

CURRICULUM VITAE

Name: JEAN FRANCES LINDORFER REGAL

Personal Data:

Born: May 7, 1951, St. Paul, Minnesota

Citizenship: U.S.A.

Business Address:

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Education:

1973 B.S., Summa cum Laude, Biochemistry, University of Minnesota

1977 Ph.D., Pharmacology, University of Minnesota, December, 1977; Thesis Advisor: Dr. F. E. Shideman; Thesis Title: "The Effect of Phospholipase C on the Responsiveness of Cardiac Receptors"

1990 Summer course in "Physiology: Cell and Molecular Biology", 6/10/90-7/23/90, Marine Biological Laboratories, Woods Hole, Massachusetts.

Postgraduate Positions:

2011-Present Professor, Pharmacology; Department of Biomedical Sciences, Medical School Duluth, University of Minnesota

1997-2011 Professor, Department of Pharmacology, Department of Biochemistry & Molecular Biology, Medical School Duluth, University of Minnesota

2000-Present Director of Academic Health Center Duluth, Women's Faculty Mentoring Program

2004-2007 Associate Dean of Faculty Affairs (20%), Medical School Duluth

1985-1997 Associate Professor, Department of Pharmacology, University of Minnesota, Duluth

1981-1985 Assistant Professor, Department of Pharmacology, University of Minnesota, Duluth.

1980-1981 Research Scientist II - Kidney Disease Institute, New York State Department of Health, Albany, New York and Instructor-Department of Microbiology/Immunology, Albany Medical College, Albany, New York

1977-1980 Research Scientist I - Kidney Disease Institute, New York State Department of Health, Albany, New York and Research Fellow - Department of Microbiology and Immunology, Albany Medical College, Albany, New York; Postdoctoral advisor, Dr. Richard Pickering

PROFESSIONAL SOCIETIES AND HONORS:

Minnesota Heart Association Summer Fellowship, 1969
Society of the Sigma Xi, Thomas F. Andrews Prize, 1973
B.S., Summa cum Laude, University of Minnesota, 1973
Member, American Association of Immunologists, 1981-present
Member, American Society of Pharmacology & Experimental Therapeutics, 1983 - present
Member, Society of Toxicology, 1998 - present
 Immunotoxicology Specialty Section
 Secretary-Treasurer and Newsletter Editor, 2001-2003
 Vice President Elect, 2007-2008
 Vice President, 2008-2009
 President, 2009-2010
 Northland