research Work Group, 1998-2001
- Technical Consultant, Edison Biotechnical Consortium, Southern Ohio Branch, 1997-2001
- Miami Valley Regional AIDS Consortium/Ryan White Fund Committee, 1994-2001
- Public Information Committee, Ohio Scientific Education and Research Association, 1994-1996, **Chair**, 1996-1997
- Greater Dayton Area Hospital Association Task Force on AIDS, 1991-1993

VI.I. Cleveland Region Committees

- Judge, Cleveland Society of Obstetricians and Gynecologists Resident and Fellow Research Day, 2002

VII. SERVICE ON MEDICAL SCHOOL, HOSPITAL, OR UNIVERSITY COMMITTEES

VII.A. 2001-Present Case Western Reserve University

University

- Good Guys Group, committee of male faculty supporting development of female faculty, **Chair (2006-present)**, 2005-present
- President's Advisory Committee for Promotion and Tenure in the School of Engineering, 2005-2006

School of Medicine

Committee on Appointments, Promotions, and Tenure, 2002-2005; **Co-Chair in 2003-2004**.
Joan Harris Staff Recognition Award Committee, 2004
Symposium on "How to get promoted", held at MetroHealth Medical Center, 2003.

Department of Obstetrics and Gynecology at MacDonald Women's Hospital, University Hospitals of Cleveland

Appointments, Promotions, and Tenure Committee, 2004-present
Editor, 2004 Annual Report
Editor, 2005 Annual Report
Education Committee, 2005-present
Planning Committee, Ob/Gyn Grand Rounds, 2006-present
Resident Education Committee, 2004-2005
Resident Research Committee, 2004-present
Search Committee, Chief of Division of Reproductive Endocrinology and Infertility, **Chair**, 2007
Workshop on Promotion and Tenure, Organizer, 2004

Department of Obstetrics and Gynecology at MetroHealth Medical Center

Appointments, Promotions, and Tenure Committee, **Chair**, 2002-2004
Editorial Committee, 2002 Annual Report, 2002-2003
Editorial Committee, 2003 Annual Report, 2003-2004
Faculty Development Committee, 2003-2004
Research Committee, 2001-2004; **Chair**, 2001-2003.
Workshop on Promotion and Tenure, Organizer, 2002

Rammelkamp Center for Education and Research

"A Taste of Rammelkamp" Planning Committee, organization of seminar series designed to education the non-scientists at MetroHealth about research activities at the Rammelkamp Center, **Chair**, 2001-2002

VII.B. 1990-2001 Wright State University

University

Graduate Council, 1990-1992; Alternate, 1992-1994; 2000-2001
Laboratory Animal Care and Utilization Committee, 1991-1995, (**Vice-Chair**, 1993-1994)
President Inaugural Planning Committee, 1998
 Induction Subcommittee, 1998
Search Committees
 Dean, School of Medicine, 1998-1999
 Provost/Vice President for Academic Affairs, 1995
 Associate Director for Networking, Communications and Telecommunications Division, 1995
 Dean of the College of Science and Mathematics, 1991-1992
 Interim Dean of the College of Science and Mathematics, 1991
Strategic Planning Council, 1996-1999

School of Medicine

Ad hoc Committee for the NMR Center, 1990-1991
Ad hoc Group on Evaluation Procedures, 1992
Administrative Review Committees
 Seven-Year Administrative Review of the Chair of the Department of Surgery, 1997-1998
Advisory Board, *Vital Signs*, publication of the School of Medicine, 1996-2001
Basic Science Chairs Group, 1990-2000
Biennium I Subcommittee, 1990-2000
Budget Advisory Committee, 1990
Clinical/Basic Research Interaction Committee, 1994-2000
Curriculum Design Committee, 1995-1996
 Symposium on Curriculum Revision, Organizing Subcommittee, 1995
 Subcommittee for Biennium I Curriculum Design, 1995-1996
Curriculum Development and Implementation Committee for First Biennium, 1996-1998
 Content Group: Principles of Disease Course in 1st Year Basic Science Curriculum, 1996-1997
 Content Group: Blood Course in 2nd Year Organ System Curriculum, 1996-1997
 Content Group: Infectious Disease Course in 2nd Year Organ System Curriculum, 1996-1998, **Chair**
 Content Group: Reproduction Course in 2nd Year Organ System Curriculum, 1996-1998, **Chair**
 Steering Committee: Infectious Disease Course, Year 2, 1998
Curriculum Development and Implementation Committee for Second Biennium, 1998-2000
 Content Group: Women's Health Course in 3rd Year Clinical Rotations, 1998-2000
Dean's Advancement Committee, 1995-2000
Diversity Awareness Trainer, 1997, 1999
Endowment Committee, Basic Science Representative, 1991-1992
Excellence in Medical Education Awards Committee, 1993

Excellence in Medical Education Awards Selection Committee, 1996
Executive Committee, 1990-2000
External Grant Evaluation Committee, 1995
Faculty Development Committee, 1997-1999
Faculty Development Task Force, 1995-1997
 Subcommittee on Linking Institutional/Personnel Goals, 1995-1997, **Chair**
 Subcommittee on Faculty Skills Development, 1995-1997
Grant Writing Seminar Committee, 1995
Horizons in Research Advisory Committee, 1998-2000
Molecular Biology and Biotechnology Committee, 1992-1993, **Chair**
Panel to Discuss Diversity Issues, Orientation Program for First Year Medical Students, 1997, 1998
Research Committee, 1993-1994
 Subcommittee to Redesign Application Process for Wright State University Medical Student Research Fellowship, 1993-1994
Research Committee, Department of Obstetrics and Gynecology, 1990-2001, (**Chair**, 1990-1992)
Search Committees
 Chair of the Department of Obstetrics and Gynecology, 1992-1993
 Chair of the Department of Obstetrics and Gynecology, 1999-2000
Steering Committees for Curriculum, 1998-2001
 Principles of Disease Course, Year 1, 1998-2001
 Women's Health Course, Year 2, 1998-2001
Task Force on Clinical and Basic Science Correlations, 1992
Task Force on Infectious and Environmental Hazards, 1991-1992, **Chair**

College of Science and Mathematics

Ad hoc Committee to Develop Educational Criteria for Promotion and Tenure, 1997-1998
Biotechnology Center Committee, 1991-1992
College Climate Working Group, 1995-1996
Committee to Develop an Educational Assessment Program, 1994-1995
Committee for Renaming EMS Building, 1991
Executive Committee, 1990-2001
Gender Equity Task Force, 1995-1996
Three-Year Administrative Review of the Dean of the College of Science and Mathematics, 1998-1999

Interdepartmental Committees

Ad hoc Promotion and Tenure Committee for Adrian Corbin, 1996, **Chair**
Administrative Review Committees
 Five-Year Review of the Chair of the Department of Biochemistry and Molecular Biology, 1995-1996
 Retention Review of Chair of the Department of Biochemistry and Molecular Biology, 1998
Computer Graphics Committee, Matrix Departments, 1993, **Chair**

Biomedical Sciences Ph.D. Program

Academic Policies Committee, 1991-1996, 1997-1999
Admissions Committee, 1995-1996; 1999-2000
Curriculum Committee
 Ad hoc Subcommittee on Preliminary Examination, **Chair**, 1996
 Ad hoc Subcommittee on Core Curriculum, 1996-1997
 Subcommittee to Develop an Intercellular Communications Course, 1991-1992

University Medical Services Association, Inc. (private practice plan)

Board of Directors, 1993-1995, **Secretary**
Management Committee, 1993-1995, **Secretary**
Laboratory Subcommittee, 1994-1995, **Chair**
Research and Education Committee, 1993-1995
Management Committee Liaison to the Code of Regulations/Policy Committee, 1994-1995
Subcommittee to Develop an Employment Agreement for Non-Physician Faculty, 1993

VII.C. 1987-1990 University of Southern Maine

State of Maine

Steering Committee, Maine Biological and Medical Sciences Symposium, 1988-1990

University of Southern Maine

Animal Care Committee, 1988-1990
Educational Committee, Bingham Consortium for Health Research, 1988-1990
Epidemiologist Search Committee, 1989
Organizer of University of Southern Maine Faculty Research Seminars, 1988-1989
Panel Member, Forum on "Student Rights, Faculty Rights, Animal Rights", 1988
Policy Board, Bingham Consortium for Health Research, 1988-1990
Study Abroad Faculty Advisory Board, 1989-1990
Study Commission on University of Southern Maine Academic and Research Programming in Health and the Human Services, 1989-1990

Maine Medical Center

Animal Care Committee, *ad hoc* member, 1988
Institutional Review Board, 1989-1990
Research Review Committee, 1987-1989
Scientific Advisory Staff, Maine Cytometry Research Institute, 1987-1990

VII.D. 1978-1987 University of Utah School of Medicine

Committee to Create a Medical Scientist Training Program, 1983
University Senate Nominating Committee, 1982

VIII. TEACHING ACTIVITIES

VIII.A. COURSES

VIII.A.1. 2001-Present Case Western Reserve University

Course Director

Pathology 419 (Reproductive Immunology), elective for M.D. students and Ph.D. students in the Department of Pathology, Spring, 2005, 2007.

Problems in Obstetrics and Gynecology, series of presentations for Residents in Obstetrics and Gynecology that brings together clinicians and researchers for a broad discussion of selected topics, 2006, 2007.

Contributing Faculty Member

Maternal-Fetal-Medicine Conference, Department of Obstetrics and Gynecology, University Hospitals of Cleveland

Antiphospholipid Antibody Syndrome

Resident Core Lectures, Department of Obstetrics and Gynecology, University Hospitals of Cleveland

Autoimmune Diseases of Pregnancy

Microbiology and Immunology

Cancer Immunology

Resident Core Lectures, Department of Obstetrics and Gynecology, MetroHealth Medical Center

Research Methodology

Autoimmune Diseases of Pregnancy

Microbiology and Immunology

VIII.A.2. 1990-2001 Wright State University

Course Director

Honors 400 (Society, Medicine, and Science: AIDS) an interdisciplinary study of AIDS for undergraduate Junior and Senior Honors students, Winter, 1995, Spring, 1997, Winter, 1999, 2001. 3 hours/week; completely planned, developed, and taught course

Microbiology and Immunology 220 for undergraduate Nursing Students, Fall, 1990, Spring/Fall, 1991. 5 hours/week; course coordinator and provided 5 hours of lecture

Microbiology and Immunology/Biology 462 (Immunology) for undergraduate students, Spring, 1992, 1994, Winter, 1996, 1998, 2000. 3 hours/week; completely planned, developed, and taught course

Microbiology and Immunology 500 (Immunology & Virology, 1990-1992; Immunology, 1993-1995) for 1st year Medical Students, Spring, 1990-1997. 24 hours/week; course coordinator; completely planned, developed, and taught Immunology portion

Microbiology and Immunology 510 (Bacteriology, Mycology, and Parasitology, 1990-1992; Bacteriology, Mycology, Parasitology, and Virology, 1993-present) for 2nd year Medical Students, Fall, 1990-1992, 1995-1997. 24 hours/week; course coordinator; taught 6 hours

Microbiology and Immunology 770 (Intercellular Communications) for Ph.D. Students in Biomedical Sciences Program, Spring, 1993, 1994, Fall 1994, Spring, 1996-2000. 3 hours/week; collaboratively planned and developed course; taught a third of course.

Microbiology and Immunology 800 (Seminar/Journal Club) for M.S. Students, quarterly, 1998-1999. 2 hour/week; completely planned, developed, and taught course.

Microbiology and Immunology 851 (Reproductive Immunology) for Ph.D. and M.S. Students, offered yearly. 2 hours/week; completely planned, developed, and taught course.

Microbiology and Immunology 852 (Clinical Immunology) for Ph.D. and M.S. Students, offered yearly. 2 hours/week; completely planned, developed, and taught course.

Principles of Disease/SMD530 (Immunology, Basic Concepts in Pathology, Basic Concepts in Microbiology) for 1st year Medical Students, Spring, 1998-2000. 24 hours/week; course coordinator; completely planned and developed course; taught entire Immunology and Inflammation section (approximately half of course)

Contributing Faculty Member

Honors 201 (Science, Technology, and Society) a study of the role of science in society for undergraduate Junior and Senior Honors students, Spring, 1997.
Infectious Diseases, for 2nd year Medical Students, Summer, 1998.
Introduction to Clinical Medicine II; Problem Based Learning for 2nd year Medical Students, Summer, 1995.
Microbiology and Immunology 510 (Bacteriology, Virology, Mycology, and Parasitology) for 2nd year Medical Students, Fall, 1993, 1994.
Microbiology and Immunology 445, 745 (Advanced Immunobiology) for Undergraduate and Graduate Students, Spring, 1991-1999.
Introduction to Research to Ph.D. Students in Biomedical Sciences Program, Fall, 1990-2000.
Microbiology and Immunology 220 for undergraduate Nursing Students, Summer, 1990.
Women's Health, for 2nd year Medical Students, Spring, 1999.

VIII.A.3. 1987-1990 University of Southern Maine and Regional Colleges

Course Director: completely planned, developed, and taught all courses listed

Applied Immunology/Biology 499 (Immunology) for undergraduate students, Spring 1989.
Applied Immunology 610 (Cellular Immunology Lecture) for Master's students in Applied Immunology, Fall 1987-1989.
Applied Immunology 611 (Cellular Immunology Laboratory) for Master's students in Applied Immunology, Fall 1987-1989.
Applied Immunology 620 (Molecular Immunology Lecture) for Master's students in Applied Immunology, Spring 1988-1990.
Applied Immunology 621 (Molecular Immunology Laboratory) for Master's students in Applied Immunology, Spring 1988-1990.
Applied Immunology 630 (Medical Immunology Lecture) for Master's students in Applied Immunology, Fall 1988, Summer 1989, Spring 1990.
Applied Immunology 631 (Medical Immunology Laboratory) for Master's students in Applied Immunology, Fall 1988, Summer 1989, Spring 1990.
Applied Immunology 662 (Reproductive Immunology) elective for Master's students in Applied Immunology, yearly 1988-1990.
Applied Immunology 651 (Scientific Writing) elective for Master's students in Applied Immunology, yearly 1988-1990.
Applied Immunology 666 (Laboratory Management) elective for Master's students in Applied Immunology, 1989.
Applied Immunology 667 (Teaching Immunology) elective for Master's students in Applied Immunology, 1989, 1990.
Applied Immunology 690 (Journal Club) for Master's students in Applied Immunology, each semester 1987-1990.
Biology 404 (Immunology) for undergraduate students at St. Joseph's College, North Windham, Maine, Spring, 1989.

Contributing Faculty Member

Genetics, provided lecture in Immunogenetics to undergraduate students in Department of Biology, Spring, 1990.
Advanced Pathophysiology, provided lectures in Immunology to Masters students in Nursing, School of Nursing, Spring, 1989.
Applied Immunology 610 (Cellular Immunology) for Masters students in Applied Immunology, Fall, 1988.
Cellular Physiology, provided lectures in Immunology to undergraduates at Bowdoin College, Brunswick, Maine, 1987.

VIII.A.4. 1978-1987 University of Utah

Course Director: School of Medicine

Pathology 304, 504 (Clinical Immunology) for Graduate and Undergraduate Students in Medical Technology, yearly, spring quarter, 1979-1986.
Human Immunopathology, Pathology Department, for Graduate Students in Experimental Pathology, spring quarter, 1983.
Basic and Clinical Immunology, for undergraduate Pharmacy Students, spring quarter, 1984-1986.
Director of Immunology Section, Master's Program in Medical Laboratory Sciences, 1985-1987.

Contributing Faculty Member: School of Medicine

Pathology 714, Medical Student Senior Elective in Clinical Diagnosis, Provided lectures in Clinical Immunology, winter quarter, 1983-1987.
Provided lectures on Reproductive Immunology during Obstetrics and Gynecology section of Medical Student curriculum, 1979-1987.
Provided lectures on Immune Complex Diseases during Pathology section of Sophomore Medical Student curriculum, 1983-1987.

Contributing Faculty Member: School of Medical Technology

Medical Technology 601, provided lectures in Clinical Immunology for Graduate Students in Medical Technology, winter quarter, 1983-1986.
Hematology, provided lectures in Immunology and Immunologic Diseases of Blood Clotting for undergraduate students in Medical Technology, 1986, 1987.

Contributing Faculty Member: School of Nursing

Provided lectures on Inflammation and Immunology during pathophysiology section of undergraduate curriculum, 1983-1986.
Provided lectures on Inflammation and Immunology during Master's programs in General Nursing and Pediatric Nursing, 1984-1986.

Contributing Faculty Member: Other Programs

Provided lectures in Clinical Immunology for Pathology Residents during their rotation through the Clinical Immunology Laboratory.
Provided lectures in Clinical Immunology to regional hospitals as part of Clinical Pathology's continuing education program, 1982-1987.

VIII.B. SYMPOSIUM / WORKSHOP PARTICIPATION

VIII.B.1. Director

Co-Director, Immunology and Infections in Pregnancy, Postgraduate course sponsored by the Department of Obstetrics and Gynecology, University of Utah, Snowbird, UT, January 24-26, 1980
Co-Director, 4th Annual International Symposium of the American Society for the Immunology of Reproduction, Park City, UT, June 8-11, 1983
Program Director, 8th Annual Meeting of the American Society for the Immunology of Reproduction, Portland, ME, 1988
Program Director, 9th Annual Meeting of the American Society for the Immunology of Reproduction, Portland, ME, 1989
Director, Symposium on Woman's Health Issues: Infertility and Recurrent Pregnancy Loss, Portland, ME, 1989

Co-Director, Living with Lupus/Sjogren's: 1994 Lupus/Sjogren's Symposium, co-sponsored by The Lupus/Sjogren's Support Group of Miami Valley and Wright State University, Dayton, OH, 1994
Program Director, Workshop on Faculty Development, Department of Ob/Gyn, MetroHealth Medical Center, Cleveland, OH, 2002
Program Director, Workshop on Faculty Development, Department of Ob/Gyn, University Hospital, Cleveland, OH, 2004
Organizer, Series on The Placenta, Grand Rounds, Department of Obstetrics and Gynecology, MacDonald Women's Hospital, University Hospital, Cleveland, OH, 2006 Included: Pregnancy Loss (N Rote), Psychology of Pregnancy Loss (N Brier), Intrauterine Growth Restriction (N Illsley), Preeclampsis (L Myatt), Prematurity (S Fortunato).
Program Director, Symposium on Prevention of Pregnancy Loss, Center for the Prevention of Pregnancy Loss, MacDonald Women's Hospital, University Hospital, Cleveland, OH, planned for 2006.

VIII.B.2. Invited Session Chairperson

- 1984 5th Annual International Symposium of the American Society for the Immunology of Reproduction, Durham, NC
Meeting of the Rocky Mountain Immunology Society, Alta, UT
1985 6th Annual International Symposium of the American Society for the Immunology of Reproduction, Ann Arbor, MI
1986 3rd International Congress of Reproductive Immunology, Toronto, Canada
1987 7th Annual International Symposium of the American Society for the Immunology of Reproduction, Indianapolis, IN
1988 3rd International Symposium on Antiphospholipid Antibodies and Thrombosis, Kingston, Jamaica
Symposium on Immunologic Causes of Recurrent Pregnancy Loss at the 8th Annual International Symposium of the American Society for the Immunology of Reproduction, Portland, ME
1989 Session on Pregnancy Loss Due to Abnormal Autoimmunity at the International Meeting on Pregnancy Loss, Tel Aviv, Israel
Session on Immunology, 15th Annual Maine Biological and Medical Sciences Symposium, Portland, ME
Session on Autoimmunity and Pregnancy, 9th Annual Meeting of the American Society for the Immunology of Reproduction, Portland, ME
1990 Plenary Session on Pregnancy Loss, 10th Annual Meeting of the American Society for the Immunology of Reproduction, Chicago, IL
1992 Session on Autoimmune and Other Immune Mechanisms Underlying Fetal Loss, 12th Annual meeting of the American Society for the Immunology of Reproduction, Charleston, SC
Discussion Leader, Clinical Reproductive Immunology Session, 5th International Congress of Reproductive Immunology, Rome, Italy
1994 Workshop on Woman's Health and SLE, Living with Lupus/Sjogren's: Lupus/Sjogren's Symposium, co-sponsored by The Lupus/Sjogren's Support Group of Miami Valley and Wright State University, Dayton, OH
1995 Co-Chair, Discussion Group on Experiences in Implementing Course-Based Integration, Second Biennial Conference of the Basic Science Education Forum: Strategies for Integrating Clinical and Basic Sciences, Lincolnshire, IL
Session on Immune Mechanisms in the Female and Male Reproductive Tracts, Immunology of Implantation Workshop, 28th Annual Meeting of the Society for the Study of Reproduction, Davis, CA
1996 Session on Autoimmune Aspects of Pregnancy, 16th Annual Symposium of the American Society for Reproductive Immunology, Knoxville, TN
2004 Session on Reproductive Immunology, 51st Annual Meeting of the Society for Gynecologic Investigation, Houston, TX
Poster Session, 24th Annual Meeting of the American Society for Reproductive Immunology, St. Louis, MO.
2005 Leader, Poster Tour on Trophoblast Intercellular Fusion and Differentiation, 11th Meeting of the European Placenta Group and the International Federation of Placental Associations, Glasgow, Scotland.

VIII.B.3. Invited Participant

- 1987 National Heart, Lung, and Blood Institute sponsored Workshop on Antiphospholipid Antibodies and Thrombosis, Bethesda, MD
1989 Institute of Child Health and Human Development sponsored Workshop on Pregnancy-Induced Hypertension, Bethesda, MD
1991 National Heart, Lung, and Blood Institute/Institute of Child Health and Human Development sponsored Workshop on Antiphospholipid Antibodies, Bethesda, MD
1997 Institute of Child Health and Human Development sponsored International Meeting on Preterm Labor, Charleston, SC
2006 Workshop on Defining Protocols for the Prevention of Prematurity, Preterm Birth Collaborative (PREBIC), WHO Campus, Geneva, Switzerland

VIII.C. GRADUATE TRAINING

VIII.C.1. 2001-present Case Western Reserve University

Julia Head, 4th year Medical Student, Cleveland Clinic Foundation, 2007-present

VIII.C.2. 1990-2001 Wright State University

Ramkumar Menon, M.S. in Microbiology and Immunology, 1993
Susan (Nicholson) Smith, M.S. in Microbiology and Immunology, 1994
Elizabeth Vogt, M.S. in Microbiology and Immunology, 1994
Henoah Awaloei (M.D.), M.S. in Microbiology and Immunology, 1995
Rahael Shafi (M.D.), Ph.D. in Biomedical Sciences (co-advisor with Dr. David Giron), 1995
Erik Gustafson, Ph.D. in Biomedical Sciences (co-advisor with Dr. Jack Bernstein), 1996
Gabrielle DeVere, M.S. in Microbiology and Immunology, 1997
Amy Gerlach-Obringer, Ph.D. in Biomedical Sciences, 1998
1st Prize Paper, Annual Sigma Xi Science Symposium, Wright State University, 1994
2nd Prize Paper, Annual Sigma Xi Science Symposium, Wright State University, 1995
Seon Hee Chang, M.S. in Microbiology and Immunology, 1998
Christopher Mikesell, M.S. in Microbiology and Immunology, 1998
April N. Smith, M.S. in Microbiology and Immunology (co-advisor with Dr. Brenda Wilson), 1999

Lin Lin (M.D.), M.S. in Microbiology and Immunology, 1993; Ph.D. in Biomedical Sciences, 1999
Cynthia Dupler, M.S. in Microbiology and Immunology, 2000
Marjet Heitzer, M.S. in Microbiology and Immunology, 2000
Keven Huang, M.S. in Microbiology and Immunology, 2000
Nidhi Kumar, (M.D.) M.S. in Microbiology and Immunology, 2000
Pankaj Singhal (M.D.), M.S. in Microbiology and Immunology, 2000
Vijay Shivaswamy, (M.D.) M.S. in Microbiology and Immunology, 2001
Antia Signh, (M.D.) M.S. in Microbiology and Immunology, 2001
Michael N. Kent, M.S. in Microbiology and Immunology, 1995; Ph.D. in Biomedical Sciences, 2002
1st Prize Paper in Neuroscience, National Student Research Forum, Galveston, Texas, 1996
Susan Stager, M.S. in Microbiology and Immunology, 2002

VIII.C.3. 1987-1990 University of Maine, Orono

Timothy W. Lyden, Ph.D. in Microbiology, 1992
1st Prize Paper in Obstetrics and Gynecology, National Student Research Forum, Galveston, Texas, 1992

VIII.C.4. 1987-1990 University of Southern Maine

Kathleen M. Anderson, M.S. in Applied Immunology, 1990
Marybeth W. Carmody, M.S. in Applied Immunology, 1990
1st Prize Paper, 15th Annual Maine Biological and Medical Sciences Symposium, 1989
Lisa M. Lemieux, M.S. in Applied Immunology, 1990
Edwin O'Chei, M.S. in Applied Immunology, 1990
Roberta Roberts, M.S. in Applied Immunology, 1990

VIII.C.5. 1978-1987 University of Utah School of Medicine

Stephanie L. Roth, M.S. in Medical Technology, 1984
Eric P. Trunnell, Ph.D. in Health Education, 1986
Ying Li, M.S. in Medical Laboratory Science, 1987
Dorene A. Dostal, M.S. in Medical Laboratory Science, 1988

VIII.D. GRADUATE STUDENT THESIS COMMITTEES

VIII.D.1. 1990-2001 Wright State University

Ph.D. Committees

Miranda Jarnot, Ph.D. in Biomedical Sciences, 1995

M.S. Committees

Susan Mahrer, M.S. in Microbiology and Immunology, 1990
Karen Herbort, M.S. in Microbiology and Immunology, 1993
W. John Mako, M.S. in Microbiology and Immunology, 1993
Hai Zhang, M.S. in Microbiology and Immunology, 1993
Jisi An, M.S. in Biological Sciences, 1994
Chunguang Gao, M.S. in Microbiology and Immunology, 1994
Tonya Maiden, M.S. in Microbiology and Immunology, 1994
Catherine Wolfe, M.S. in Microbiology and Immunology, 1994
Armando Soto, M.S. in Microbiology and Immunology, 1995
Jennifer Raker, M.S. Microbiology and Immunology, 1996
Scott Jenkins, M.S. Microbiology and Immunology, 1997
Philip Khalil, M.S. in Microbiology and Immunology, 1997
Patricia Bennett, M.S. in Microbiology and Immunology, 1998
Christine Downey, M.S. in Microbiology and Immunology, 1998
Glenn McGillivray, M.S. in Microbiology and Immunology, 1998
Kevin Peterson, M.S. in Microbiology and Immunology, 1998
John Rigano, M.S. in Microbiology and Immunology, 1998
Kenneth W. Dean, M.S. in Microbiology and Immunology, 1999
Tracee Housel, M.S. in Microbiology and Immunology, 1999
Quincy Carter, M.S. in Microbiology and Immunology, 2000
Robert McLaughlin, M.S. in Microbiology and Immunology, 2000
Ericka Parker, M.S. in Microbiology and Immunology, 2000
Robert Ratzlaff, M.S. in Microbiology and Immunology, 2000
Erin Stiles, M.S. in Microbiology and Immunology, 2000
Ruth Babb, M.S. in Microbiology and Immunology, 2001
Jennifer Lerma, M.S. in Microbiology and Immunology, 2001

VIII.D.2. 1987-1990 University of Southern Maine

Sara W. Mayo, M.S. in Applied Immunology, 1989
Anne E. Breggia, M.S. in Applied Immunology, 1990
Nathalie R. Forester, M.S. in Applied Immunology, 1990
Patricia Paris, M.S. in Applied Immunology, 1990
Ronald E. Burnham, M.S. in Applied Immunology, 1991
Shelley R. Given, M.S. in Applied Immunology, 1991
Gregory P. Francoeur, M.S. in Applied Immunology, 1991
Elizabeth F. Pritchard, M.S. in Applied Immunology, 1991
Myron Whipkey, M.S. in Applied Immunology, 1991

VIII.E. POSTDOCTORAL FELLOWS

VIII.E.1. 2001-Present Case Western Reserve University

Kathy Bachman, M.D., Scholar in Woman's Reproductive Health Research Career Development Center, 2001-2002
Madhusudan Das, Ph.D., 2002-2003
Susmita Chakrabarti, Ph.D., 2003-2006
Frank González, M.D., Scholar in Woman's Reproductive Health Research Career Development Center, 2002-2006
Yihong Yu, M.D., 2004
Bih-Rong Wei, Ph.D., 2004-2007
Chuan Xu, M.D., 2005-present

VIII.E.2. 1990-2001 Wright State University

Richard Adler, Ph.D., 1991-1993
Hiroshi Katsuragawa, M.D., 1992
Timothy W. Lyden, Ph.D., 1992-1994
Craig Richmond, Ph.D., 1995-1996
Bo Xu, M.D., Ph.D., 1997-1999
Kimberly Perrine, Ph.D., 1998-2000
Lin Lin, M.D., Ph.D., 1999-2000

VIII.E.3. 1978-1987 University of Utah

Michael R. Caudle, M.D., 1981-1983
D. Ware Branch, M.D., 1983-1985
R. Jane Lau, M.D., 1983-1985
Chang-Sheng Yin, M.D., 1984-1985
Fung-Chao Tu, M.D., 1984-1985

VIII.F. MEDICAL STUDENT RESEARCH TRAINING

VIII.F.1. 1990-2001 Wright State University

Dana M. Frazer, class of 1996
Julie Lavinder, class of 1996
Tempest A. Mault, class of 1996
Brian M. Mehling, class of 1996
Laura L. Burch, class of 1997
Fereshti Khavaai, class of 1997
Merrilee Cox, class of 1998
Radhika Kakaria, class of 1998
Singh Ahn Boun, class of 1999
Mark Green, class of 1999
Sandra Hervey, class of 2000

VIII.G. RESIDENT RESEARCH TRAINING

VIII.G.1. 2001-Present Case Western Reserve University

Terry Cannon, M.D., Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH, 2004-2006
Steve Yu, M.D., Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH, 2005-present

VIII.G.2. 1990-2001 Wright State University

Richard M. Johnson, M.D., Department of Surgery, Miami Valley Hospital, Dayton, OH, 1992-1993
Leonard C. Ezenagu, M.D., Department of Obstetrics and Gynecology, Miami Valley Hospital, Dayton, OH, 1993-1996

Judith J. Burichin, M.D., Department of Obstetrics and Gynecology, Miami Valley Hospital, Dayton, OH, 1994-1997

VIII.H. UNDERGRADUATE RESEARCH TRAINING

VIII.H.1. 2001-Present Case Western Reserve University

Saily Aloni, John Carroll University, 2005

VIII.H.2. 1990-2001 Wright State University

Kirsten Bromagen, Department of Biology, Wright State University, 1994

Forrest Taylor, College of Education, Wright State University, 1994

Neesha Griffin, Department of Biology, Wilberforce University, 1995

Serita L. McGienia, Department of Biology, Central State University, 1995

IX. RESEARCH SUPPORT

IX.A. Active Grants

Antiphospholipid Antibody Heterogeneity

July 1, 2003 – April 30, 2008

NIH, RO1 HD043566-01A1

Principal Investigator, 40% Effort and Salary

\$1,125,000 in Direct Costs

Antibody-directed targeting of ovarian cancer blood vessels

March 15, 2006 – March 14, 2007

OROC (Out Run Ovarian Cancer) Advocacy and Research Group

Principal Investigator, Co-Investigators: Vivian von Gruenigen, M.D., Steven Waggoner, M.D.

\$26,000

IX.B. Pending Proposals

Pathophysiology of Antiphospholipid Antibodies

July 1, 2007 – June 30, 2012

NIH, RO1 AI075349-01A1

Principal Investigator, 30% Effort

\$1,250,000 in Requested Direct Costs

Trophoblast Intercellular Fusion

April 1, 2008 – March 31, 2010

NIH, R21 HD052803

Principal Investigator, 10% Effort

\$275,000 in Requested Direct Costs

IX.C. Previously Active Grants

NIH

Center for Study of Growth Regulation in Human Pregnancy, December 1, 1999 – November 30, 2005 (no cost extension through November 30, 2006), K12 HD01273, Woman's Reproductive Health Research Career Development Center, Principal Investigator: Patrick Catalano, M.D., Neal S. Rote, Ph.D.: Program Director (2000-2003), 20% Effort, \$1,611,629 in Direct Costs

Placental Endogenous Retrovirus Expression, February 1, 2003 – January 31, 2006, RO3 HD043546-(01-02), Principal Investigator, 10% Effort
\$100,000 in Direct Costs

Antiphospholipid Antibodies and Pregnancy Loss, April 1, 1997 - March 31, 2003, RO1 HD23697- (09-14), Principal Investigator, 25% Effort,
\$612,080 in Direct Costs

Antiphospholipid Antibodies and Pregnancy Loss, July 1, 1992 - June 30, 1996, RO1 HD23697- (05-08), Principal Investigator, 17% Effort,
\$767,528 in Direct Costs

NIH/Science Education Partnership Award: A Model Program to Enhance Precollege Science Education, September 30, 1991 - September 29, 1994, SO3 RR03133, Co-Investigator, 5% Effort, \$720,525 in Direct Costs

Antiphospholipid Antibody and Hypertension in Pregnancy, August 1, 1988 - July 31, 1992, RO1 HD24490, Principal Investigator, 15% Effort, \$319,811 in Direct Costs

Antiphospholipid Antibodies and Pregnancy Loss, August 1, 1988 - June 30, 1992, RO1 HD23697 (01-04), Principal Investigator, 15% Effort, \$478,957 in Direct Costs

Immune Thrombocytopenia in Pregnancy, April 1, 1986 - March 31, 1989, RO1 HD20495, Principal Investigator, 35% Effort, \$168,032 in Direct Costs

Lupus Anticoagulant and Spontaneous Pregnancy Loss, April 1, 1986 - March 31, 1989, RO1 HD21515, Co-Principal Investigator with D. Ware Branch, M.D., 50% Effort, \$268,323 in Direct Costs, Resigned as Co-PI on March 31, 1987 because of relocation to Maine

Mechanisms of Host Resistance to Group B Streptococci, January 1, 1983 - December 31, 1986, RO1 AI13150, Co-Investigator with Harry R. Hill, M.D., 10% Effort, \$310,019 in Direct Costs

Prenatal Vaccination to Group B Streptococcal Disease, July 1, 1981 - June 30, 1984, HD14797, New Investigator Award, Principal Investigator, 50% Effort, \$107,500 in Direct Costs

Mechanisms of Host Resistance to Group B Streptococci, January 1, 1980 - December 31, 1982, RO1 AI13150, Co-Investigator with Harry R. Hill, M.D., 5% Effort, \$267,504 in Direct Costs

NSF

Renovation of Research Space for the Department of Microbiology and Immunology, January 1, 1993 - December 31, 1994, NSF, STI-9214353, Academic Research Infrastructure Program, Principal Investigator, 15% Effort, \$309,500 in Direct Costs

Enhancing the Knowledge and Teaching Skills of High School Biology Teachers Through a Program in an Interdisciplinary Science - Immunology, February 1, 1990 - January 31, 1993, Teacher Enhancement Program, TPE-8955280, Principal Investigator, 17% Effort, \$440,423 in Direct Costs, Resigned as PI on June 30, 1990 because of relocation to Ohio

American Heart Association

Antiphospholipid Antibodies, Trophoblast Control of Maternal Coagulation and Pregnancy Loss, July 1, 1996 - June 30, 1999 (terminated on June 30, 1997 because of successful NIH application), **Ohio Affiliate**, Principal Investigator, 10% Effort, \$90,000 in Direct Costs

Antiphospholipid Antibodies and Recurrent Thromboembolic Disease, July 1, 1991 - June 30, 1992, **Ohio Affiliate**, Principal Investigator, 5% Effort, \$15,000 in Direct Costs

Antiphospholipid Antibodies and Recurrent Thrombosis, September 1, 1988 - August 31, 1990, Principal Investigator, 10% Effort, \$34,871 in Direct Costs

March of Dimes

Autoantibodies and Late Pregnancy Morbidity and Mortality, April 1, 1989 - March 31, 1991, Co-Investigator with James Haddow, M.D., 10% Effort, \$50,000 in Direct Costs

Private Foundation

Prediction of Transient Neonatal Immune Thrombocytopenia Purpura, November 1, 1981 - October 31, 1983, **Thrasher Research Fund**, Principal Investigator, 40% Effort, \$31,500 in Direct Costs

Institutional

Autoimmune Pregnancy Loss and Intertrophoblast Fusion, May 1, 2003 - December 31, 2003, **The MetroHealth Foundation, Inc.**, Grant #019-2003, Principal Investigator, 5% Effort, no Salary, \$25,000 in Direct Costs

Regulation of Placental hCG by Endogenous Retrovirus-3 Expression, June 1, 1999 - May 31, 2001, **Wright State University School of Medicine Medical Innovation Grant**, Principal Investigator, 5% Effort, \$50,000 in Direct Costs

Mechanisms of Trophoblastic Differentiation, April 1, 1998 - March 31, 1999, **Wright State University School of Medicine Biomedical Research Support Grant**, Principal Investigator, 5% Effort, \$7,500 in Direct Costs

Differentiation-Related Trophoblastic Antigens, January 1, 1995 - July 1, 1997, **State of Ohio Research Challenge**, Principal Investigator, 5% Effort, \$12,000 in Direct Costs

Trophoblastic HIV-1 Crossreactive Proteins, August 15, 1993 - July 1, 1994, **Wright State University School of Medicine Biomedical Research Support Grant**, Principal Investigator, 5% Effort, \$7,500 in Direct Costs

Mechanisms of Cytotrophoblast Differentiation, February 15, 1993 - June 30, 1994, **State of Ohio Research Challenge**, Principal Investigator, 5% Effort, \$25,000 in Direct Costs

Endogenous Retrovirus Expression and Trophoblast Function, June 15, 1990 -October 1, 1990, **Wright State University School of Medicine Biomedical Seed Grant**, Principal Investigator, 5% Effort, \$1,500 in Direct Costs

Thrombocytopenia in Pregnancy-Induced Hypertension, July 1, 1984 - June 30, 1985, **University of Utah Dean's Research Advisory Committee**, Co-Investigator with R. Jane Lau, M.D., \$15,000 in Direct Costs

Clinical Significance of Urinary Tumor Antigens, July 1, 1979 - June 30, 1980, **University of Utah Dean's Research Advisory Committee**, Principal Investigator, \$6,720 in Direct Costs

X. BIBLIOGRAPHY

X.A. PRESENTATIONS

X.A.1. INVITED LECTURES/SEMINARS

- 1975** Chemical Detoxification of Endotoxin, School of Medicine, University of Freiburg, Freiburg, Germany
- 1979** ELISA Testing, Symposium on Clinical Chemistry, Interwest Regional Medical Education Center, Salt Lake City, UT
- 1980** Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
- 1981** Group B Streptococcal Disease, Children's Hospital of Pennsylvania, University of Pennsylvania, Philadelphia, PA
Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
- 1982** Virulence Factors of Group B Streptococci, University of Minnesota School of Medicine, Minneapolis, MN
Autoimmune Diseases in Pregnancy, Annual Obstetrics and Gynecology Update, Postgraduate course sponsored by the Department of Obstetrics and Gynecology, University of Utah, Park City, UT
Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
ELISA Methodology, VA Hospital, Roanoke, VA
Reproductive Immunology, Department of Biology, University of Central Florida, Orlando, FL
- 1983** Circulating Immune Complexes and Pregnancy, Plenary Lecture, 4th Annual International Symposium of the Society for the Immunology of Reproduction, Park City, UT
Summer Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Jackson Hole, WY
Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
Immune Causes of Recurrent Pregnancy Loss, Annual Obstetrics and Gynecology Update, Postgraduate course sponsored by the Department of Obstetrics and Gynecology, University of Utah, Park City, UT
Annual Meeting of the Utah Society of Medical Technologists, Provided a 3 hour workshop in Clinical Immunology, Park City, UT
- 1984** Summer Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Jackson Hole, WY
Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
Infections in Pregnancy, Annual Obstetrics and Gynecology Update, Postgraduate course sponsored by the Department of Obstetrics and Gynecology, University of Utah, Park City, UT
Annual Meeting of the Utah Society of Medical Technologists, Provided a 3 hour workshop in Immunogenetics, Park City, UT
- 1985** Annual Update in Clinical Microbiology and Immunology, Provided several lectures at postgraduate course sponsored by the Department of Pathology, University of Utah, Park City, UT
- 1986** Lupus Anticoagulant and Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, Northwestern University School of Medicine, Chicago, IL
Antigenic Specificity of Lupus Anticoagulant, Department of Obstetrics and Gynecology, Mount Sinai Hospital Medical Center, Chicago, IL
Immunologic Causes of Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, Children's Hospital, University of California Medical Center, San Francisco, CA
Immunologic Mechanisms in Recurrent Pregnancy Loss: The Unanswered Questions, Mini Symposium: New Developments in the Immunology of Early Pregnancy Problems, Society for Gynecologic Investigation, Toronto, Canada
Annual Obstetrics and Gynecology Update, Provided several lectures at postgraduate course sponsored by the Department of Obstetrics and Gynecology, University of Utah, Park City, UT
- 1987** Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Foundation for Blood Research, Scarborough, ME
Annual Meeting of the Montana Society of Medical Technology, Provided a 3 hour workshop in Immunology, Billings, MT
Maine Biological and Medical Sciences Symposium, Provided lecture on Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Brunswick, ME
Reproductive Immunology, Department of Obstetrics and Gynecology, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China
Thrombocytopenia in Pregnancy, Department of Obstetrics and Gynecology, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China
Immunologic Causes of Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China

- Lupus Anticoagulant and Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China
- Serologic Specificity of Lupus Anticoagulant, Department of Obstetrics and Gynecology, Tri-Service General Hospital & National Defense Medical Center, Taipei, Taiwan, Republic of China
- Immunologic Causes of Recurrent Pregnancy Loss, Chinese Obstetrics and Gynecology Society, Taipei, Taiwan, Republic of China
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, University of Oregon Health Sciences Center, Portland, OR
- Advances in Pregnancy-Induced Hypertension, Grand Rounds, Eastern Maine Medical Center, Bangor, ME
- Antibodies Against Phospholipids and Their Role in Thrombosis and Recurrent Pregnancy Loss, Department of Biochemistry, University of Maine, Orono, ME
- Immunologic Causes of Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics & Gynecology, Maine Medical Center, Portland, ME
- Recurring Pregnancy Loss, The 1987 Natural History Lectures, Department of Biology, University of Southern Maine, Portland, ME
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Plenary Lecture, Montana Society of Medical Technology, Billings, MT
- 1988** Immune Basis of Thromboembolic Disease, Grand Rounds, Department of Medicine, Maine Medical Center, Portland, ME
- Immunologic Aspects of Pregnancy-Induced Hypertension, Grand Rounds, Department of Obstetrics and Gynecology, Maine Medical Center, Portland, ME
- Autoimmune Causes of Recurrent Pregnancy Loss, Jones Institute for Reproductive Medicine, Eastern Virginia Medical School, Norfolk, VA
- Immunologic Aspects of Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, Kennebec Valley Medical Center, Waterville, ME
- Charlotte Memorial Hospital Post-graduate Course on Infertility, Provided lecture on Auto/Alloimmune Causes of Habitual Abortion, Charlotte, NC
- Immunologic Causes of Recurrent Pregnancy Loss, IVF-Australia Program, United Hospital, Port Chester, NY
- Binding of Antiphospholipid Antibodies to Platelets Measured by Flow Cytometry, Maine Cytometry Research Institute, Portland, ME
- Is Lupus Anticoagulant Activity Due Only to Antibody Against Phosphatidylserine?, Department of Medicine, Thomas Jefferson Medical College, Philadelphia, PA
- Appropriate Approaches to Patients with Repeated Pregnancy Loss, Maine Diabetes in Pregnancy Program, Pemaquid, ME
- Antiphospholipid Antibody Syndrome: Diagnosis and Treatment, Clinical Ligand Assay Society, New England Chapter, Waltham, MA
- Recurrent Pregnancy Loss: Current Perspectives, at NAACOG Conference "Women's Health Care: Living Through the 80's," Portland, ME
- Autoimmunity to Phospholipids and the Effect on Reproduction, Plenary Lecture, Seventh International Symposium on Immunology of Reproduction, Varna, Bulgaria. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 16:52, 1988.
- Overview of Immunologically-mediated Recurrent Pregnancy Loss, Plenary Lecture, 8th Annual Symposium of the American Society for the Immunology of Reproduction, Portland, ME
- Transplacental Alteration of Fetal Coagulation: Antiphospholipid and Antiplatelet Antibodies, Plenary Lecture, XIX Annual Birth Defects Symposium: "Transplacental Disorders: Perinatal Detection, Treatment, and Management," Albany, NY
- 1989** Immunologic Causes of Recurrent Pregnancy Loss: Diagnosis and Treatment, Genetics Conference, Central Maine Medical Center, Lewiston, ME
- White Blood Cell Immunization for Recurrent Pregnancy Loss, an Update, Grand Rounds, Department of Obstetrics and Gynecology, Maine Medical Center, Portland, ME
- Antiphospholipid Antibodies, Pathology Conference, Cardinal Cushing Medical Center, Brockton, MA
- Immunologic Causes of Recurrent Pregnancy Loss, Nursing Conference, Kennebec Valley Medical Center, Augusta, ME
- Immunotherapy for Recurrent Pregnancy Loss: Laboratory and Research Considerations, Maine Cytometry Research Institute, Portland, ME
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Wright State University School of Medicine, Dayton, OH
- What's New in Recurrent Pregnancy Loss, Grand Rounds, Franklin Memorial Hospital, Farmington, ME
- Annual Meeting of the American Society of Clinical Pathologists, Provided a 3 hour workshop on Abortion, Stillbirth, and the Sick Newborn: Anatomic and Clinical Immunopathology, Chicago, IL
- Annual Joint Fall Seminar of the Maine/New Hampshire State Society of American Medical Technologists, Provided a workshop on Lupus Anticoagulant and Other Antiphospholipid Antibodies Associated with Poor Pregnancy Outcome, Portland, ME
- Annual Joint Fall Seminar of the Maine/New Hampshire State Society of American Medical Technologists, Co-provided a workshop on White Blood Cell Immunization for Recurrent Pregnancy Loss, Portland, ME
- What's New in Prenatal Risk Assessment, Tulsa Ob/Gyn Society, Tulsa, OK
- Immunologic Causes of Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, University of Oklahoma, Tulsa, School of Medicine, Tulsa, OK
- Biological Activities of Antiphospholipid Antibodies, Shanghai Institute of Biochemistry, Academia Sinica, Shanghai, People's Republic of China
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Cancer Institute, Chinese Academy of Medical Sciences, Beijing, People's Republic of China
- Antiphospholipid Antibodies: Thrombosis and Pregnancy Loss, Department of Medical Microbiology, School of Medicine, University of Malaya, Kuala Lumpur, Malaysia
- Antiphospholipid Antibodies, Thrombosis, and Platelet Activation, Department of Microbiology and Immunology, Chicago Medical School, Chicago, IL
- Immunologic Causes of Recurrent Pregnancy Loss, Plenary Lecture, Regional Meeting of the American Society for Histocompatibility and Immunogenetics, Wakefield, MA
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Symposium on Clinical Immune Management of Pregnancy Loss and Infertility, 4th International Congress of Reproductive Immunology, Kiel, West Germany
- Antiphospholipid Antibodies: the Unanswered Questions, Plenary Lecture, 9th Annual Meeting of the American Society for the Immunology of Reproduction, Portland, ME
- 1990** Recurrent Pregnancy Loss: Immunologic Causes, Grand Rounds, Department of Obstetrics and Gynecology, Miami Valley Hospital, Wright State University School of Medicine, Dayton, OH
- Antiphospholipid Antibodies and Disorders of Pregnancy, Muncie Academy of Medicine, Muncie, IN
- Antiphospholipid Antibodies: Detection and Significance, Grand Rounds, Ball Memorial Hospital, Muncie, IN

- Baystate Medical Center Postgraduate Course on Reproductive Loss, Provided lectures on Autoimmune Causes of Reproductive Loss and Laboratory Tests for Alloimmune Causes of Reproductive Loss, Springfield, MA
- 10th Annual Meeting of the American Society for the Immunology of Reproduction, "Antiphospholipid Antibody Testing" within Workshop on: Phospholipid Syndrome: Unification of Antibody Testing, Chicago, IL
- Wright State University Department of Obstetrics and Gynecology Post-graduate Course on Emergencies and Acute Care Management in Obstetrics and Gynecology, Provided lecture on Miscarriage, Dayton, OH
- Antiphospholipid Antibodies: Red Herring or Lobster?, Department of Medical Microbiology, School of Medicine, Ohio State University, Columbus, OH
- Autoimmune Causes of Recurrent Pregnancy Loss, Department of Obstetrics and Gynecology, School of Medicine, Ohio State University, Columbus, OH
- 1991** Antiphospholipid Antibodies and Recurrent Thromboembolic Disease, Department of Microbiology and Immunology, Northeastern Ohio Universities College of Medicine, Rootsville, OH
- Antiphospholipid Antibodies and Lupus, Department of Dermatology Grand Rounds, Wright State University School of Medicine, Dayton, OH
- Autoimmune Diseases and Pregnancy, Grand Rounds, Department of Obstetrics and Gynecology, Miami Valley Hospital, Wright State University School of Medicine, Dayton, OH
- Congenital Immune Deficiency Diseases, Grand Rounds, Department of Pediatrics, Children's Hospital, Dayton, OH
- Evaluation of Immune Deficiencies, Grand Rounds, Department of Pediatrics, Children's Hospital, Dayton, OH
- Antiphospholipid Antibody Reactivity Against Human Placental Trophoblasts, National Heart, Lung, and Blood Institute/Institute of Child Health and Human Development sponsored Workshop on Antiphospholipid Antibodies, Bethesda, MD
- 1992** Antiphospholipid Antibodies and Thrombosis, Resident Lectures, Department of Medicine, Miami Valley Hospital, Dayton, OH
- Antibodies Against Negatively Charged Membrane Phospholipids and the Diseases They Cause, Department of Biology, Wright State University, Dayton, OH
- Antiphospholipid Antibodies, Retroviruses, and Pregnancy: Something for Everyone, Texas A&M University School of Medicine, College Station, TX
- Antiphospholipid Antibodies and Pregnancy Loss, Departments of Microbiology and Biochemistry, Brigham Young University, Provo, UT
- Immunology for the Family Practice Physician, Grand Rounds, Department of Family Practice, Miami Valley Hospital, Dayton, OH
- Immunologic Disorders, Grand Rounds, Department of Family Practice, Miami Valley Hospital, Dayton, OH
- Autoimmune Causes of High Risk Pregnancies, Grand Rounds, Department of Obstetrics and Gynecology, Miami Valley Hospital, Dayton, OH
- Antiphospholipid Antibodies: An Update, Foundation for Blood Research, Scarborough, ME
- Antiphospholipid Antibodies and Placental Development, Department of Microbiology and Immunology, Chicago Medical School, Chicago, IL
- Antiphospholipid Antibodies and Pregnancy Loss: New Theories of Mechanism, Grand Rounds, Department of Obstetrics and Gynecology, University of Cincinnati School of Medicine, Cincinnati, OH
- Antiphospholipid Antibodies and Disorders of Pregnancy, Grand Rounds, Department of Obstetrics and Gynecology, University of Tennessee Medical Center, Knoxville, TN
- Placental Endogenous Retrovirus Expression, Research Conference, Department of Obstetrics and Gynecology, University of Tennessee Medical Center, Knoxville, TN
- Expression of Phosphatidylserine Epitopes During Trophoblast Membrane Fusion: An Alternative Hypothesis for Antiphospholipid Antibody Associated Pregnancy Disorders, Plenary Lecture, Clinical Reproductive Immunology Session, 5th International Congress of Reproductive Immunology, Rome, Italy
- AIDS Symposium, Presented talks on "The Biology of AIDS" and "AIDS: The Worldwide Epidemic," Antioch College, Yellow Springs, OH
- 1993** Antiphospholipid Antibodies, Thrombosis, and Disorders of Pregnancy, Department of Microbiology and Immunology, State University of New York - Syracuse College of Medicine, Syracuse, NY
- Antiphospholipid Antibodies and Disorders of Pregnancy, Department of Microbiology and Immunology, University of South Dakota School of Medicine, Vermillion, SD
- Antiphospholipid Antibodies and Placental Development, Sero Symposium on Immunobiology of Reproduction, Boston, MA
- Differentiation-related Expression of Placental Endogenous Retroviral Proteins, Foundation for Blood Research, Scarborough, ME
- Expression of IL-1 β and IL-6 Protein and mRNA in Amniochorionic Membrane, Immunology Workshop: Antigen, Cytokine, and Cytokine Receptor Expression in the Placenta, 5th Meeting of the European Placental Group, Manchester, England
- Microbial Infection and Premature Rupture of Fetal Membranes, Workshop on the Structure and Function of Fetal Membranes, 5th Meeting of the European Placental Group, Manchester, England
- Second Antioch AIDS Symposium, Presented talks on "The Biology of AIDS" and "AIDS: The Worldwide Epidemic," Antioch College, Yellow Springs, OH
- Risk Factors for Abnormal Clotting in SLE, Lupus/Sjogren's Support Group, Dayton, OH
- 1994** Antiphospholipid Antibodies and Placental Development, Symposium on the Human Placenta, Meeting of the Society for Gynecologic Investigation, Chicago, IL
- Antibodies Against Phosphatidylserine and Disorders of Human Pregnancy, Department of Biochemistry and Molecular Biology, Wright State University School of Medicine, Dayton, OH
- Pathophysiology of AIDS: Implications for Treatment, Basic Science in Clinical Medicine Series, Department of Medicine, Wright State University School of Medicine, Dayton, OH
- Antiphospholipid Antibodies and Disorders of Pregnancy, Grand Rounds, Department of Medicine, MetroHealth Medical Center/Case Western Reserve University School of Medicine, Cleveland, OH
- Autoimmune Disorders of Human Pregnancy, Department of Microbiology, Medical College of Ohio, Toledo, OH
- What is an Autoimmune Disease?, Living with Lupus/Sjogren's: 1994 Lupus/Sjogren's Symposium, co-sponsored by The Lupus/Sjogren's Support Group of Miami Valley and Wright State University, Dayton, OH
- Lupus, Pregnancy, and the Child Bearing Years; Living with Lupus/Sjogren's: 1994 Lupus/Sjogren's Symposium, co-sponsored by The Lupus/Sjogren's Support Group of Miami Valley and Wright State University, Dayton, OH
- Antiphospholipid Antibodies and Disorders of Human Placental Development, Department of Immunology, Allergy, and Infectious Disease, University of New South Wales, Kogarah, New South Wales, Australia
- 1995** Evaluation of the Patient Who Presents with Multiple Complaints: The Immunology of Scleroderma, Grand Rounds, Department of Family Medicine, Wright State University School of Medicine, Dayton, OH

- The Antiphospholipid Antibody Syndrome: A Disease of Pregnancy, Grand Rounds, Department of Obstetrics and Gynecology, University of Tennessee Medical Center, Knoxville, TN
- Trophoblast Function and Endogenous Retrovirus Expression, Research Conference, Department of Obstetrics and Gynecology, University of Tennessee Medical Center, Knoxville, TN
- The Use of Animals in Biomedical Research, WHIO Radio, Dayton, OH
- Animal Rights, Human Rights, and Medical Research, Debate on Animal Rights versus Animal Welfare, Wright State University, Dayton, OH
- The Antiphospholipid Antibody Syndrome, Grand Rounds, Department of Medicine, VA Medical Center, Dayton, OH
- Intrauterine Fetal Growth Retardation: A Model of Clinical/Basic Science Research Interaction, Central Research Forum, Wright State University School of Medicine, Dayton, OH
- Basic/Clinical Integration in an Immunology Program, Discussion Group on Experiences in Implementing Course-Based Integration, Second Biennial Conference of the Basic Science Education Forum: Strategies for Integrating Clinical and Basic Sciences, Lincolnshire, IL
- Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Session on Markers That Predict Response to Immunotherapy for Recurrent Spontaneous Abortion, Sixth International Congress of Reproductive Immunology, Washington, DC
- Retrovirus Production in Normal Human Placentas, Grand Rounds, Department of Obstetrics and Gynecology, Wright State University School of Medicine, Dayton, OH
- Teaching Immunology to Future Primary Care Physicians, Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY
- Antiphospholipid Antibodies and Diseases of Pregnancy, Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY
- Immunology Primer, Arthritis Symposium: Hot Stuff for Hot Joints, Kettering Medical Center, Dayton, OH
- 1996 Bacterial Toxins and Endotoxins, Grand Rounds, Department of Family Medicine, Wright State University School of Medicine, Dayton, OH
- "It Was the Best of Times, It Was the Worst of Times", Invited Keynote Speaker, Alpha Omega Alpha Annual Invitation Dinner, Wright State University School of Medicine, Dayton, OH
- Immunology and Disorders of Pregnancy, Science Seminar Series, Antioch College, Yellow Springs, OH
- Phosphatidylserine Expression and Trophoblast Development, Faculty/Student luncheon, 16th Annual Symposium of the American Society for Reproductive Immunology, Knoxville, TN
- Antiphospholipid Antibody Syndrome, Family Medicine Grand Rounds, Wright State University School of Medicine, Dayton, OH
- Phosphatidylserine Expression and Trophoblast Differentiation, Session on Antiphospholipid Antibodies and Pregnancy, Seventh International Symposium on Antiphospholipid Antibodies, New Orleans, LA.
- Expression of Endogenous Retroviral Components in a Choriocarcinoma Model of Differentiating Placental Trophoblast, 4th Human Endogenous Retrovirus European Community-Planning Meeting, Uppsala, Sweden
- Antiphospholipid Antibodies and Trophoblast Function, Department of Immunology, Göteborg University School of Medicine, Göteborg, Sweden
- 1997 Autoimmune Disorders of Human Pregnancy, Institute of Primate Research, National Museums of Kenya, Nairobi, Kenya
- Antiphospholipid Antibodies and Disorders of Pregnancy, Institute of Primate Research, National Museums of Kenya, Nairobi, Kenya
- Teaching of Immunology and Microbiology and Relevance to Primary Care Physicians, Department of Obstetrics and Gynecology, University of Nairobi, Nairobi, Kenya
- Diagnosis and Treatment of Recurrent Miscarriage in Humans, Department of Obstetrics and Gynecology, University of Nairobi, Nairobi, Kenya
- Management of Recurrent Pregnancy Loss, Family Medicine Grand Rounds, Wright State University School of Medicine, Dayton, OH
- Role of Placental Trophoblast in the Pathophysiology of the Antiphospholipid Antibody Syndrome, Seventeenth Annual Symposium of the American Society for Reproductive Immunology, Vancouver, BC, Canada. **Abstract published** in *American Journal of Reproductive Immunology*, 37:342, 1997.
- Educating Our Physicians to Understand Lupus and Their Patients, Lupus/Sjogren's Support Group of Miami Valley, Dayton, OH
- Antiphospholipid Antibodies and Preterm Birth, NIH International Symposium on Preterm Birth: Etiology, Mechanisms, and Prevention, Charleston, SC
- Antiphospholipid Antibodies and Disorders of Human Pregnancy, Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY
- The Role of Endogenous Retrovirus Expression in Placental Development, Department of Microbiology and Immunology, University of Louisville School of Medicine, Louisville, KY
- 1998 Antiphospholipid Antibodies and Their Effects on Trophoblast Function, Reproductive Immunology Symposium, American Association of Immunologists, San Francisco, CA
- Antiphospholipid Antibodies and Other Autoimmune Diseases in Pregnancy, Department of Obstetrics and Gynecology, Wright State University School of Medicine, Dayton, OH
- Immunologic Aspects of Recurrent Pregnancy Loss, Medical Student Research Conference, Wright State University School of Medicine, Dayton, OH
- The Effects of Antibody Against Phosphatidylserine on the Differentiation of Placental Trophoblast, Department of Biochemistry and Molecular Biology, Wright State University School of Medicine, Dayton, OH
- Role of Human Endogenous Retrovirus ERV-3 Envelope Gene in Human Placental BeWo Cell Proliferation and Differentiation, Workshop on Oncogenes and Cell Cycle, 4th Conference of the International Federation of Placental Associations, Tokyo, Japan
- Human Placental Endogenous Retroviruses: A Mechanism of Trophoblast Differentiation and Placental Development?, Grand Rounds, Department of Obstetrics and Gynecology, Wright State University School of Medicine, Dayton, OH
- 1999 Antiphospholipid Antibody Syndrome: A Disease of Pregnancy, Women's Health Seminar Series, Department of Obstetrics and Gynecology, Ohio State University School of Medicine, Columbus, OH
- Placental Trophoblast: A Primary Target for Antiphospholipid Antibodies?, 2nd International Congress on Autoimmunity, Tel Aviv, Israel
- Role of the Placental Trophoblast in the Pathophysiology of the Antiphospholipid Antibody Syndrome, Session on Immunology, Autoimmunity, and Reproduction, 12th Annual Meeting of Association of Medical Laboratory Immunologists, Bethesda, MD
- The Phosphatidylserine Flip/Flop and Trophoblast Differentiation, Session on Trophoblast Apoptosis and Placental Development, 8th Meeting of the European Placenta Group, Schlading, Austria
- Cell Biology of Trophoblast Differentiation, Department of Microbiology and Immunology, Wright State School of Medicine, Dayton, OH

- 2000** Cell Biology of Trophoblast Differentiation, Department of Obstetrics and Gynecology, University of Nebraska Medical Center, Omaha, NE
Trophoblast Differentiation, Department of Obstetrics and Gynecology, Wright State University School of Medicine, Dayton, OH
The Antiphospholipid Antibody Syndrome and Pregnancy Loss, Department of Microbiology and Immunology, New York Medical College, Valhalla, NY
Regulation of Phosphatidylserine Distribution During Differentiation and Apoptosis, Session on Trophoblast Apoptosis, Rochester Trophoblast Meeting, Rochester, NY
Pregnancy really is caused by a virus: the role of endogenous retroviruses in human placental development, Department of Cell Biology, University of Georgia, Athens, GA
Pregnancy really is caused by a virus: the role of endogenous retroviruses in human placental development, Department of Obstetrics and Gynecology, MetroHealth Medical Center, Case Western University School of Medicine, Cleveland, OH
- 2001** Endogenous Retrovirus Expression and Trophoblast Differentiation, Meeting of the American Society for Reproductive Immunology, Chicago, IL
Endogenous Retrovirus 3 (ERV-3) Expression and Trophoblast Differentiation, Society for Gynecologic Investigation - Satellite Meeting of the Placenta Association of the Americas, Toronto, Canada
Expression of Endogenous Retrovirus-3 (ERV-3) *env* Drives Human Villous Trophoblast Differentiation, Workshop on Genetic Determinants of Fetal Growth, European Placenta Group/International Federation of Placental Associations, Sorrento, Italy
Immunologic Causes of Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, MetroHealth Medical Center, Cleveland, OH
Antiphospholipid Antibodies and Disorders of Human Pregnancy, Immunology Seminar Series, Department of Pathology, Case Western Reserve University School of Medicine, Cleveland, OH
Autoimmune Causes of Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, University Hospital, Cleveland, OH
- 2002** When Pregnancy Fails: The Story of Recurrent Pregnancy Loss, "Taste of Rammelkamp" brown bag lunch lecture series, MetroHealth Hospital, Cleveland, OH
Antiphospholipid Antibodies and Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, University of California, San Diego, School of Medicine, San Diego, CA
Autoimmune Preeclampsia, Grand Rounds, Department of Obstetrics and Gynecology, MetroHealth Medical Center/Case Western Reserve University, Cleveland, OH
Human Placental Trophoblast Differentiation: Pregnancy May Really Be Caused By a Virus!, Research Seminar, Rammelkamp Center for Education and Research, MetroHealth Medical Center, Cleveland, OH
Human Placental Trophoblast Differentiation, Department of Cell Biology, The Cleveland Clinic Foundation, Cleveland, OH
Antiphospholipid Antibodies and Preeclampsia, Maternal-Fetal Society of Northern Ohio, Cleveland, OH
- 2003** Monoclonal Antiphospholipid and Anti-annexin A5 Antibodies Prevent Intercellular Fusion in a Model of Human Villous Cytotrophoblast. Workshop on the Antiphospholipid Syndrome, 37th Annual Meeting of the European Society for Clinical Investigation, Verona, Italy.
Distinct Mechanisms of Phosphatidylserine Externalization in Human Trophoblast Differentiation and Apoptosis. Workshop on the Antiphospholipid Syndrome, 37th Annual Meeting of the European Society for Clinical Investigation, Verona, Italy.
Human Placental Trophoblast Differentiation: Pregnancy May Really Be Caused by a Virus!. Department of Biological, Geological, and Environmental Sciences, Cleveland State University, Cleveland, OH
- 2004** The Antiphospholipid Syndrome, Clinical Seminar, Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH.
The Antiphospholipid Syndrome and Complications of Pregnancy, Division of Neonatology, Rainbow Babies and Children's Hospital, University Hospitals of Cleveland, Cleveland, OH
Immunology of Recurrent Pregnancy Loss, Symposium on Chronic Inflammation in the Placenta: Immunoregulation, Host Defense and Pathologic Immune Responses, 7th Annual Perinatal Section Symposium of the Society of Pediatric Pathology, Little Rock, AK
- 2005** Endogenous Retroviruses and Human Placental Development, Reproductive Biology Forum, Texas A&M, College Station, TX
Which Antiphospholipid Antibodies are Relevant to Pregnancy Complications?, Repronex, Inc., Woburn, MA
Endogenous Retroviruses Drive Villous Cytotrophoblast Differentiation, Minisymposium on Endogenous Retroviruses and Reproduction, 38th Annual Meeting of the Society for the Study of Reproduction, Quebec City, Canada
Trophoblast Differentiation and Intercellular Fusion, Workshop 10: Trophoblast differentiation: stem cells, progenitor cells, fusion, and migration. 11th Meeting of the European Placenta Group and the International Federation of Placental Associations, Glasgow, Scotland.
Recurrent Pregnancy Loss, Annual Meeting of Resolve of Ohio, Columbus, OH.
- 2006** Pregnancy Loss and the Placenta, Grand Rounds, Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH.
Evaluation and Treatment of Recurrent Pregnancy Loss, Grand Rounds, Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH.
- 2007** Lupus and Pregnancy, Grand Rounds, Department of Obstetrics and Gynecology, University Hospitals, Cleveland, OH

X.A.2. PRESENTATIONS AT SCIENTIFIC MEETINGS

- Grohsman J, Abdelnoor A, Thompson J, **Rote NS**, Nowotny A. Immunizations against the A strain mouse mammary-adenocarcinoma TA3. Poster Presentation, American Society for Microbiology, 1972.
- Nowotny A, Grohsman J, Abdelnoor A, **Rote NS**, Yang C. Tumor growth enhancing factor in the ascites fluid of TA3 tumor-bearing mice. Proceedings, European Immunology Society Meeting, Strasbourg, France, 1973.
- Yang-Ko C, Grohsman J, **Rote NS**, Nowotny A. Non-specific resistance induced in allogenic mice to the transplantable TA3-Ha tumor by endotoxin and its derivatives. Poster Presentation, International Conference on Chemotherapy, Athens, Greece, 1973.
- Rote NS**, Nowotny A. Chemical detoxification of endotoxic lipopolysaccharide. Poster Presentation, Rocky Mountain Immunology Meeting, Pingree Park, CO, 1978.
- Rote NS**, Gupta R, Morton DL. Detection of tumor-associated antigens in the urine of cancer patients. Oral Presentation, American Association for Cancer Research, Washington, DC, 1978.
- Rote NS**, Smith WG, Johnson GH. Detection of tumor-associated antigens in the urine of gynecologic cancer patients. Poster Presentation, Society for Gynecologic Investigation, San Diego, CA, 1979.

7. **Rote NS**, Taylor NL, Shigeoka AO, Scott JR, Hill HR. Enzyme-linked immunosorbent assay (ELISA) for type-specific group B streptococcal antibodies. Poster Presentation, Federation Meetings, Dallas, TX, 1979. **Abstract published** in *Federation Proceedings*, 38:1078, 1979.
8. **Rote NS**, Smith WG, Johnson GH. Detection of tumor-associated antigens in the urine of gynecologic cancer patients. Poster Presentation, Western Association of Gynecologic Oncologists, San Francisco, CA, 1979.
9. Kochenour N, Robbins B, **Rote NS**. Factors correlated with bacterial growth potential of amniotic fluid. Poster Presentation, Society for Gynecologic Investigation, Denver, CO, 1980.
10. Chamberlain E, Scott JR, **Rote NS**, LaBerge J. Prednisone inhibition of an antibody response analogous to anti-D. Poster Presentation, Society for Gynecologic Investigation, Denver, CO, 1980.
11. **Rote NS**, Bloomer LC, Dickson DE, Bray PF. Complement fixing antibodies against herpes viruses in the sera and cerebrospinal fluids of multiple sclerosis patients. Poster Presentation, Society for Gynecologic Investigation, Denver, CO, 1980.
12. **Rote NS**, Taylor NL, Shigeoka AO, Scott JR, Hill HR. Comparison of enzyme-linked immunosorbent assay (ELISA), chemiluminescence, and complement fixation techniques for detecting type-specific group B streptococcal antibodies. Poster Presentation, Society for Gynecologic Investigation, Denver, CO, 1980.
13. **Rote NS**, Bloomer LC, Bray PF. Complement fixing anti-viral antibodies synthesized in the cerebrospinal fluids of multiple sclerosis patients. Oral Presentation, ASM Conference on Diagnostic Immunology, Clearwater, FL, 1980.
14. Santos JI, Shigeoka AO, **Rote NS**, Schwartz R, Hill HR. Immune serum globulin versus a modified preparation in the treatment of experimental type III group B streptococcal infection. Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, 1980.
15. **Rote NS**, Chamberlain E, Hill HR, Scott J. Antiplatelet antibodies detected by an enzyme immunoassay. Poster Presentation, Society for Gynecologic Investigation, St. Louis, MO, 1981.
16. Scott JR, Anstall HB, **Rote NS**, Kochenour NK. Effect of plasma exchange and immunosuppression on anti-D antibody titers in Rh immunized women. Poster Presentation, Society for Gynecologic Investigation, St. Louis, MO, 1981.
17. **Rote NS**, Larkin R, Boorman D, Hill HR. Placental transfer of antibody against group B streptococcal capsular polysaccharides. Poster Presentation, Society for Gynecologic Investigation, St. Louis, MO, 1981.
18. Kochenour NK, **Rote NS**, Crandall M. Antibacterial properties of amniotic fluid. Poster Presentation, Society for Pediatric Research, San Francisco, CA, 1981.
19. Hall RT, Shigeoka AO, Kurth G, **Rote NS**, Hill HR. Effect of blood transfusion of group B streptococcal antibody levels. Society for Pediatric Research, San Francisco, CA, 1981.
20. **Rote NS**, Chamberlain E, Hill HR, Scott JR. Enzyme-linked immunosorbent assay (ELISA) for antiplatelet antibodies in immunologic thrombocytopenic purpura. Poster Presentation, American Society for Microbiology, Dallas, TX, 1981.
21. **Rote NS**, Scott JR, Chamberlain E. Significance of antiplatelet antibodies detected by an enzyme immunoassay in pregnant patients with immunologic thrombocytopenic purpura. Poster Presentation, International Conference on Reproductive Immunology, Banff, Alberta, Canada, 1981. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:S10, 1981.
22. Scott JR, Anstall HB, **Rote NS**, Kochenour NK, Beeson JH. Effect of plasma exchange and immunosuppression on anti-D antibody titers in Rh immunized women. Oral Presentation, International S.B. Gusberg Symposium on Reproductive Immunology, New York, NY, 1981.
23. Kochenour NK, **Rote NS**, Thurnau GR. Nephelometric measurements of maternal serum C-reactive protein (CRP) as an indicator of amnionitis associated with premature rupture of membranes (PROM). Society for Gynecologic Investigation, Dallas, TX, 1982.
24. Caudle MR, **Rote NS**, Nielson VD, Scott JR. The effect of oral administration of antigen on systemic erythrocyte isoimmunization. Poster Presentation, Society for Gynecologic Investigation, Dallas, TX, 1982.
25. Caudle MR, **Rote NS**, Scott JR. Recurrent abortion and the incidence of shared HLA antigens. Oral Presentation, Society for Gynecologic Investigation, Dallas, TX, 1982.
26. **Rote NS**, Caudle MR. An enzyme immunoassay (ELISA) for the detection of circulating immune complexes. Poster Presentation, Society for Gynecologic Investigation, Dallas, TX, 1982.
27. **Rote NS**, Shigeoka AO, Santos JI, Hill HR. Virulence factors of group B streptococci. Society for Gynecologic Investigation, Dallas, TX, 1982.
28. **Rote NS**, Shigeoka AO, Kaplan SR, Hill HR. Fimbriae on type II and type III group B streptococci: association with virulence. Society for Pediatric Research, Washington, DC, 1982.
29. Shigeoka AO, Pincus SH, **Rote NS**, Hill HR. Hybridoma type-specific IgM antibody offers enhanced protection against systemic or respiratory group B streptococcal experimental infection. Oral Presentation, Society for Pediatric Research, Washington, DC, 1982.
30. **Rote NS**, Nielsen KG, Scott JR. Prediction of transient neonatal immunologic thrombocytopenic purpura. Oral Presentation, American Society for the Immunology of Reproduction, Winston-Salem, NC, 1982. **Abstract published** in *American Journal of Reproductive Immunology*, 2:176, 1982.
31. **Rote NS**, Caudle MR. Detection of immune complexes in pregnancy and preeclampsia using an enzyme immunoassay modification of the RAJI cell technique. Oral Presentation, American Society for the Immunology of Reproduction, Winston-Salem, NC, 1982. **Abstract published** in *American Journal of Reproductive Immunology*, 2:179, 1982.
32. Scott JR, **Rote NS**, Cruikshank DP. Antiplatelet antibodies and platelet counts in pregnancies complicated by autoimmune thrombocytopenic purpura. Oral Presentation, American Gynecological and Obstetrical Society, Hot Springs, VA, 1982.
33. **Rote NS**, Kaplan SR, Shigeoka AO, Pincus SH, Hill HR. Fimbrial-like structures of type II and III group B streptococci: localization of group and type specific antigens. Oral Presentation, Meeting of the Lancefield Society, Miami, FL, 1982.
34. Hill HR, Boline HA, Hogan N, **Rote NS**, Schwartz RS. Fibronectin deficiency: a correctable defect in the neonates host defense mechanism. Western Society for Pediatric Research, Carmel, CA, 1983.
35. Hill HR, Boline JA, Hogan N, **Rote NS**, Schwartz RS. Fibronectin deficiency: a correctable defect in the neonates host defense mechanism. Society for Pediatric Research, Washington, DC, 1983.
36. Thurnau GR, **Rote NS**, Scott JR. Immunologic identification of the gravida destined to develop pregnancy-induced hypertension (PIH). Poster Presentation, Society for Gynecologic Investigation, Washington, DC, 1983.
37. Urry RL, **Rote NS**. The effects of descending sperm separation in bovine protein columns on human sperm mobility, morphology and concentration. Poster Presentation, Society for Gynecologic Investigation, Washington, DC, 1983.
38. **Rote NS**, Kaplan SR, Shigeoka AO, Pincus SH, Hill HR. Localization of group and type-specific antigen on the surface of fimbriated and nonfimbriated group B streptococci. Society for Gynecologic Investigation, Washington, DC, 1983.
39. **Rote NS**, Scott JR. Thrombocytopenia and antiplatelet antibodies in preeclampsia. Oral Presentation, Society for Gynecologic Investigation, Washington, DC, 1983.
40. **Rote NS**, Caudle MR, Urry RL, Scott JR. The autoimmune nature of anti-zona pellucida antibody in infertility and chronic abortion. Oral Presentation, American Society for the Immunology of Reproduction, Park City, UT, 1983. **Abstract published** in *American Journal of Reproductive Immunology*, 3:195, 1983.

41. Thurnau GR, **Rote NS**, Scott JR. Lymphocyte reactivity in patients destined to develop pregnancy-induced hypertension. American society for the Immunology of Reproduction, Park City, UT, 1983. **Abstract published** in *American Journal of Reproductive Immunology*, 3:198, 1983.
42. **Rote NS**, Scott JR. Mechanisms of fetal thrombocytopenia associated with maternal autoimmune thrombocytopenic purpura (ATP) and pregnancy induced hypertension (PIH). Oral Presentation, American Society for the Immunology of Reproduction, Park City, UT, 1983. **Abstract published** in *American Journal of Reproductive Immunology*, 3:196, 1983.
43. **Rote NS**, Hill HR. Localization of antigens of the group B streptococcus which are responsible for inducing protective antibody. Oral Presentation, American Society for the Immunology of Reproduction, Park City, UT, 1983. **Abstract published** in *American Journal of Reproductive Immunology*, 3:196, 1983.
44. Shigeoka AO, Pritchard DG, Pincus SH, **Rote NS**, Gray BM, Hill HR. Protective efficacy of IgM, IgG and IgA monoclonal antibodies against experimental systemic or respiratory group B streptococcal (GBSE) infection. Interscience Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, NV, 1983.
45. Keye WR, Trunnell E, **Rote NS**. Analysis of immune function in patients with premenstrual syndrome (PMS). International Symposium on Premenstrual Tension and Dysmenorrhea, Charleston, SC, 1983.
46. **Rote NS**, Caudle MR, Roth SL, Urry RL, Scott JR. The autoimmune nature of anti-zona pellucida antibody in infertility and chronic abortion. Oral Presentation, International Congress of Reproductive Immunology, Kyoto, Japan, 1983. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:52, 1983.
47. **Rote NS**, Scott JR. Mechanisms of fetal thrombocytopenia associated with maternal autoimmune thrombocytopenic purpura (ATP) and pregnancy induced hypertension (PIH). Oral Presentation, International Congress of Reproductive Immunology, Kyoto, Japan, 1983. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:93, 1983.
48. **Rote NS**, Hill HR. Localization of antigens of the group B streptococcus which are responsible for inducing protective antibody. International Congress of Reproductive Immunology, Kyoto, Japan, 1983. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:77, 1983.
48. Hill HR, Boline J, Augustine N, **Rote NS**, Schwartz RS. Fibronectin deficiency: a correctable defect in the neonates host defense mechanism. Lancefield Society, Las Vegas, NV, 1983.
50. Roth SL, **Rote NS**, Urry RL, Scott JR. Anti-zona pellucida antibodies in the serum and follicular fluid of infertility patients undergoing in vitro fertilization. Oral Presentation, Society for Gynecologic Investigation, San Francisco, CA, 1984.
51. **Rote NS**, Branch DW, Shigeoka AO, Hill HR. Serologic specificity of vaccine induced antibody against serotype III group B streptococci. Society for Gynecologic Investigation, San Francisco, CA, 1984.
52. **Rote NS**, Lau RJ, Harrison M, Scott JR. Immunologic mechanisms of maternal and fetal thrombocytopenia in pregnancy-induced hypertension (PIH). Oral Presentation, Society for Gynecologic Investigation, San Francisco, CA, 1984.
53. Roth SL, **Rote NS**, Urry RL, Scott JR. Anti-zona pellucida antibodies in the serum and follicular fluid of infertility patients undergoing in vitro fertilization. Oral Presentation, American Society for the Immunology of Reproduction, Durham NC, 1984. **Abstract published** in *American Journal of Reproductive Immunology*, 5:95, 1984.
54. **Rote NS**, Lau RJ, Harrison M, Branch DW, Scott JR. Immunologic mechanisms of maternal and fetal thrombocytopenia in pregnancy induced hypertension (PIH). Oral Presentation, American Society for the Immunology of Reproduction, Durham, NC, 1984. **Abstract published** in *American Journal of Reproductive Immunology*, 5:95, 1984.
55. Branch DW, Kochenour NK, Hershgold EJ, **Rote NS**, Scott JR. The lupus anticoagulant-a recently discovered and treatable cause of recurrent abortion and fetal death. Oral Presentation, American Society for the Immunology of Reproduction, Durham, NC, 1984. **Abstract published** in *American Journal of Reproductive Immunology*, 5:100, 1984.
56. **Rote NS**, Lau RJ, Harrison M, Worley RJ, Scott JR. Immunologic mechanisms of maternal and fetal thrombocytopenia in pregnancy induced hypertension (PIH). Poster Presentation, International Society for the Study of Hypertension in Pregnancy, Amsterdam, The Netherlands, 1984.
57. Trunnell E, **Rote NS**, Keye WR. Influence of menstrual cycle phase on psychometric testing in women with premenstrual syndrome (PMS). Poster Presentation, Society for Gynecologic Investigation, Phoenix, AZ, 1985.
58. Trunnell E, **Rote NS**, Keye WR. The influence of menstrual cycle phase on cell-mediated immunity (CMI) in women with premenstrual syndrome. Poster Presentation, Society for Gynecologic Investigation, Phoenix, AZ, 1985.
59. Branch DW, **Rote NS**, Tu FC, Scott J. Demonstration of lupus anticoagulant phospholipid antigens using a new enzyme-linked immunoabsorbant assay. Oral Presentation, Society for Gynecologic Investigation, Phoenix, AZ, 1985.
60. **Rote NS**, Harrison MR, Lau RJ, Scott JR. The specificity of circulating antiplatelet antibodies in pregnant patients with thrombocytopenia associated with autoimmune thrombocytopenia (ATP) or pregnancy-induced hypertension (PIH). Oral Presentation, Society for Gynecologic Investigation, Phoenix, AZ, 1985.
61. Branch DW, **Rote NS**, Tu FC, Dostal D, Scott J. Demonstration of lupus anticoagulant phospholipid antigens using a new enzyme-linked immunoabsorbant assay. Oral Presentation, American Society for the Immunology of Reproduction, Ann Arbor, MI, 1985. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 7:136, 1985.
62. **Rote NS**, Harrison MR, Lau RJ, Scott JR. The specificity of circulating antiplatelet antibodies in pregnant patients with thrombocytopenia associated with autoimmune thrombocytopenia (ATP) or pregnancy-induced hypertension (PIH). Oral Presentation, American Society for the Immunology of Reproduction, Ann Arbor, MI, 1985. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 7:135, 1985.
63. Branch DW, **Rote NS**, Dostal D, Scott JR. Demonstration of lupus anticoagulant phospholipid antigens using a new enzyme-linked immunoabsorbant assay. Poster Presentation, New York Academy of Sciences Conference on "Autoimmunity: Experimental and Clinical Aspects," New York, NY 1985.
64. **Rote NS**, Harrison MR, Lau RJ, Scott JR. The specificity of circulating antiplatelet antibodies in pregnant patients with thrombocytopenia associated with autoimmune thrombocytopenia (ATP) or pregnancy-induced hypertension (PIH). Poster Presentation, New York Academy of Science Conference on "Autoimmunity: Experimental and Clinical Aspects", New York, NY, 1985.
65. Kochenour NK, Branch DW, **Rote NS**, Scott JR. A new postpartum syndrome associated with antiphospholipid antibodies. Proceedings, Society for Gynecologic Investigation, Toronto, Canada, 1986.
66. Branch DW, **Rote NS**, Dostal D, Scott JR. Lupus anticoagulant: an antibody with phosphatidylserine specificity which binds to endothelial cells. Oral Presentation, Society for Gynecologic Investigation, Toronto, Canada, 1986.
67. **Rote NS**, Lau RJ, Scott JR. Neonatal thrombocytopenia in pregnancy-induced hypertension (PIH): a fetal autoimmune disease? Oral Presentation, Society for Gynecologic Investigation, Toronto, Canada, 1986.
68. Branch DW, **Rote NS**, Dostal D, Scott JR. Association of lupus anticoagulant with antibody against phosphatidylserine. Oral Presentation, International Symposium on Antibodies Against Phospholipids, London, England, 1986.
69. **Rote NS**, Branch DW, Dostal D, Scott JR. Lupus anticoagulant activities in sera depleted of anti-phosphatidylserine antibody by affinity chromatography. International Symposium on Antibodies Against Phospholipids, London, England, 1986.

70. Branch DW, Kochenour NK, **Rote NS**, Scott JR. A new postpartum syndrome associated with anti-phospholipid antibodies. Oral Presentation, International Symposium on Antibodies Against Phospholipids, London, England, 1986.
71. Branch DW, Kochenour NK, **Rote NS**, Dostal D, Scott JR. Clinical and laboratory features of patients with lupus anticoagulant and recurrent pregnancy loss. Oral Presentation, International Symposium on Antibodies Against Phospholipids, London, England, 1986.
72. Branch DW, **Rote NS**, Dostal D, Scott JR. Association of lupus anticoagulant with antibody against phosphatidylserine. Oral Presentation, International Congress of Reproductive Immunology, Toronto, Canada, 1986. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:144, 1986.
73. **Rote NS**, Harrison M, Lau RJ, Scott JR. Neonatal thrombocytopenia in pregnancy-induced hypertension (PIH): a fetal autoimmune disease? Oral Presentation, International Congress of Reproductive Immunology, Toronto, Canada, 1986. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:101, 1986.
74. Branch DW, Kochenour NK, **Rote NS**, Dostal D, Scott JR. Clinical and laboratory features of patients with lupus anticoagulant and recurrent pregnancy loss. Oral Presentation, International Congress of Reproductive Immunology, Toronto, Canada, 1986. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:143, 1986.
75. **Rote NS**, Branch DW, Dostal D, Scott JR. Lupus anticoagulant activities in sera depleted of anti-phosphatidylserine antibody by affinity chromatography. International Congress of Reproductive Immunology, Toronto, Canada, 1986. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:143, 1986.
76. **Rote NS**, Branch DW, Dostal D, Scott JR. Subclasses of IgG antiphospholipid antibodies (APA) in patients with lupus anticoagulant (LAC). Poster Presentation, Society for Gynecologic Investigation, Atlanta, GA, 1987.
77. **Rote NS**, Branch DW, Scott JR. Antibody titers against cardiolipin (ACA) and phosphatidylserine (APS) in patients undergoing aspirin and prednisone therapy for recurrent spontaneous abortion. Poster Presentation, Society for Gynecologic Investigation, Atlanta, GA, 1987.
78. Branch DW, Hales K, **Rote NS**, Dostal D, Edwin S. Incidence of antiphospholipid antibodies in pregnancy. Oral Presentation, Society for Gynecologic Investigation, Atlanta, GA, 1987.
79. **Rote NS**, Branch DW, Dostal D, Scott JR. IgG antiphospholipid antibody (APA) subclasses in patients with lupus anticoagulant (LAC). Poster Presentation, American Society of the Immunology of Reproduction, Indianapolis, IN, 1987. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 14:2, 1987.
80. **Rote NS**, Branch DW, Scott JR. Anticardiolipin (ACA) and antiphosphatidylserine (APS) titer in patients undergoing aspirin and prednisone therapy for recurrent spontaneous abortion. Poster Presentation, American Society for the Immunology of Reproduction, Indianapolis, IN, 1987. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 14:11, 1987.
81. Branch DW, Hales K, **Rote NS**, Dostal D, Edwin S. Incidences of antiphospholipid antibodies in pregnancy. Oral Presentation, American Society for the Immunology of Reproduction, Indianapolis, IN, 1987. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 14:1, 1987.
82. **Rote NS**, Dostal D. Testing for lupus anticoagulant (LAC) and antibodies against phosphatidylserine (APS) and cardiolipin (ACL) in recurrent spontaneous pregnancy loss. Oral Presentation, Maine Biological and Medical Sciences Symposium, Brunswick, ME, 1987.
83. **Rote NS**, Branch DW, Dostal D. Recurrent spontaneous pregnancy loss caused by lupus anticoagulant (LAC) and antibodies against the phospholipids phosphatidylserine (APS) and cardiolipin (ACL). Oral Presentation, Canadian - New England Clinical Genetics Conference, Fairlee, VT, 1987.
84. **Rote NS**, Branch DW, Dostal D. Recurrent spontaneous pregnancy loss caused by lupus anticoagulant (LAC) and antibodies against the phospholipids phosphatidylserine (APS) and cardiolipin (ACL). Poster Presentation, World Congress of Anatomic and Clinical Pathology, Washington, DC, 1987.
85. **Rote NS**, Dostal DA, Carmody M. Recurrent spontaneous pregnancy loss caused by lupus anticoagulant (LAC) and antibodies against the phospholipids phosphatidylserine (APS) and cardiolipin (ACL). Poster Presentation, New England Immunology Conference, Woods Hole, MA, 1987.
86. Branch DW, Ward K, Edwin S, **Rote NS**, Scott JR. Antiphospholipid antibodies and endothelial/platelet interactions: testing pathophysiologic hypotheses. Poster Presentation, International Conference on Antiphospholipid Antibodies and Thrombosis, Kingston, Jamaica, 1988.
87. Branch DW, **Rote NS**, Li Y, Edwin S. Levels of antiphospholipid antibodies among non-pregnant women, pregnant women, and women with the antiphospholipid antibody syndrome. Oral Presentation, International Conference on Antiphospholipid Antibodies and Thrombosis, Kingston, Jamaica, 1988.
88. Branch DW, **Rote NS**, Scott JR, Edwin S. The association of antiphospholipid antibodies with severe pre-eclampsia. Oral Presentation, International Conference on Antiphospholipid Antibodies and Thrombosis, Kingston, Jamaica, 1988.
89. **Rote NS**, Dostal DA, Branch DW. Subclasses of IgG antibodies against cardiolipin and phosphatidylserine in women with recurrent pregnancy loss. Oral Presentation, International Conference on Antiphospholipid Antibodies and Thrombosis, Kingston, Jamaica, 1988.
90. **Rote NS**, Zenzius LL, Dostal DA, Branch DW. Lupus anticoagulant (LAC) and antiphospholipid antibodies (APA). Oral Presentation, International Symposium on Immunology of Reproduction, Varna, Bulgaria, 1988.
91. Branch DW, **Rote NS**, Scott JR, Edwin S. Antiphospholipid antibodies in patients with severe pre-eclampsia. Oral Presentation, Society for Gynecologic Investigation, Baltimore, MD, 1988.
92. Ward K, Branch DW, Edwin S, **Rote NS**, Scott JR. Antiphospholipid antibodies and endothelial/platelet interaction: testing pathophysiologic hypotheses. Poster Presentation, Society for Gynecologic Investigation, Baltimore, MD, 1988.
93. Branch DW, **Rote NS**, Li Y, Edwin S. Antiphospholipid antibodies: levels among women with the antiphospholipid antibody syndrome. Oral Presentation, Society for Gynecologic Investigation, Baltimore, MD, 1988.
94. **Rote NS**, Zenzius LL, Dostal DA, Branch DW. Lupus anticoagulant (LAC) and antiphospholipid antibodies (APAs); identification of a phospholipid antigen in partial thromboplastin. Oral Presentation, American Society for the Immunology of Reproduction, Portland, ME, 1988. **Abstract published** in *American Journal of Reproductive Immunology and Microbiology*, 16:109, 1988.
95. Carmody M, Mitchell J, Ault K, **Rote NS**. Immune thrombocytopenia in pregnancy: comparison of ELISA and flow cytometry assays for circulating antiplatelet antibodies. Oral Presentation, Maine Biological and Medical Sciences Symposium, Orono, ME, 1988.
96. Dostal DA, **Rote NS**. Subclasses of IgG antibodies against phospholipids in the sera of women with recurrent pregnancy loss. Oral Presentation, Maine Biological and Medical Sciences Symposium, Orono, ME, 1988.
97. Zenzius LL, Dostal DA, **Rote NS**. Lupus anticoagulant (LAC) and antiphospholipid antibodies (APAs); identification of a phospholipid antigen in partial thromboplastin. Oral Presentation, Maine Biological and Medical Sciences Symposium, Orono, ME, 1988.
98. Ng AK, Carmody MW, **Rote NS**, Ault KA. Analysis of human platelet surface antigens. Poster Presentation, International Congress of Immunology, Berlin, West Germany, 1989.
99. Carmody MW, Ng AK, **Rote NS**, Ault KA. Monoclonal antibodies to platelet associated antigens. Oral Presentation, Maine Biological and Medical Sciences Symposium, Portland, ME, 1989.

100. Anderson K, Ng AK, **Rote NS**, Johnson AM. Antiphospholipid antibody specificities in two patient sera with IgA paraproteins. Oral Presentation, Maine Biological and Medical Sciences Symposium, Portland, ME, 1989.
101. Dostal-Johnson D, Ng AK, Carmody M, **Rote NS**. Monoclonal antibodies against phosphatidylserine induced by phospholipid liposomes. Oral Presentation, American Society for the Immunology of Reproduction, Portland, ME, 1989. **Abstract published** in *American Journal of Reproductive Immunology*, 18:81, 1989.
102. Carmody M, Ng AK, Ault K, **Rote NS**. Monoclonal antibodies to platelet activation antigens. Oral Presentation, American Society for the Immunology of Reproduction, Portland, ME, 1989. **Abstract published** in *American Journal of Reproductive Immunology*, 18:81-82, 1989.
103. Lyden TW, Dostal-Johnson D, **Rote NS**. Ultrastructural localization of antigenic sites in human term placenta for a monoclonal antibody (3SB9b) directed against phosphatidylserine. Oral Presentation, American Society for the Immunology of Reproduction, Portland, ME, 1989. **Abstract published** in *American Journal of Reproductive Immunology*, 18:83, 1989.
104. Mahoney RJ, Paris PA, Given SR, Adams RJ, Breggia AE, Pritchard EF, **Rote NS**. Intravenous immunoglobulin G inhibits T cell proliferation. Poster Presentation, American Society for Histocompatibility and Immunogenetics, Toronto, Canada, 1989. **Abstract published** in *Human Immunology*, Suppl:73, 1989.
105. **Rote NS**, Ault K, Carmody M, Dostal-Johnson D, Ng AK, Oikle S, Roberts R, Siekman R. Antiphospholipid antibodies and recurrent pregnancy loss. Oral Presentation, International Congress of Reproductive Immunology, Kiel, West Germany, 1989. **Abstract published** in *Journal of Reproductive Immunology*, Suppl:24, 1989.
106. Lea D, Dostal-Johnson D, Day G, **Rote NS**. Recurrent pregnancy loss I: evaluation of patients with autoimmune causes. Oral Presentation, Fall Research Conference, Bingham Consortium for Health Research, Bethel, ME, 1989.
107. Lea D, Dostal-Johnson D, Day G, **Rote NS**. Recurrent pregnancy loss II: evaluation and treatment of patients with alloimmune causes. Oral Presentation, Fall Research Conference, Bingham Consortium for Health Research, Bethel, ME, 1989.
108. **Rote NS**, Dostal-Johnson D, Ng AK, Ault K, Carmody M. Monoclonal antibodies specific for phosphatidylserine recognize a platelet activation marker. Poster Presentation, Conference on Clinical Immunology, Arlington, VA, 1989.
109. **Rote NS**, Dostal-Johnson D, Ng AK, Oikle S, Roberts R, Siekman R. Serologic specificity of antiphospholipid antibodies. Poster Presentation, Conference on Clinical Immunology, Arlington, VA, 1989.
110. **Rote NS**, Dostal-Johnson D, Ng AK, Ault K, Carmody M. Monoclonal antibodies specific for phosphatidylserine recognize a platelet activation marker. Poster Presentation, 2nd International Conference on Systemic Lupus Erythematosus, Singapore, 1989.
111. Carmody MW, Mitchell J, **Rote NS**, Ault KA, Ng AK. Human platelet activation antigens. Poster Presentation, New England Immunology Conference, Woods Hole, MA, 1989.
112. Irons M, **Rote N**, Johnson D, Goldberg R, Cetrulo C, Lockwood C, Miller W. Elevated maternal serum alpha-fetoprotein (MSAFP), anti-phospholipid antibodies (APA) and pregnancy outcome. Poster Presentation, American Society of Human Genetics, Baltimore, MD, 1989. **Abstract published** in *American Journal of Human Genetics*, 45:A261, 1989.
113. **Rote NS**, Dostal-Johnson D, Ng AK, Ault K, Carmody M. Platelet and endothelial cell reactivity of monoclonal antibodies against phosphatidylserine and cardiolipin. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Sirmione, Italy, 1990. **Abstract published** in *Clinical and Experimental Rheumatology*, 8:210, 1990.
114. **Rote NS**, Dostal-Johnson D, Ng AK, Oikle S, Roberts R, Branch DW, Siekman S. Serologic testing of antiphospholipid antibodies. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Sirmione, Italy, 1990. **Abstract published** in *Clinical and Experimental Rheumatology*, 8:205, 1990.
115. Bayer SR, Reindollar RH, Walsh KA, Su BCJ, **Rote NS**, Gray MR. Molecular studies of patients with recurrent spontaneous abortions. Poster Presentation, Society for Gynecologic Investigation, St. Louis, MO, 1990.
116. **Rote NS**, Dostal-Johnson D, Ng AK, Ault K, Carmody M. Platelet and endothelial cell reactivity of monoclonal antibodies against phosphatidylserine and cardiolipin. Oral Presentation, American Society for the Immunology of Reproduction, Chicago, IL, 1990. **Abstract published** in *American Journal of Reproductive Immunology*, 22:85, 1990.
117. **Rote NS**, Dostal-Johnson D, Ng AK, Oikle S, Roberts R, Branch DW, Siekman S. Serologic testing of antiphospholipid antibodies. Oral Presentation, American Society for the Immunology of Reproduction, Chicago, IL, 1990. **Abstract published** in *American Journal of Reproductive Immunology*, 22:84-85, 1990.
118. Smith JB, Cowchock FS, Lata JA, Hankinson BT, Iftekhar A, **Rote NS**. Pregnancy outcome after immunotherapy is influenced by the number of cells in the inoculum. Poster Presentation, American Society for the Immunology of Reproduction, Chicago, IL, 1990. **Abstract published** in *American Journal of Reproductive Immunology*, 22:88, 1990.
119. **Rote NS**, Paris PA, Siekman RW. The preparation of synthetic phospholipids related to phosphatidylserine and their reaction with antiphospholipid antibodies. Poster Presentation, Maine Biological and Medical Sciences Symposium, Bar Harbor, ME, 1990.
120. **Rote NS**, Lyden TW. Monoclonal antiphospholipid antibody reactivity with human trophoblast. Oral Presentation, American Society for the Immunology of Reproduction, Charlottesville, VA, 1991. **Abstract published** in *American Journal of Reproductive Immunology*, 25:53, 1991.
121. Lyden TW, **Rote NS**, Johnson PM, Mwenda J. Structural characterization of a placental endogenous retrovirus. Poster Presentation, Eleventh American Society for the Immunology of Reproduction, Charlottesville, VA, 1991. **Abstract published** in *American Journal of Reproductive Immunology*, 25:66, 1991.
122. Hennessey JV, Hawkins RA, Gallagher JS, **Rote NS**. Occurrence of auto-antibodies associated with connective tissue disease in untreated Graves disease. Poster Presentation, Armed Forces District Medical Conference, Cincinnati, OH, 1991.
123. **Rote NS**, Lyden TW, Vogt E. Monoclonal antiphospholipid antibodies react with human trophoblast. Poster Presentation, European Placenta Group Joint and the Rochester Trophoblast Conference, Gwatt, Switzerland, 1991. **Abstract published** in *Placenta*, 12:430-431, 1991.
124. **Rote NS**, Lyden TW, Ng AK, Dostal-Johnson DA. Platelet, endothelial cell, and trophoblast reactivity of mouse monoclonal antiphospholipid antibodies that differentiate between phosphatidylserine and cardiolipin. Oral Presentation, NIH Sponsored Workshop on Antiphospholipid Antibodies, Bethesda, MD, 1991.
125. Lyden TW, Vogt E, **Rote NS**. Antiphosphatidylserine antibodies react with human trophoblast. Oral Presentation, National Student Research Forum, Galveston, TX, 1992.
126. Lyden TW, Ng AK, **Rote NS**. Modulation of phosphatidylserine epitope expression on BeWo cells during forskolin treatment. Poster Presentation, American Society for the Immunology of Reproduction, Charleston, SC, 1992. **Abstract published** in *American Journal of Reproductive Immunology*, 27:24, 1992.
127. Vogt E, Lyden TW, **Rote NS**. Reactivity of human IgM antiphospholipid antibodies against placental trophoblast. Oral Presentation, American Society for the Immunology of Reproduction, Charleston, SC, 1992. **Abstract published** in *American Journal of Reproductive Immunology*, 27:25, 1992.
128. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Anti-HIV monoclonal antibodies react with normal human trophoblast. Oral Presentation, American Society for the Immunology of Reproduction, Charleston, SC, 1992.

129. Shroyer L, **Rote NS**. IgM antiphospholipid antibodies (aPLs) react against cytoskeletal-like proteins in endothelial cells. Poster Presentation, American Society for the Immunology of Reproduction, Charleston, SC, 1992. **Abstract published** in *American Journal of Reproductive Immunology*, 27:37, 1992.
130. Adler RR, Swan KF, **Rote NS**, Brenner CA. Expression of inflammatory cytokines and metalloproteins in differentiating BeWo choriocarcinoma cells. Oral Presentation, American Society for the Immunology of Reproduction, Charleston, SC, 1992. **Abstract published** in *American Journal of Reproductive Immunology*, 27:31, 1992.
131. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Anti-HIV monoclonal antibody reactivity during forskolin induced differentiation of BeWo choriocarcinoma cells. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992.
132. Lyden TW, Vogt E, Ng AK, **Rote NS**. IgM antiphospholipid antibodies differentiate between human placental cytotrophoblast and syncytiotrophoblast. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992.
133. Lyden TW, Ng AK, **Rote NS**. Expression and modulation of phosphatidylserine on BeWo cells during forskolin treatment. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992.
134. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Localization of anti-retroviral antibody reactivity in normal non-infected human placenta. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992.
135. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Computer analysis of potential glucocorticoid binding sites within the placental-associated endogenous retrovirus proviral sequences HERV-3 and BaEV. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992.
136. **Rote NS**, Lyden TW, Vogt E, Ng AK, Chang J. Expression of phosphatidylserine epitopes during trophoblast membrane fusion: an alternative hypothesis for antiphospholipid antibody associated pregnancy disorders. Poster Presentation, International Congress of Reproductive Immunology, Rome, Italy, 1992. **Abstract published** in *Journal of Immunology and Immunopharmacology*, 12:132, 1992.
137. Lyden TW, Vogt E, Ng AK, **Rote NS**. Human and mouse monoclonal IgM antiphospholipid antibodies react with human placental trophoblast. Oral Presentation, International Symposium on Antiphospholipid Antibodies, San Antonio, Texas, 1992. **Abstract published** in *Clinical and Experimental Rheumatology*, 10:638, 1992.
138. Lyden TW, Vogt E, **Rote NS**. Phosphatidylserine antigen expression and modulation associated with *in vitro* cytotrophoblast differentiation. Poster Presentation, International Symposium on Antiphospholipid Antibodies, San Antonio, Texas, 1992. **Abstract published** in *Clinical and Experimental Rheumatology*, 10:639, 1992.
139. **Rote NS**, Shroyer L, Ng AK. Reactivity of endothelial cell cytoskeletal-like proteins with human and mouse monoclonal IgM antiphospholipid antibodies. Poster Presentation, International Symposium on Antiphospholipid Antibodies, San Antonio, Texas, 1992. **Abstract published** in *Clinical and Experimental Rheumatology*, 10:640, 1992.
140. Vogt E, Lyden TW, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody induces intrauterine growth retardation in BALB/C mice. Poster Presentation, International Symposium on Antiphospholipid Antibodies, San Antonio, Texas, 1992. **Abstract published** in *Clinical and Experimental Rheumatology*, 10:641, 1992.
141. Lyden TW, Johnson PM, Mwenda JM, **Rote NS**. Localization of anti-HIV monoclonal antibody reactivity in normal human placental trophoblast during differentiation. Oral Presentation, Rochester Trophoblast Conference, Rochester, New York, 1992.
142. Adler RR, Brenner CA, **Rote NS**. The expression and role of cytokines in human choriocarcinoma cell lines. Poster Presentation, American Society for Cell Biology, Denver, Colorado, 1992.
143. Fortunato SJ, Menon R, Swan KF, **Rote NS**. Expression of inflammatory cytokines by fetal membranes in culture as determined by polymerase chain reaction (PCR) and *in situ* hybridization. Poster Presentation, Society for Gynecologic Investigation, Toronto, Canada, 1993.
144. Fortunato SJ, Menon R, Swan KF, **Rote NS**. Organ culture of amino-chorionic membrane *in vitro*. Poster Presentation, Society for Gynecologic Investigation, Toronto, Canada, 1993.
145. Menon R, **Rote NS**. IL-1 β and IL-6 expression in amniochorionic membrane by polymerase chain reaction (PCR), *in situ* hybridization, and immunocytochemistry. Oral Presentation, Eastern Student Research Conference, Miami, Florida, 1993.
146. Johnson RM, Peoples JB, **Rote NS**, Lyden T, Apesos J. Tumor necrosis factor levels measured by sandwich ELISA in an experimental wound infection. Poster Presentation, Plastic Surgery Research Council, Houston Texas, 1993.
147. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Immunolocalization of endogenous placental proteins crossreactive with HIV-1. Poster Presentation, International Conference on AIDS, Berlin, Germany, 1993.
148. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. HIV-1 crossreactive protein expression in choriocarcinoma cell lines. Poster Presentation, International Conference on AIDS, Berlin, Germany, 1993.
149. Fortunato MD, Menon R, Swan K, **Rote N**. Characterization of early cytokine expression in cultured amniochorion: response to physical manipulation. Poster Presentation, Infectious Diseases Society for Obstetrics and Gynecology, Stowe, Vermont, 1993.
150. **Rote NS**, Lyden TW, Vogt E, Ng AK. Antiphospholipid antibodies and placental development. Poster Presentation, Sero Symposium on Immunobiology of Reproduction, Boston, Massachusetts, 1993.
151. Lyden T, Johnson PM, **Rote NS**. Differentiation-related expression of HIV-1 cross-reactive proteins in human placenta and choriocarcinoma cells. Poster Presentation, Sero Symposium on Immunobiology of Reproduction, Boston, Massachusetts, 1993.
152. Lyden T, Johnson PM, Mwenda J, **Rote NS**. Immunolocalization and *in situ* hybridization of HIV-1 crossreactive proteins and HERV-3 mRNA in choriocarcinoma cells during induced trophoblast differentiation. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.45, 1993.
153. Lyden T, Johnson PM, Mwenda J, **Rote NS**. Immunolocalization of HIV-1 crossreactive placental proteins in the normal non-infected human decidua and basal plate. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.46, 1993.
154. **Rote NS**, Vogt E, Lyden TW, Lin L, Ng AK. Human IgM antiphospholipid antibodies react with human placental trophoblast. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.64, 1993.
155. **Rote NS**, Lin L, Shroyer L, Lyden TW, Ng AK. Reactivity of endothelial cell intermediate filaments with human and mouse monoclonal IgM antiphospholipid antibodies. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.63, 1993.
156. **Rote NS**, Vogt E, Lyden TW, Ng AK. Antiphosphatidylserine antibody induces intrauterine growth retardation in Balb/c mice. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.64, 1993.
157. **Rote NS**, Menon R, Swan KF, Lyden TW, Fortunato SJ. Expression of IL-1 β and IL-6 protein and mRNA in amniochorionic membrane. Poster Presentation, European Placental Group, Manchester, England, 1993. **Abstract published** in *Placenta*, 14:A.63, 1993.
158. Obringer AR, **Rote NS**, Walter A. Antiphospholipid antibody binding to bilayer membranes: role of lipid headgroup and charge density. Poster Presentation, Biophysical Society, New Orleans, LA, 1994. **Abstract published** in *Biophysics Journal*, 66:A28, 1994.

159. Obringer AR, Walter A, Ng AK, **Rote NS**. Antiphosphatidylserine antibody binding to artificial bilayer membranes. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:241, 1994.
160. Lin L, Shroyer L, Ng AK, **Rote NS**. Reactivity of IgM antiphosphatidylserine antibodies with endothelial cell intermediate filaments. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:240, 1994.
161. Vogt E, Ng AK, **Rote NS**. Reactivity of monoclonal IgM antiphospholipid antibodies with feline brain. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:242, 1994.
162. **Rote NS**, Chang J, Lyden TW, Ng AK. Expression of phosphatidylserine-dependent antigens on the surface of the differentiating choriocarcinoma cell line BeWo. Oral Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:227, 1994.
163. Vogt E, **Rote NS**. Reactivity of monoclonal anti-desmosomal protein with syncytiotrophoblast and extravillous trophoblast in second trimester human placenta. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:231, 1994.
164. **Rote NS**, Adler RR, Ng AK. Monoclonal antiphosphatidylserine antibody prevents forskolin-induced intercellular fusion in the choriocarcinoma cell line, JAR. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:241, 1994.
165. Lyden TW, Johnson PM, **Rote NS**. Definition and retroviral crossreactivity pattern of trophoblast subpopulations within placental cell isolates. Poster Presentation, American Society for Reproductive Immunology, Philadelphia, PA, 1994. **Abstract published** in *American Journal of Reproductive Immunology*, 31:230, 1994.
166. **Rote NS**, Nicholson S, Ng AK. Externalization of antigenic phosphatidylserine-dependent antigens during platelet activation. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. **Abstract published** in *Lupus*, 3:331, 1994.
167. Vogt E, Lyden TW, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody induces intrauterine growth retardation in pregnant mice. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994.
168. Obringer AR, **Rote NS**, Walter A. Antiphospholipid antibody binding to phospholipid bilayers: role of the lipid headgroup and charge density. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. **Abstract published** in *Lupus*, 3:363, 1994.
169. Lin L, **Rote NS**. Antiphospholipid antibody reactivity with intermediate filaments in endothelial cells: a possible mechanism of antiphospholipid antibody-mediated thrombosis. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. **Abstract published** in *Lupus*, 3:333, 1994.
170. Kent M, Vogt E, **Rote NS**. Monoclonal antiphospholipid antibodies react directly with cat brain. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. **Abstract published** in *Lupus*, 3:315, 1994.
171. **Rote NS**, Katsuragawa H, Chang J, Ng AK, Mori T. Expression of phosphatidylserine-dependent antigens on the surface of differentiating human trophoblast. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. **Abstract published** in *Lupus*, 3:348, 1994.
172. **Rote NS**, Adler RR, Ng AK. Monoclonal antiphosphatidylserine antibody prevents intercellular fusion in an *in vitro* model of human placental development. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Leuven, Belgium, 1994. *Lupus*, 3:332, 1994.
173. **Rote NS**, Vogt E. Reactivity of monoclonal anti-desmosomal protein with syncytiotrophoblast and extravillous trophoblast in second trimester human placenta. Oral Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A62, 1994.
174. **Rote NS**, Vogt E, Lyden TW, Ng AK. Monoclonal antiphosphatidylserine antibody induces intrauterine growth retardation in pregnant mice. Poster Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A63, 1994.
175. **Rote NS**, Katsuragawa H, Chang J, Ng AK, Mori T. Expression of phosphatidylserine-dependent antigens on the surface of differentiating human trophoblast. Oral Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A62, 1994.
176. **Rote NS**, Adler RR, Ng AK. Monoclonal antiphosphatidylserine antibody prevents intercellular fusion in an *in vitro* model of human placental development. Poster Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A61, 1994.
177. Katsuragawa H, **Rote NS**, Kanzaki H, Inoue T, Narukawa S, Mori T. Monoclonal antiphospholipid antibody reactivity against human first-trimester placental trophoblasts. Oral Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A37, 1994.
178. Lyden TW, Johnson PM, **Rote NS**. Definition and retroviral crossreactivity pattern of trophoblast subpopulations within placental cell isolates. Poster Presentation, International Conference on the Placenta, Sidney, Australia, 1994. **Abstract published** in *Placenta*, 15:A43, 1994.
179. Mwenda JW, Lyden TW, Mumtaz V, Johnson PM, **Rote NS**. Expression in normal baboon and human placental tissues of antigens reactive with anti-HIV gp120 and p17 monoclonal antibodies. Oral Presentation, African Immunology Conference, Nairobi, Kenya, 1994. **Abstract published** in *Journal of Cancer Research and Clinical Oncology*, 1:39, 1995.
180. **Rote NS**. Antiphospholipid antibodies and pregnancy loss. Poster Presentation, International Congress of Reproductive Immunology and American Society for Reproductive Immunology, Washington, DC, 1995. **Abstract published** in *American Journal of Reproductive Immunology*, 33:433, 1995.
181. **Rote NS**, Vogt E. Monoclonal antiphosphatidylserine antibody induces intrauterine growth retardation in mice. Poster Presentation, International Congress of Reproductive Immunology and American Society for Reproductive Immunology, Washington, DC, 1995. **Abstract published** in *American Journal of Reproductive Immunology*, 33:476, 1995.
182. Katsuragawa H, Kanzaki H, Inoue T, Watanabe H, Hirano T, Hatayama H, Higuchi T, Mori T, **Rote NS**. Monoclonal antiphospholipid antibody reactivity against human cultured trophoblast. Poster Presentation, International Congress of Reproductive Immunology and American Society for Reproductive Immunology, Washington, DC, 1995. **Abstract published** in *American Journal of Reproductive Immunology*, 33:476, 1995.
183. Lyden TW, Johnson PM, Mwenda J, **Rote NS**, Ray PA, Mandal AK. Immunolocalization of retroviral crossreactive epitopes during trophoblast differentiation. Poster Presentation, International Congress of Reproductive Immunology and American Society for Reproductive Immunology, Washington, DC, 1995. **Abstract published** in *American Journal of Reproductive Immunology*, 33:451, 1995.

184. Mwenda J, Johnson PM, Lyden TW, **Rote NS**, Flanagan BE. Molecular characterization of a putative retrovirus cDNA isolated from human placental tissue. Poster Presentation, International Congress of Reproductive Immunology and American Society for Reproductive Immunology, Washington, DC, 1995.
185. **Rote NS**, Vogt E, Ng AK. Phosphatidylserine expression by trophoblast: the target for antiphospholipid antibodies. Poster Presentation, Society for the Study of Reproduction, Davis, CA, 1995. **Abstract published** in *Biology of Reproduction*, 52 (supplement):133, 1995.
186. Mwenda JW, Johnson PM, Lyden TW, **Rote NS**. Characterization of endogenous retroviral antigens expressed in normal baboon and human placental tissues. Oral Presentation, European Tumour Virus Group, Innsbruck, Austria, 1995.
187. Awaloei H, Lyden TW, Salafia CM, Silberman L, **Rote NS**. Phosphatidylserine-dependent antigens as markers for placental pathology. Poster Presentation, Society of Perinatal Obstetricians, Kamuela, HA, 1996. **Abstract published** in *American Journal of Obstetrics and Gynecology*, 174:362, 1996.
188. Vogt E, Ng AK, **Rote NS**. Reactivity of monoclonal antiphospholipid antibodies with endovascular trophoblast in human decidua. Poster Presentation, International Workshop on the Maternal-Placental-Fetal Dialogue, Lahaina, Maui, HA, 1996.
189. Obringer AR, Dean KW, Channel SR, **Rote NS**. Aminophospholipid translocase activity in JEG-3: a choriocarcinoma model of cytotrophoblast differentiation. Poster Presentation, International Workshop on the Maternal-Placental-Fetal Dialogue, Lahaina, Maui, HA, 1996.
190. Lin L, **Rote NS**. Expression of ERV-3 RNA in BeWo undergoing differentiation. Oral Presentation, American Society for Reproductive Immunology, Knoxville, TN, 1996. **Abstract published** in *American Journal of Reproductive Immunology*, 35:460-461, 1996.
191. Vogt E, Ng AK, **Rote NS**. Reactivity of monoclonal antiphospholipid antibodies with endovascular trophoblast in human decidua. Poster Presentation, American Society for Reproductive Immunology, Knoxville, TN, 1996. **Abstract published** in *American Journal of Reproductive Immunology*, 35:463, 1996.
192. Obringer AR, Dean KW, Channel SR, **Rote NS**. Aminophospholipid translocase activity in JEG-3: a choriocarcinoma model of cytotrophoblast differentiation. Oral Presentation, American Society for Reproductive Immunology, Knoxville, TN, 1996.
193. Obringer AR, Dean KW, Channel SR, **Rote NS**. Aminophospholipid translocase activity in JEG-3: a choriocarcinoma model of placental trophoblast differentiation. Poster Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996. **Abstract published** in *Lupus*, 5:505, 1996.
194. Vogt E, Awaloei H, Ng AK, **Rote NS**. Reactivity of monoclonal antiphospholipid antibodies with endovascular trophoblast and with amnion and chorion. Oral Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996. **Abstract published** in *Lupus*, 5:505, 1996.
195. Katsuragawa H, Mori T, Tamai T, **Rote NS**. Monoclonal antibody against phosphatidylserine inhibits in vitro human trophoblastic hormone production and invasion. Poster Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996. **Abstract published** in *Lupus*, 5:524, 1996.
196. **Rote NS**, Ezenagu LC, Vogt E, Mault TA, Thein W. Antiphospholipid and antitrophoblastic antibodies in preeclampsia. Poster Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996. **Abstract published** in *Lupus*, 5:506, 1996.
197. **Rote NS**, Ng AK, Obringer AR, Vogt E, Devere G. Effects of monoclonal antiphospholipid antibodies on trophoblast differentiation. Oral Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996. **Abstract published** in *Lupus*, 5:505, 1996.
198. Vogt E, Ng AK, **Rote NS**. Antiphosphatidylserine antibodies block the binding of annexin V to the surface of a choriocarcinoma model of trophoblast differentiation. Poster Presentation, International Symposium on Antiphospholipid Antibodies, New Orleans, LA, 1996.
199. Lin L, **Rote NS**. Expression of endogenous retroviral components in a choriocarcinoma model of differentiating placental trophoblast. Oral Presentation, Human Endogenous Retrovirus European Community-Planning Meeting, Uppsala, Sweden, 1996.
200. Vogt E, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody removes annexin V from the surface of trophoblast. Oral Presentation, American Society for Reproductive Immunology, Vancouver, BC, Canada, 1997. **Abstract published** in *American Journal of Reproductive Immunology*, 37:355, 1997.
201. Lin L, **Rote NS**. Localization of ERV-3 mRNA expression is related to intercellular fusion in a choriocarcinoma model of trophoblast differentiation. Oral Presentation, American Society for Reproductive Immunology, Vancouver, BC, Canada, 1997. **Abstract published** in *American Journal of Reproductive Immunology*, 37:349, 1997.
202. DeVere G, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody prevents the migration of JAR choriocarcinoma through Matrigel coated filters. Oral Presentation, American Society for Reproductive Immunology, Vancouver, BC, Canada, 1997. **Abstract published** in *American Journal of Reproductive Immunology*, 37:354, 1997.
203. Lin L, **Rote NS**. Localization of ERV-3 mRNA expression is related to intercellular fusion in a choriocarcinoma model of trophoblast differentiation. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Charlottesville, VA, 1997. **Abstract published** in *Journal of Reproductive Immunology*, 34:65, 1997.
204. DeVere G, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody prevents the migration of JAR choriocarcinoma through Matrigel coated filters. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Charlottesville, VA, 1997. **Abstract published** in *Journal of Reproductive Immunology*, 34:63-64, 1997.
205. Vogt E, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody removes annexin V from the surface of trophoblast and increases prothrombin binding. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Charlottesville, VA, 1997. **Abstract published** in *Journal of Reproductive Immunology*, 34:62-63, 1997.
206. Langat DK, Johnson PM, **Rote NS**, Owiti GO, Wango EO, Mwenda JM. Characterization of HIV/SIV cross-reactive antigens expressed in normal baboon placental villous tissue. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Charlottesville, VA, 1997. **Abstract published** in *Journal of Reproductive Immunology*, 34:66, 1997.
207. **Rote NS**, Lin L. The expression of ERV-3 mRNA by in situ hybridization is concurrent with intercellular fusion in a choriocarcinoma model of trophoblast differentiation. Oral Presentation, European Placenta Group, Vigsø, Denmark, 1997. **Abstract published** in *Placenta*, 18:A.7, 1997.
208. **Rote NS**, DeVere G, Ng AK. The migration of JAR choriocarcinoma through Matrigel coated filters is prevented by monoclonal antiphosphatidylserine antibody. Poster Presentation, European Placenta Group, Vigsø, Denmark, 1997. **Abstract published** in *Placenta*, 18:A.49, 1997.
209. **Rote NS**, Vogt E, Ng AK. Monoclonal antiphosphatidylserine antibody displaces annexin V from the surface of BeWo choriocarcinoma cells and increases prothrombin binding. Poster Presentation, European Placenta Group, Vigsø, Denmark, 1997. **Abstract published** in *Placenta*, 18:A.50, 1997.
210. **Rote NS**, Ezenagu LC, Vogt E, Buricham J. Antiphospholipid antibodies and antitrophoblastic antibodies in preeclampsia. Poster Presentation, European Placenta Group, Vigsø, Denmark, 1997. **Abstract published** in *Placenta*, 18:A.49, 1997.
211. **Rote NS**. Antiphospholipid antibodies and preterm labor. Oral Presentation, NIH International Symposium on Preterm Labor, Charleston, SC, 1997.

212. **Rote NS**, Vogt E, DeVere G, Ng AK. Monoclonal antibody against phosphatidylserine interferes with the differentiation of choriocarcinoma models of trophoblast. Oral Presentation, Symposium on Immunopathology of Pregnancy, Paris, 1997. **Abstract published in *Infectious Diseases in Obstetrics and Gynecology*, 5:203, 1997.**
213. Lin L, Xu B, **Rote NS**. Expression of endogenous retrovirus (ERV-3) mRNA is coincident with intercellular fusion in a choriocarcinoma model of trophoblast differentiation. Oral Presentation, Symposium on Immunopathology of Pregnancy, Paris, 1997. **Abstract published in *Infectious Diseases in Obstetrics and Gynecology*, 5:205, 1997.**
214. Mwenda JM, Langat DK, Johnson PM, **Rote NS**, Owiti GO, Wango EO. Localisation of retroviral-related antigens expressed in normal baboon placental villous tissue. Oral Presentation, International Association for Comparative Research on Leukaemia and Related Diseases, Mannheim/Heidelberg, Germany, 1997. **Abstract published in *Journal of Molecular Medicine*, 75:B178, 1997.**
215. Lin L, Xu B, **Rote NS**. Expression of endogenous retrovirus (ERV-3) causes intercellular fusion in a choriocarcinoma model of trophoblast differentiation. Oral Presentation, National Student Research Forum, Galveston, TX, 1998.
216. Chang S-H, Xu B, **Rote NS**. The expression of annexin V by a choriocarcinoma model of trophoblast differentiation. Poster Presentation, National Student Research Forum, Galveston, TX, 1998.
217. Langat D, Kigondo C, Agunda C, Machoki JM, **Rote NS**, Kent M, Mwenda JM. The prevalence of anti-cardiolipin and anti-phosphatidylserine antibodies in patients with recurrent pregnancy loss. Oral Presentation, Kenya Obstetrical and Gynecological Society, Nairobi, Kenya, 1998.
218. Langat D, Sichangi M, **Rote NS**, Kent M, Mwenda JM. The prevalence of anti-phosphatidylserine IgG antibodies in non-human primates with recurrent pregnancy loss. Oral Presentation, Kenya Obstetrical and Gynecological Society, Nairobi, Kenya, 1998.
219. **Rote NS**. Antiphospholipid antibodies and their effects on trophoblast function. Oral Presentation, Reproductive Immunology Symposium, American Association of Immunologists, San Francisco, CA, 1998.
220. Lin L, Xu B, **Rote NS**. Expression of endogenous retrovirus ERV-3 causes differentiation in BeWo. Emerging Concepts in Early Pregnancy Investigation, Rochester, NY, 1998.
221. Chang S-H, Xu B, **Rote NS**. The expression of annexin V by a choriocarcinoma model of trophoblast differentiation. Emerging Concepts in Early Pregnancy Investigation, Rochester, NY, 1998.
222. Lin L, Xu B, **Rote NS**. Expression of endogenous retrovirus ERV-3 is concurrent with differentiation in BeWo. Poster/Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.37, 1998.**
223. **Rote NS**, Obringer AR, Vogt E. Calcium ionophore induces rapid externalization of phosphatidylserine in BeWo. Poster/Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.52, 1998.**
224. Lin L, Xu B, **Rote NS**. Effects of over expression and anti-sense expression of human endogenous retrovirus ERV-3 envelope gene on BeWo cell differentiation. Poster/Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.37, 1998.**
225. Xu B, Lin L, **Rote NS**. Identification of novel genes involved in BeWo cell differentiation. Poster/Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.37, 1998.**
226. Chang S-H, Xu B, **Rote NS**. Externalization of annexin V during BeWo differentiation. Poster/Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.51, 1998.**
227. Lin L, Xu B, **Rote NS**. Role of human endogenous retrovirus ERV-3 envelope gene in human placental BeWo proliferation and differentiation. Oral Presentation, International Federation of Placental Associations, Tokyo, Japan, 1998. **Abstract published in *Placenta*, 19:A.12, 1998.**
228. Lin L, Xu B, **Rote NS**. Expression of the endogenous retrovirus-3 (ERV-3) induces differentiation of BeWo, a choriocarcinoma model of human placental trophoblast. Oral Presentation, Kennedy Institute Symposium: Retroviruses and Autoimmunity, London, England, 1998.
229. Kent MN, Alvarez FJ, **Rote NS**. Ultrastructural localization of monoclonal antiphospholipid antibodies binding to myelin and ependymal cilia of rat brain. International Symposium on Antiphospholipid Antibodies, Sapporo, Japan, 1998. **Abstract published in *Lupus*, 7:S206, 1998.**
230. Chang S-H, Xu B, **Rote NS**. The expression of annexin V by a choriocarcinoma model of trophoblast differentiation. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Sapporo, Japan, 1998. **Abstract published in *Lupus*, 7:S204, 1998.**
231. Obringer AR, DeVere G, Mikesell C, Ng AK, **Rote NS**. The effect of β_2 -glycoprotein I on monoclonal antiphospholipid antibody binding to artificial phospholipid-coated bilayers. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Sapporo, Japan, 1998. **Abstract published in *Lupus*, 7:S180, 1998.**
232. Mwenda JM, Langat DK, Agunda C, Machoki JM, **Rote N**, Kent M, Kigondo CS. The prevalence of anti-phospholipid antibodies in human and non-human primates with recurrent pregnancy loss. Oral Presentation, International Primatological Society Meeting, Antananarivo, Madagascar, 1998.
233. Obringer AR, DeVere G, Mikesell C, Ng AK, **Rote NS**. The effect of β_2 -glycoprotein I on monoclonal antiphospholipid antibody binding to artificial phospholipid-coated bilayers. Poster Presentation, International Congress on Autoimmunity, Tel Aviv, Israel, 1999. **Abstract published in *Journal of Autoimmunity*, 11: 1999.**
234. Lin L, Xu B, **Rote NS**. The role of endogenous retrovirus ERV-3 in placental development. Poster Presentation, International Congress on Autoimmunity, Tel Aviv, Israel, 1999. **Abstract published in *Journal of Autoimmunity*, 11: 1999.**
235. **Rote NS**. Placental trophoblast: a primary target for antiphospholipid antibodies? Oral Presentation, International Congress on Autoimmunity, Tel Aviv, Israel, 1999. **Abstract published in *Journal of Autoimmunity*, 11: 1999.**
236. **Rote NS**. Role of the placental trophoblast in the pathophysiology of the antiphospholipid antibody syndrome. Oral Presentation, Session on Immunology, Autoimmunity, and Reproduction, Association of Medical Laboratory Immunologists, Bethesda, MD, 1999.
237. **Rote NS**, Lin L, Xu B. Expression of endogenous retrovirus ERV-3 in trophoblast differentiation. Poster Presentation, European Placental Group Meeting, Schladming, Austria, 1999. **Abstract published in *Placenta*, 20:A.57, 1999.**
238. **Rote NS**. The phosphatidylserine flip/flop and trophoblast differentiation. Oral Presentation, European Placental Group Meeting, Schladming, Austria, 1999.
239. Zhang YM, Xu B, Peterson L, **Rote NS**, Amesse L. Expression of HOX genes in trophoblast cells. Poster Presentation, Society for Gynecologic Investigation, Chicago, IL, 2000. **Abstract published in *Journal of the Society for Gynecologic Investigation*, 7:158A, 2000.**
240. Xu B, Lin L, Huang K, Amesse LS, Chang Y, **Rote NS**. Expression and function of a novel stress-induced protein, RTP, in human trophoblasts. Oral Presentation, Society for Gynecologic Investigation, Chicago, IL, 2000. **Abstract published in *Journal of the Society for Gynecologic Investigation*, 7:185A, 2000**
241. Xu B, Lin L, **Rote NS**. Phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Rochester Trophoblast Conference, Rochester, NY, 2000. **Abstract published in *Placenta*, 21:A50, 2000.**

242. Perrine K, Heitzer M, **Rote NS**. Phosphatidylserine on glass microspheres specifically binds two serum proteins. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Tours, France, 2000. **Abstract published** in *Journal of Autoimmunity*, 15:A59, 2000.
243. Perrine K, Heitzer M, **Rote NS**. The same antigenic determinant is formed by phosphatidylserine alone and phosphatidylethanolamine plus co-factors. Oral Presentation, International Symposium on Antiphospholipid Antibodies, Tours, France, 2000. **Abstract published** in *Journal of Autoimmunity*, 15:A21, 2000.
244. Xu B, Lin L, **Rote NS**. Phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Poster Presentation, International Symposium on Antiphospholipid Antibodies, Tours, France, 2000. **Abstract published** in *Journal of Autoimmunity*, 15:A61, 2000.
245. **Rote NS**, Heitzer M, Perrine K. A biologically active antiphospholipid antibody (aPL) binds phosphatidylserine (PS) alone and phosphatidylethanolamine (PE) plus co-factors. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Amsterdam, The Netherlands, 2000.
246. **Rote NS**, Xu B, Lin L. Phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Amsterdam, The Netherlands, 2000.
247. **Rote NS**, Xu B, Lin L. Endogenous retrovirus (ERV-3) env initiates normal trophoblast differentiation. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Amsterdam, The Netherlands, 2000.
248. **Rote NS**, Kumar N, Xu B, Lin L. Annexin V appears to be involved in intercellular fusion of trophoblast. Poster Presentation, International Conference on Experimental and Clinical Reproductive Immunobiology, Amsterdam, The Netherlands, 2000.
249. Lin L, **Rote NS**. Distinct cellular mechanisms of phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Poster Presentation, Meeting of the United States and Canadian Academy of Pathology, Atlanta, GA, 2001.
250. Zhang YM, Reid T, **Rote NS**, Amesse L. MAPKs activation mediates expression of HOX A11. Poster Presentation, Society for Gynecologic Investigation, Toronto, Canada, 2001.
251. **Rote NS**, Heizer M. A biologically active antiphospholipid antibody (aPL) binds phosphatidylserine (PS) alone or phosphatidylethanolamine (PE) plus co-factors. Oral Presentation, International Congress of Immunology, Stockholm, Sweden, 2001.
252. **Rote NS**, Xu B, Lin L, Kumar N. Annexin V is involved in intercellular fusion of human trophoblast. Oral Presentation, International Congress of Immunology, Stockholm, Sweden, 2001.
253. **Rote NS**, Xu B, Lin L. Different mechanisms of antigenic phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Oral Presentation, International Congress of Reproductive Immunology, Opatija, Croatia, 2001.
254. **Rote NS**, Xu B, Lin L. hCG production is separated from intercellular fusion in BeWo stably transfected with *env* of human endogenous retrovirus ERV-3. Poster Presentation, European Placenta Group/International Federation of Placental Associations, Sorrento, Italy, 2001. **Abstract published** in *Placenta*, 22:A49, 2001.
255. **Rote NS**, Xu B, Lin L, Shivaswamy V. Phosphatidylserine externalization during differentiation or apoptosis are independent processes in trophoblast. Poster Presentation, European Placenta Group/International Federation of Placental Associations, Sorrento, Italy, 2001. **Abstract published** in *Placenta*, 22:A34, 2001.
256. **Rote NS**, Xu B, Lin L, Kumar N. Antibody against annexin V prevents intercellular fusion in BeWo, a model of villous trophoblast differentiation. Poster Presentation, European Placenta Group/International Federation of Placental Associations, Sorrento, Italy, 2001. **Abstract published** in *Placenta*, 22:A21, 2001.
257. **Rote NS**, Xu B, Lin L, Shivaswamy V. Phosphatidylserine externalization during differentiation and apoptosis are independent processes in a model of human villous trophoblast. Research Days, Charles H. Rammelkamp, Jr. Center for Education and Research, MetroHealth Medical Center, Cleveland, OH, 2001.
258. **Rote NS**, Xu B, Lin L, Kumar N. Antibody against annexin V prevents intercellular fusion in BeWo, a model of villous trophoblast differentiation. Research Days, Charles H. Rammelkamp, Jr. Center for Education and Research, MetroHealth Medical Center, Cleveland, OH, 2001.
259. **Rote NS**, Lin L, Xu B. Expression of endogenous retrovirus ERV-3 *env* induces differentiation in BeWo, a choriocarcinoma model of human placental trophoblast. Research Days, Charles H. Rammelkamp, Jr. Center for Education and Research, MetroHealth Medical Center, Cleveland, OH, 2001.
260. **Rote NS**, Xu B, Lin L, Shivaswamy V. Phosphatidylserine externalization during differentiation and apoptosis are independent processes in a model of human villous trophoblast. Poster Presentation, Society for Gynecologic Investigation, Los Angeles, CA, 2002.
261. **Rote NS**, Kumar N, Chang SH, Lin L, Xu B. Monoclonal antibody against annexin V prevents intercellular fusion in BeWo. Poster Presentation, Society for Gynecologic Investigation, Los Angeles, CA, 2002.
262. Zhang YM, **Rote N**, Amesse LS. Cis acting elements in the transcription and regulation of HOX A11 homeobox gene. Poster Presentation, Society for Gynecologic Investigation, Los Angeles, CA, 2002.
263. Kent MN, Vollmer TL, Adineh M, Ezzeddine B, **Rote NS**, Conti-Kelly A, Greco TP. Serum antibodies from patients with elevated APLs react directly with human brain. Oral Presentation, International Conference on Antiphospholipid Antibodies, Taormina, Sicily, Italy, 2002.
264. **Rote NS**, Das M, Kumar N, Chang SH, Lin L, Xu B, Kent MN. Monoclonal antibody against annexin V prevents intertrophoblast fusion. Oral Presentation, International Conference on Antiphospholipid Antibodies, Taormina, Sicily, Italy, 2002.
265. **Rote NS**, Das M, Xu B, Lin L, Shivaswamy V, Kent MN. Phosphatidylserine externalization during differentiation and apoptosis are independent processes in trophoblast. Oral Presentation, International Conference on Antiphospholipid Antibodies, Taormina, Sicily, Italy, 2002.
266. **Rote NS**, Xu B, Lin L. Intercellular fusion and hCG production are independent events in BeWo stably transfected with human endogenous retrovirus, ERV-3 *env*. Poster Presentation, International Federation of Placental Associations, Melbourne, Australia, 2002. **Abstract published** in *Placenta*, 23:A48, 2002.
267. **Rote NS**, Xu B, Lin L, Kumar N. Annexin V participates in intercellular fusion in BeWo. Poster Presentation, International Federation of Placental Associations, Melbourne, Australia, 2002. **Abstract published** in *Placenta*, 23:A28, 2002.
268. Bachman K, **Rote NS**. Do Antiphospholipid antibodies from patients with preeclampsia inhibit trophoblast migration? Oral Presentation, Frontiers in Reproduction: Immune Mechanisms in Pregnancy, Cambridge, MA, 2002.
269. **Rote NS**, Das M. Annexin V participates in intercellular fusion in the trophoblast model, BeWo. Poster Presentation, Society for Maternal Fetal Medicine, San Francisco, CA, 2003. **Abstract published** in *American Journal of Obstetrics and Gynecology*, 2003.
270. **Rote NS**, Das M, Xu B, Lin L, Kumar N. Annexin A5 participates in intercellular fusion in a model of human trophoblast, BeWo. Poster Presentation, Research ShowCASE 2003, Case Western Reserve University, Cleveland, OH, 2003.
271. **Rote NS**, Das M, Xu B, Lin L, Kumar N. Monoclonal antiphospholipid and anti-annexin A5 antibodies prevent intercellular fusion in a model of human villous cytotrophoblast. Oral presentation, European Society for Clinical Investigation, Verona, Italy, 2003. **Abstract published** in *European Journal of Clinical Investigation*, 33(suppl 1):62, 2003.

272. **Rote NS**, Das M, Xu B, Lin L. Distinct mechanisms of phosphatidylserine externalization in human trophoblast differentiation and apoptosis. Oral presentation, European Society for Clinical Investigation, Verona, Italy, 2003. **Abstract published** in *European Journal of Clinical Investigation*, 33(suppl 1):62, 2003.
273. Das M, Chakrabarti S, Xu B, Lin L, Kumar N, **Rote NS**. Intercellular fusion in a model of human trophoblast, BeWo: the roles of phosphatidylserine and annexins A5 and A2. Oral Presentation, Society for the Study of Reproduction, Cincinnati, OH, 2003.
274. **Rote NS**, Das M, Chakrabarti S, Xu B, Lin L. Intercellular fusion and phosphatidylserine externalization in a trophoblast model, BeWo, is not related to apoptosis. Poster Presentation, Society for the Study of Reproduction, Cincinnati, OH, 2003.
275. **Rote NS**, Das M, Chakrabarti S. Regulation of phosphatidylserine efflux in differentiation and apoptosis. Poster Presentation, 6th Annual Research Days, Charles H. Rammekamp, Jr. Center for Education and Research, MetroHealth Medical Center, Cleveland, OH, 2003.
276. **Rote NS**, Das M, Chakrabarti S. Annexin A5 participates in intercellular fusion. Poster Presentation, 6th Annual Research Days, Charles H. Rammekamp, Jr. Center for Education and Research, MetroHealth Medical Center, Cleveland, OH, 2003.
277. **Rote NS**, Das M, Chakrabarti S, Xu B, Lin L. Intercellular fusion in a model of human cytotrophoblast: roles of phosphatidylserine and annexins A5 and A2. Poster Presentation, Society for Gynecologic Investigation, Houston, TX, 2004.
278. **Rote NS**, Das M, Chakrabarti S, Xu B, Lin L. Phosphatidylserine Efflux and Intercellular Fusion in a BeWo Model of Human Villous Cytotrophoblast. Poster Presentation, Society for Gynecologic Investigation, Houston, TX, 2004.
279. Amesse LS, **Rote NS**, Pfaff-Amesse T, Zhang Y-M. The orphan nuclear receptor SF-1 as a novel regulator of HOX A11. Poster Presentation, Society for Gynecologic Investigation, Houston, TX, 2004.
280. González F, Kirwan JP, **Rote NS**. Glucose stimulates excessive reactive oxygen species generation by mononuclear cells of women with polycystic ovary syndrome. Oral Presentation, Society for Gynecologic Investigation, Houston, TX, 2004. **Abstract published** in *Journal of the Society for Gynecologic Investigation*, 11:176A, 2004.
281. González F, **Rote NS**, Kirwan JP. Obesity in reproductive age women is associated with altered TNF α release from mononuclear cells during glucose challenge. American Diabetes Association, Orlando, FL, 2004. **Abstract published** in *Diabetes*, 53:A567, 2004.
282. **Rote NS**, Das M, Chakrabarti S, Xu B, Lin L. The roles of phosphatidylserine and annexins in placental trophoblast intercellular fusion. Poster Presentation, Research ShowCASE 2004, Case Western Reserve University, Cleveland, OH, 2004.
283. Wei B-R, Das M, Xu B, Lin L, Chakrabarti S, **Rote NS**. Control of phosphatidylserine efflux and intercellular fusion in human villous cytotrophoblast. Poster Presentation, Research ShowCASE 2004, Case Western Reserve University, Cleveland, OH, 2004.
284. Chakrabarti S, Stetzer B, **Rote NS**. Is pregnancy really caused by a virus? Poster Presentation, Research ShowCASE 2004, Case Western Reserve University, Cleveland, OH, 2004.
285. **Rote NS**, Das M, Chakrabarti S, Xu B, Lin L. The roles of phosphatidylserine and annexins in placental trophoblast intercellular fusion. Oral Presentation, American Society for Reproductive Immunology, St. Louis, MO, 2004.
286. **Rote NS**, Chakrabarti S, Stetzer B. Placental endogenous retroviruses. Poster Presentation, American Society for Reproductive Immunology, St. Louis, MO, 2004.
287. **Rote NS**, Chakrabarti S, Stetzer B. Endogenous retroviral contribution to villous cytotrophoblast differentiation. Poster Presentation, Placental Association of the Americas, Asilomar, CA, 2004. **Abstract published** in *Placenta*, 25:A25, 2004
288. González F, Minium J, Kirwan JP, **Rote NS**. Glucose exposure *in vitro* stimulates excessive TNF α release from mononuclear cells of women with polycystic ovary syndrome. Poster Presentation, American Society of Reproductive Medicine, Philadelphia, PA, 2004. **Abstract published** in *Fertility and Sterility*, 82 (Suppl 2):S312-313, 2004.
289. González F, Minium J, **Rote NS**, Kirwan JP. Differential lipopolysaccharide-stimulated TNF α release from mononuclear cells of normal weight versus obese women with polycystic ovary syndrome in response to *in vivo* glucose challenge. Oral Presentation, American Society of Reproductive Medicine, Philadelphia, PA, 2004. **Abstract published** in *Fertility and Sterility*, 82 (Suppl 2):S84, 2004.
290. **Rote NS**. Monoclonal antiphosphatidylserine antibodies prevent the invasion of JAR choriocarcinoma through Matrigel coated filters. Poster Presentation, International Congress on Antiphospholipid Antibodies, Sydney, Australia, 2004.
291. **Rote NS**, Chakrabarti S, Das M. Intercellular fusion in BeWo. Poster Presentation, European Placenta Group and the International Federation of Placental Associations, Glasgow, Scotland, 2005. **Abstract published** in *Placenta*, 26:A69, 2005.
292. Wei B-R, Xu C, Yu Y, **Rote NS**. Expression of apoptosis-related proteins in BeWo during differentiation. Poster Presentation, European Placenta Group and the International Federation of Placental Associations, Glasgow, Scotland, 2005.
293. González F, Kirwan JP, Minium J, Gaiser H, **Rote NS**. Hyperglycemia stimulates activation of NF κ B in mononuclear cells of women with polycystic ovary syndrome. Oral Presentation, American Society of Reproductive Medicine, Montreal, Canada, 2005. **Abstract published** in *Fertility and Sterility*, 84 (Suppl 1):S9-10, 2005.
294. González F, **Rote NS**, Minium J, Kirwan JP. Hyperglycemia-induced inflammation is a stimulus for arterogenesis in polycystic ovary syndrome. Oral Presentation, Society for Gynecologic Investigation, Toronto, Canada, 2006. **Abstract published** in *Journal of the Society for Gynecologic Investigation*, 13:70A, 2006.
295. González F, **Rote NS**, Minium J, Kirwan JP. Hyperglycemia alters IL-6 release in mononuclear cells of obese reproductive age women. North American Organization for the Study of Obesity, Boston, MA, 2006. Abstract published in *Obesity* 14 (1 Suppl): , 2006.
296. González F, **Rote NS**, Minium J, Kirwan JP. Altered lipopolysaccharide-stimulated IL-6 release from mononuclear cells of women with polycystic ovary syndrome in response to hyperglycemia: evidence of LPS tolerance. American Society for Reproductive Medicine, New Orleans, LA, 2006. **Abstract published** in *Fertil Steril* 86 (2 Suppl): , 2006.
297. González F, **Rote NS**, Minium J, Kirwan JP. *In vitro* evidence that hyperglycemia stimulates increased IL-6 release from mononuclear cells of obese women with polycystic ovary syndrome. American Society for Reproductive Medicine, New Orleans, LA, 2006. **Abstract published** in *Fertil Steril* 86 (2 Suppl): , 2006.
298. González F, **Rote NS**, Minium J, Kirwan JP. Hyperglycemia stimulates proatherogenic inflammation pathways in polycystic ovary syndrome. American Society for Reproductive Medicine, New Orleans, LA, 2006. **Abstract published** in *Fertil Steril* 86 (2 Suppl): , 2006.
299. González F, **Rote NS**, Minium J, Kirwan JP. Hyperandrogenism is related to reactive oxygen species generation from pre-activated leukocytes in polycystic ovary syndrome. Oral presentation, Society for Gynecologic Investigation, Reno, NV, 2007. **Abstract published** in *J Soc Gynecol Invest* 13 (2 Suppl): , 2007.
300. González F, **Rote NS**, Minium J, Kirwan JP. Insulin sensitivity and hyperandrogenism in polycystic ovary syndrome are related to activated nuclear factor κ B from mononuclear cells in the fasting state. Endocrine Society, Toronto, Ontario, Canada, Submitted.
301. **Rote NS**, Wei B-R, Xu C, Chernicky C. Annexin A5 and trophoblast differentiation. Poster presentation, International Congress on Antiphospholipid Antibodies, Florence, Italy.

X.B. BOOKS AND BOOK CHAPTERS

1. Scott JR, **Rote NS**. *Immunology in Obstetrics and Gynecology*, Appleton-Century-Crofts, Norwalk, CT, 1985.
2. **Rote NS**. Components of the immune system. In *Immunology in Obstetrics and Gynecology*, (eds JR Scott, NS Rote), Appleton-Century-Crofts, Norwalk, CT, pp 1-26, 1985.
3. **Rote NS**. The immune response. In *Immunology in Obstetrics and Gynecology*, (eds JR Scott, NS Rote), Appleton-Century-Crofts, Norwalk, CT, pp 27-54, 1985.
4. **Rote NS**. Maternal-fetal immunology. In *Immunology in Obstetrics and Gynecology*, (eds JR Scott, NS Rote), Appleton-Century-Crofts, Norwalk, CT, pp 55-76, 1985.
5. Urry RL, Caudle MR, **Rote NS**. Autoimmune infertility and recurrent abortion. In *Immunology in Obstetrics and Gynecology*, (eds JR Scott, NS Rote), Appleton-Century-Crofts, Norwalk, CT, pp 77-106, 1985.
6. Thurnau GR, **Rote NS**. Reproductive immunology. In *Gynecology and Obstetrics*, (ed J Sciarra), Vol 3, Harper and Row, Philadelphia, PA, Chapter III, pp 1-14, 1985.
7. **Rote NS**. Immune complexes and vasculitis. In *Principles of Medical Therapy in Pregnancy*, (ed-in-chief N Gleicher), Plenum, New York, NY, Chapter 145, pp 981-989, 1985.
8. **Rote NS**. Summation of plenary session #6: Immunotherapeutic methods for altering reproductive success. In *Reproductive Immunology 1986*, Proceedings of the 3rd International Congress of Reproductive Immunology, (eds DA Clark, BA Croy), Elsevier Science Publishers, Amsterdam, pp 236-238, 1986.
9. **Rote NS**. Mechanisms of self-defense. In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, pp 190-191, 1990.
10. **Rote NS**. Immunity. In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, pp 192-216, 1990.
11. **Rote NS**. Inflammation. In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, pp 217-248, 1990.
12. **Rote NS**. Immune diseases and disorders. In *Pathophysiology: The Biological Basis for Diseases in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, pp 249-278, 1990.
13. **Rote NS**. Alloimmune causes of recurrent pregnancy loss: diagnosis and immunotherapy. In *Immunological Obstetrics* (eds CB Coulam, WP Faulk, JA McIntyre), WW Norton & Co., NY, Chapter 28, pp 412-427, 1992.
14. **Rote NS**. Mechanisms of self-defense. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, pp 202-204, 1994.
15. **Rote NS**. Immunity. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, pp 205-233, 1994.
16. **Rote NS**. Inflammation. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, pp 234-267, 1994.
17. **Rote NS**. Immune diseases and disorders. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, pp 268-298, 1994.
18. **Rote NS**. Immunity. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, Chapter 5, pp 121-145, 1996.
19. **Rote NS**. Inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, Chapter 6, pp 146-175, 1996.
20. **Rote NS**, Huether SE, McCance KL. Infections and alterations in immunity and inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, Chapter 7, pp 176-214, 1996.
21. **Rote NS**. Immunity. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 6, pp 174-204, 1998.
22. **Rote NS**. Inflammation. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 7, pp 205-236, 1998.
23. **Rote NS**. Infections and alterations in immunity and inflammation. Immune diseases and disorders. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 8, pp 237-285, 1998.
24. **Rote NS**. Immunity. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, Chapter 5, pp 125-150, 2000.
25. **Rote NS**. Inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, Chapter 6, pp 151-179, 2000.
26. **Rote NS**, Huether SE, McCance KL. Infections and alterations in immunity and inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **2nd Edition**, Chapter 7, pp 180-220, 2000.
27. **Rote NS**. Immunity. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **4th Edition**, Chapter 6, pp 180-210, 2002.
28. **Rote NS**. Inflammation. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **4th Edition**, Chapter 7, pp 211-242, 2002.
29. **Rote NS**. Infections and alterations in immunity and inflammation. Immune diseases and disorders. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **4th Edition**, Chapter 8, pp 243-291, 2002.
30. **Rote NS**. Immunity. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 5, pp 127-152, 2004.
31. **Rote NS**, Huether SE. Inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 6, pp 153-180, 2004.
32. **Rote NS**, Huether SE, McCance KL. Hypersensitivities, Infection, and Immunodeficiencies. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **3rd Edition**, Chapter 7, pp 181-220, 2004.
33. Trask B, **Rote NS**, Huether SE. Innate immunity: inflammation. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **5th Edition**, Chapter 6, pp 175-210, 2006.
34. **Rote NS**, Trask B. Adaptive immunity. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **5th Edition**, Chapter 7, pp 211-248, 2006.
35. **Rote NS**. Alterations in immunity and inflammation. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **5th Edition**, Chapter 8, pp 249-292, 2006

36. **Rote NS**, SE Huether. Infection. In *Pathophysiology: The Biological Basis for Disease in Adults and Children*, (eds K McCance, S Huether), C.V. Mosby Co., St. Louis, MO, **5th Edition**, Chapter 9, pp 293-309, 2006.
37. **Rote NS**. Innate Defenses: Inflammation. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, Chapter 5, pp 121-144, In Press.
38. **Rote NS**. Immunity. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, Chapter 6, pp 145- 168, In Press.
39. **Rote NS**. Hypersensitivities, Infection, and Immune Deficiencies. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, Chapter 7, In Press.
40. **Rote NS**, McCance KL, Mansen TJ. Structure and Function of the Hematologic System. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, Chapter 19, In Press
41. **Rote NS**, McCance KL, Mansen TJ. Alterations of hematologic Function. In *Understanding Pathophysiology*, (eds SE Huether, KL McCance), C.V. Mosby Co., St. Louis, MO, **4rd Edition**, Chapter 20, In Press

X.C. PEER-REVIEWED PUBLICATIONS

1. Nowotny A, Grohsmann J, Abdelnoor A, **Rote N**, Yang C, Waltersdorff R. Escape of TA3 tumors from allogenic immune rejection: Theory and experiments. *European Journal of Immunology*, 4:73-78, 1974.
2. Nowotny A, Chang CM, Chen CH, Grohsmann J, Liang N, Ng AK, **Rote N**, Thompson JJ, Yang-Ko C. Endotoxin-induced tumor resistance. In *Gram Negative Bacterial Infections*, (eds B Urbaschek, R Urbaschek, E Neter), Springer-Verlag, Wien, pp 210-215, 1975.
3. **Rote NS**. Zur Biologischen Bedeutung Verscheidener Zellwand-Praeparationen Gramnegativer Bakterien (On the biological meaning of different cell wall preparations of Gram-negative bacteria). *Zentralblatt für Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene* (Erste Abteilung Originale A: Medizinische Mikrobiologie und Parasitologie), 235(1-3):36-41, 1976.
4. **Rote NS**, Gupta RK, Morton DL. Tumor-associated antigens detected by autologous sera in urine of patients with solid neoplasms. *Journal of Surgical Research*, 29:18-22, 1980.
5. **Rote NS**, Gupta RK, Morton DL. Determination of incidence and partial characterization of tumor-associated antigens found in the urine of patients bearing solid tumors. *International Journal of Cancer*, 26:203-210, 1980.
6. **Rote NS**, Smith WG, Johnson GH. Detection of tumor-associated antigens in the urine of gynecological cancer patients. *Gynecologic Oncology*, 9:370-375, 1980.
7. **Rote NS**, Taylor NL, Shigeoka AO, Scott JR, Hill HR. Enzyme-linked immunosorbent assay (ELISA) for group B streptococcal antibodies. *Infection and Immunity*, 27:118-123, 1980.
8. Bale JF, **Rote NS**, Bloomer JC, Bray PF. Guillain-Barre-like polyneuropathy after renal transplant: Possible association with Cytomegalovirus infection. *Archives of Neurology*, 37:384, 1980.
9. **Rote NS**, Bloomer LC, Bray PF. An ultramicro complement fixation test for antiviral antibodies in the cerebrospinal fluid of multiple sclerosis patients. In *Microbiology - 1981*, (ed D Schlessinger), ASM Press, pp 297-300, 1981.
10. Santos JI, Shigeoka AO, **Rote NS**, Hill HR. Protective efficacy of a modified immune serum globulin in experimental group B streptococcal infection. *Journal of Pediatrics*, 99:873-879, 1981.
11. Scott JR, Anstall HB, **Rote NS**, Kochenour NK, Beeson JH. Effect of plasma exchange and immunosuppression on Rho(D), viral and bacterial antibody titers in Rh immunized women: Plasma exchange and immunosuppression. *American Journal of Reproductive Immunology*, 2:46-49, 1982.
12. Scott JR, **Rote NS**. Antisperm antibodies in infertility and treatment. *Fertility and Sterility*, 37:452, 1982.
13. Chamberlain EM, Scott JR, Wu JT, **Rote NS**, Egger M. A comparison of acid elution techniques and alpha-fetoprotein levels for the detection of fetomaternal bleeding. *American Journal of Obstetrics and Gynecology*, 143:912-917, 1982.
14. Hill HR, Santos JI, Shigeoka AO, **Rote NS**. Immunotherapy of experimental group B streptococcal infection. In *Basic Concepts of Streptococci and Streptococcal Diseases*, (eds SE Holm, P Christensen), Reedbooks Ltd., Chertsey, pp 324-325, 1982.
15. **Rote NS**. Pathophysiology of Rh isoimmunization. In *Isoimmunization in Pregnancy*, (ed JR Scott), *Clinical Obstetrics and Gynecology*, 25:243-253, 1982.
16. **Rote NS**, Caudle MR. Detection of circulating immune complexes with a Raji cell enzyme immunoassay. *Journal of Immunological Methods*, 56:33-42, 1983.
17. Scott JR, **Rote NS**, Cruikshank DP. Antiplatelet antibodies and platelet counts in pregnancies complicated by autoimmune thrombocytopenic purpura. *American Journal of Obstetrics and Gynecology*, 145:932-939, 1983.
18. **Rote NS**, Nielsen, KG, Nielson VD, Hill HR, Scott JR. Studies by enzyme linked immunosorbent assay (ELISA) of anti-platelet antibody and transient neonatal thrombocytopenic purpura. *American Journal of Reproductive Immunology*, 3:178-182, 1983.
19. Shigeoka AO, **Rote NS**, Santos JI, Hill HR. Assessment of the virulence factors of group B streptococci, I. Correlation with sialic acid content. *Journal of Infectious Diseases*, 147:857-863, 1983.
20. Caudle MR, **Rote NS**, Scott JR, Barney MF, DeWitt C. Histocompatibility in couples with recurrent abortion and normal fertility. *Fertility and Sterility*, 39:793-798, 1983.
21. **Rote NS**, Caudle MR. Circulating immune complexes in pregnancy, pre-eclampsia and autoimmune diseases: evaluation of Raji cell ELISA and polyethylene glycol precipitation methods. *American Journal of Obstetrics and Gynecology*, 147:267-273, 1983.
22. Shigeoka AO, Pincus SH, **Rote NS**, Hill HR. Protective effect for hybridoma type-specific antibody against experimental group B streptococcal infection. *Journal of Infectious Diseases*, 149:363-372, 1984.
23. Shigeoka AO, Pincus SH, **Rote NS**, Pritchard DG, Santos JI, Hill HR. Monoclonal antibody preparations for immunotherapy of experimental group B streptococcal infection. In *Antibiotics and Chemotherapy: Neonatal Group B Streptococcal Infections*, (eds KK Christensen, P Christensen, P Ferrieri, V Linden) Churchill Livingstone, Edinburgh, 35:254-266, 1985.
24. Hill HR, Shigeoka AO, **Rote NS**, Allred CD, Hemming VG. Methods of assessment and importance of opsonic activity for group B streptococci. In *Antibiotics and Chemotherapy: Neonatal Group B Streptococcal Infections*, (eds KK Christensen, P Christensen, P Ferrieri, V Linden), Churchill Livingstone, Edinburgh, 35:157-169, 1985.
25. **Rote NS**, Lau RJ. Immunologic thrombocytopenia purpura. In *Coagulopathies in Pregnancy*, (ed C Wiener), *Clinical Obstetrics and Gynecology*, 28:84-100, 1985.
26. Yin CS, **Rote NS**. Circulating immune complexes in the patients with lupus anticoagulant and repeated pregnancy loss. *Journal of Obstetrics and Gynecology of the Republic of China*, 25:80-89, 1986.
27. Branch DW, **Rote NS**, Dostal DA, Scott JR. The specificity lupus anticoagulant antiphospholipid antibodies using a new enzyme-linked immunoabsorbant assay. *Annals of the New York Academy of Sciences*. Autoimmunity: Experimental and Clinical Aspects, 475:370-372, 1986.

28. **Rote NS**, Harrison M, Lau RJ, Scott JR. Thrombocytopenia in pregnancy- induced hypertension: IgG and IgM on maternal and umbilical cord platelets. *Annals of the New York Academy of Sciences. Autoimmunity: Experimental and Clinical Aspects*, 475:373-375, 1986.
29. Branch DW, **Rote NS**, Scott JR. The demonstration of the lupus anticoagulant by an enzyme-linked immunosorbant assay (ELISA). *Clinical Immunology and Immunopathology*, 39:296-307, 1986.
30. Kochenour NK, Branch DW, **Rote NS**, Scott JR. A new postpartum syndrome associated with antiphospholipid antibodies. *Obstetrics and Gynecology*, 69:460-468, 1987.
31. Branch DW, **Rote NS**, Dostal D, Scott JR. Association of lupus anticoagulant with antibody against phosphatidylserine. *Clinical Immunology and Immunopathology*, 42:63-75, 1987.
32. **Rote NS**, Lau RJ, Harrison M, Branch DW, Scott JR. Platelet-binding immunoglobulins in pregnancy-induced hypertension. I. Platelet-associated IgM on fetal platelets: evidence of a fetal autoimmune reaction? *Journal of Reproductive Immunology*, 10:261-272, 1987.
33. **Rote NS**, Harrison M, Scott JR. Platelet-binding immunoglobulins in pregnancy-induced hypertension. II. Origin of circulating antiplatelet antibodies in the umbilical cord serum. *Journal of Reproductive Immunology*, 10:273-284, 1987.
34. Scott JR, **Rote NS**, Branch DW. Immunologic aspects of recurrent abortion and fetal death. *Obstetrics and Gynecology*, 70:645-656, 1987.
35. **Rote NS**, Harrison M, Lau RJ, Scott JR. Thrombocytopenia in pregnancy-induced hypertension. *Obstetrics and Gynecology Survey*, 42:291-293, 1987.
36. **Rote NS**, Dostal DA. Is endometriosis an autoimmune disease? *Obstetrics and Gynecology*, 71:280-281, 1988.
37. Branch DW, Andres R, Digre KB, **Rote NS**, Scott JR. The association of antiphospholipid antibodies with severe preeclampsia. *Obstetrics and Gynecology*, 73:541-545, 1989.
38. **Rote NS**. Pregnancy-associated immunological disorders. In *Immunology of Reproduction*. (ed P Johnson). Current Science Ltd, London, *Current Opinion in Immunology*, 1:1165-1172, 1989.
39. **Rote NS**, Ng AK, Ault KA, Carmody M, Dostal-Johnson DA, Mitchell J, Ng S, Roberts R, Siekman R. Antiphospholipid antibodies and recurrent pregnancy loss: analysis of monoclonal and polyclonal antiphosphatidylserine antibodies. In *Reproductive Immunology 1989*, (eds L Mettler, WD Billington) Elsevier Science Publishers, Amsterdam, pp 217-226, 1990.
40. Dostal-Johnson D, **Rote NS**, Branch DW. IgG1 and IgG2 are the predominant subclasses of antiphospholipid antibody in women with the lupus anticoagulant. *Clinical Immunology and Immunopathology*, 54:309-319, 1990.
41. Coulam CB, McIntyre JA, Wagenknecht D, **Rote N**. Interlaboratory inconsistencies in detection of anticardiolipin antibodies. *Lancet*, 335:865, 1990.
42. **Rote NS**, Dostal-Johnson D, Branch DW. Antiphospholipid antibodies and recurrent pregnancy loss: Correlation between the activated partial thromboplastin time and antibodies against phosphatidylserine and cardiolipin. *American Journal of Obstetrics and Gynecology*, 163:575-584, 1990.
43. Carmody MB, Ault KA, Mitchell JG, **Rote NS**, Ng AK. Production of monoclonal antibodies specific for platelet activation antigens and their use in evaluating platelet function. *Hybridoma*, 9:631-641, 1990.
44. **Rote NS**. Transplacental alteration of fetal coagulation: antiphospholipid and antiplatelet antibodies. In *Transplacental Disorders: Perinatal Detection, Treatment, and Management (including Pediatric AIDS)*, (eds R Bellisario, GJ Mizejewski), Alan R. Liss, Inc., New York, pp 95-120, 1990.
45. **Rote NS**. Antiphospholipid antibodies and disorders of pregnancy. *Journal of Clinical Immunoassays*, 13:34-42, 1990.
46. Haddow JE, **Rote NS**, Dostal-Johnson D, Palomaki GE, Pulkkinen AJ, Knight GJ. Lack of an association between late fetal death and antiphospholipid antibody measurements in the second trimester. *American Journal of Obstetrics and Gynecology*, 165:1308-1312, 1991.
47. Lyden TW, Vogt E, Ng AK, Johnson PM, **Rote NS**. Monoclonal antiphospholipid antibody reactivity against human placental trophoblast. *Journal of Reproductive Immunology*, 22:1-14, 1992.
48. **Rote NS**, Walter A, Lyden TW. Antiphospholipid antibodies: lobsters or red herrings? *American Journal of Reproductive Immunology*, 28:31-37, 1992.
49. **Rote NS**, Ng AK, Dostal-Johnson DA, Nicholson SL, Siekman R. Immunologic detection of phosphatidylserine externalization during thrombin-induced platelet activation. *Clinical Immunology and Immunopathology*, 66:193-200, 1993.
50. **Rote NS**. Alloantibodies, autoantibodies, and disorders of pregnancy. In *CRC Monographs: Immunology of Reproduction*, (ed R Naz), CRC Press, Boca Raton, FL, Chapter 8, pp 145-168, 1993.
51. Lyden TW, Ng AK, **Rote NS**. Modulation of phosphatidylserine epitope expression on BeWo cells during forskolin treatment. *Placenta*, 14:177-186, 1993.
52. **Rote NS**, Lyden TW, Vogt E, Adler RR, Chang J, Katsuragawa H, Lin L, Ng AK, Nicholson S, Patel PN, Shroyer L, Ponder D. Expression of phosphatidylserine epitopes during trophoblast membrane fusion: an alternative hypothesis for antiphospholipid antibody associated pregnancy disorders. In *Reproductive Immunology*, (eds F Dondero, PM Johnson), Serono Symposia Publications, Raven Press, New York, 97:281-284, 1993.
53. Lyden TW, Johnson PM, Mwenda JM, **Rote NS**. Ultrastructural characterization of endogenous retroviral particles isolated from normal human placentas. *Biology of Reproduction*, 51:152-157, 1994.
54. **Rote NS**, Lyden TW, Vogt E, Ng AK. Antiphospholipid antibodies and placental development. In *Immunobiology of Reproduction*, (ed JS Hunt), Springer-Verlag, New York, Chapter 18, pp 285-302, 1994.
55. Lyden TW, Johnson PM, Mwenda J, **Rote NS**. Anti-HIV monoclonal antibodies cross-react with normal human trophoblast. In *HIV, Perinatal Infections and Therapy: The Role of the Placenta*. (eds RK Miller, HA Thiede), University of Rochester Press, Rochester, NY, *Trophoblast Research*, 8:19-32, 1994.
56. **Rote NS**. The research funding crunch: crisis or opportunity? *The Investigator* 2:1-3, 1995.
57. Menon R, Swan KF, Lyden TW, **Rote NS**, Fortunato SJ. Expression of inflammatory cytokines (IL-1 β and IL-6) in amniochorion. *American Journal of Obstetrics and Gynecology*, 177:493-500, 1995.
58. Lin L, Shroyer L, Walter A, Lyden TW, Ng AK, **Rote NS**. Monoclonal IgM antiphosphatidylserine antibody reacts against cytoskeleton-like structures in cultured human umbilical cord endothelial cells. *American Journal of Reproductive Immunology*, 33:97-107, 1995.
59. **Rote NS**, Chang J, Katsuragawa H, Ng AK, Lyden TW, Mori T. Expression of phosphatidylserine-dependent antigens on the surface of differentiating BeWo human choriocarcinoma cells. *American Journal of Reproductive Immunology*, 33:114-121, 1995.
60. Katsuragawa H, **Rote NS**, Inoue T, Narukawa S, Kanzaki H, Mori T. Monoclonal antiphosphatidylserine antibody reactivity against human first-trimester placental trophoblasts. *American Journal of Obstetrics and Gynecology*, 172:1592-1597, 1995.
61. Lyden TW, Johnson PM, Mwenda JM, **Rote NS**. Expression of endogenous HIV-1 crossreactive antigens within normal human extravillous trophoblast cells. *Journal of Reproductive Immunology*, 28:233-245, 1995.
62. **Rote NS** Ng AK. Anti-phospholipid antibodies and the placenta. In *Immunology of Human Reproduction*, (eds M Kurpisz, N Fernandez), Bios Scientific Publishers, Oxford, Chapter 21, pp 377-400, 1995.

63. Adler RR, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibody inhibits intercellular fusion of the choriocarcinoma line, JAR. *Biology of Reproduction*, 53:905-910, 1995.
64. Obringer AR, **Rote NS**, Walter A. Antiphospholipid antibody binding to bilayer-coated glass microspheres. *Journal of Immunologic Methods*, 185:81-93, 1995.
65. Vogt E, Ng AK, **Rote NS**. A model for the antiphospholipid antibody syndrome: monoclonal antiphosphatidylserine antibody induces intrauterine growth restriction in mice. *American Journal of Obstetrics and Gynecology*, 174:700-707, 1996.
66. **Rote NS**. Antiphospholipid antibodies and recurrent pregnancy loss. *American Journal of Reproductive Immunology*, 35:394-401, 1996.
67. **Rote NS**. Case study: the utilization of patients to teach immunology in a primary care-oriented curriculum. In *Innovations in Medical Science Teaching*, (eds K Exley, R Dennick), Staff and Education Development Association, Nottingham, England, pp151-155, 1996.
68. Katsuragawa H, Kanzaki H, Inoue T, Hirano T, Mori T, **Rote NS**. Monoclonal antibody against phosphatidylserine inhibits in vitro human trophoblastic hormone production and invasion. *Biology of Reproduction*, 56:50-58, 1997.
69. Obringer AR, Dean KW, Channel S, **Rote NS**. Membrane phospholipid translocase activity in JEG-3, a choriocarcinoma model of cytotrophoblast differentiation. *Placenta*, 18:421-426, 1997.
70. Kent MN, Alvarez F, Vogt E, Fyffe R, Ng AK, **Rote NS**. Monoclonal antiphosphatidylserine antibodies react directly with feline and murine central nervous system. *Journal of Rheumatology*, 24:1725-1733, 1997.
71. **Rote NS**. Antiphospholipid antibodies other than lupus anticoagulant and anticardiolipin antibodies in women with recurrent pregnancy loss, fertile controls, and antiphospholipid syndrome. *Obstetrics and Gynecology*, 90:642-643, 1997.
72. Vogt E, Ng AK, **Rote NS**. Antiphosphatidylserine antibody removes annexin V and facilitates the binding of prothrombin at the surface of a choriocarcinoma model of trophoblast differentiation. *American Journal of Obstetrics and Gynecology*, 177:964-972, 1997.
73. **Rote NS**. Antiphospholipid antibodies and annexin V. *New England Journal of Medicine*, 337:1630-1631, 1997.
74. **Rote NS**. Antiphospholipid antibodies and placental development. *Fetal and Maternal Medicine Review*, 9:181-197, 1997.
75. **Rote NS**, Vogt E, DeVere G, Obringer AR, Ng AK. The role of placental trophoblast in the pathophysiology of the antiphospholipid antibody syndrome. *American Journal of Reproductive Immunology*, 39:125-136, 1998.
76. **Rote NS**, Vogt E, Awaloei H. Antiphospholipid antibodies and preterm labor. *Perinatal and Neonatal Medicine*, 3:68-71, 1998.
77. **Rote NS**, Lin L, Xu B. The expression of ERV-3 mRNA in a choriocarcinoma model of trophoblastic differentiation. In *New Directions in Placental Research*. (eds AM Carter, HA Thiede), University of Rochester Press, Rochester, NY, *Trophoblast Research*, 12:315-326, 1998.
78. Ran S, Gao B, Duffy S, Watkins L, **Rote N**, Thorpe PE. Infarction of solid Hodgkin's tumors in mice by antibody-directed targeting of tissue factor to tumor vasculature. *Cancer Research*, 58:4646-4653, 1998.
79. Langat DK, Sichangi M, **Rote NS**, Kent M, Omollo EO, Chai D, Njenga MN, Nyaudi J, Mwenda JM. The prevalence of antiphospholipid antibodies and foetal loss in a non-human primate colony in Kenya. *Journal of Obstetrics and Gynecology of Eastern and Central Africa*, 14:55-61, 1998.
80. Langat DK, Johnson PM, **Rote NS**, Owiti GO, Wango EO, Mwenda JM. Immunohistochemical characterisation of retroviral-related antigens expressed in normal baboon placental tissues. *Journal of Medical Primatology* 27:278-286, 1998.
81. Lin L, Xu B, **Rote NS**. Expression of the endogenous retrovirus-3 (ERV-3) induces differentiation of BeWo, a choriocarcinoma model of human placental trophoblast. *Placenta*, 20:109-118, 1999.
82. Coulam CB, Branch DW, Clark DA, Gleicher N, Kutteh W, Lockshin MD, **Rote NS**. American Society for Reproductive Immunology: report of the Committee for Establishing Criteria for Diagnosis of Reproductive Autoimmune Syndrome. *American Journal of Reproductive Immunology*, 41:121-132, 1999.
83. Kutteh WH, **Rote NS**, Silver R. Antiphospholipid antibodies and reproduction: the antiphospholipid antibody syndrome. *American Journal of Reproductive Immunology*, 41:133-152, 1999.
84. Langat DK, Johnson PM, **Rote NS**, Wango EO, Owiti GO, Isahakia MA, Mwenda JM. Biochemical characterization of retroviral-related antigens expressed in normal baboon placental tissue. *Journal of Reproductive Immunology*, 42:41-58, 1999.
85. Mwenda JM, Johnson PM, **Rote NS**, Langat DK, Flanagan BF. Molecular characterization of a putative endogenous retrovirus cDNA isolated from human placental tissue. *African Journal of Health Sciences*, 6:40-46, 1999.
86. Xu B, Lin L, **Rote NS**. Identification of a stress-induced protein during human trophoblast differentiation by differential display analysis. *Biology of Reproduction*, 61:681-686, 1999.
87. Lin L, Xu B, **Rote NS**. The cellular mechanism by which the human endogenous retrovirus ERV-3 *env* gene affects proliferation and differentiation in a human placental trophoblast model, BeWo. *Placenta*, 21:73-78, 2000.
88. Kent MN, Alvarez FJ, **Rote NS**. Ultrastructural localization of monoclonal antiphospholipid antibodies binding to myelin and ependymal cilia of rat brain. *Experimental Neurology*, 163:173-179, 2000.
89. Huppertz B, **Rote NS**, Nelson DM, Reister F, Black S, Hunt JS. Apoptosis: molecular control of placental function; a workshop report. *Placenta*, 22:S101-103, 2001.
90. Guilbert ALJ, Winkler-Lowen B, Sherburne R, **Rote NS**, Li H, Morrish DW. Preparation and functional characterisation of villous cytotrophoblasts free of syncytial fragments. *Placenta*, 23:175-183, 2002.
91. **Rote NS**. Recurrent pregnancy loss with antiphospholipid antibody. *Obstetrics and Gynecology*, 100:173-174, 2002.
92. Zhang YM, Xu B, **Rote NS**, Peterson L, Amesse L. Expression of homeobox gene transcripts in trophoblastic cells. *American Journal of Obstetrics and Gynecology*, 187:24-32, 2002.
93. **Rote NS**, Stetzer B. Autoimmune disease as a cause of reproductive failure. In *Prenatal Testing*, ed J. Canick, Clinics in Laboratory Medicine, 23:265-293, 2003.
94. Das M, Xu B, Lin L, Chakrabarti S, Shivaswamy V, **Rote NS**. Phosphatidylserine efflux and intercellular fusion in a BeWo model of human villous cytotrophoblast. *Placenta*, 25:396-407, 2004.
95. **Rote NS**, Chakrabarti S, Stetzer B. The role of endogenous retroviruses in human placental development. *Placenta*, 25:673-683, 2004.
96. **Rote NS**. Intercellular fusion of BeWo. *Placenta*, 26:686-687, 2005.
97. González F, **Rote NS**, Minium J, Kirwan JP. Hyperglycemia alters tumor necrosis factor- α release from mononuclear cells in women with polycystic ovary syndrome. *Journal of Clinical Endocrinology and Metabolism*, 90:5336-5342, 2005 (Epub June 28, 2005).
98. González F, Minium J, **Rote NS**, Kirwan JP. Altered tumor necrosis factor- α release from mononuclear cells of obese reproductive age women during hyperglycemia. *Metabolism* 55:271-277, 2006.
99. González F, **Rote NS**, Minium J, Kirwan JP. Reactive oxygen species-induced oxidative stress in the development of insulin resistance and hyperandrogenism in polycystic ovary syndrome. *Journal of Clinical Endocrinology and Metabolism*, 91:336-340, 2006.
100. González F, **Rote NS**, Minium J, Kirwan JP. *In vitro* evidence that hyperglycemia stimulates tumor necrosis factor- α release in obese women with polycystic ovary syndrome. *Journal of Endocrinology*, 188:521-529, 2006.
101. González F, **Rote NS**, Minium J, Kirwan JP. Increased activation of nuclear factor κ B triggers inflammation and insulin resistance in polycystic ovary syndrome. *Journal of Clinical Endocrinology and Metabolism*, 91:1508-1512, 2006.

102. Alpin JD, Straszewski-Chavez SL, Kalionis B, Dunk C, Morrish D, Forbes K, Baczyk D, **Rote N**, Malassine A, Knofler M. Trophoblast differentiation: progenitor cells, fusion, and migration: A workshop report. In *Trophoblast Research Placenta: From Molecule to Morphology to Mother*. (eds F Lyall, G Desoye, K Shiverick), Elsevier Ltd., Amsterdam, *Placenta (Suppl 1)*:141-143, 2006.
103. González F, **Rote NS**, Minium J, O'Leary VB, Kirwan JP. Obese reproductive age women exhibit a proatherogenic inflammatory response during hyperglycemia. *Obesity*, In press.
104. Li X, Qi X, Zhou L, Catera D, **Rote NS**, Potashkin J, Abdul-Karim FW, Gorodeski GI. Decreased expression of P2X₇ in endometrial epithelial pre-cancerous and cancer cells. *Gynecologic Oncology*. In press.
105. Wei B-R, Xu C, Chernicky CL, **Rote NS**. Altered expression of apoptotic factors during differentiation and intercellular fusion of BeWo choriocarcinoma. *Placenta*, SUBMITTED.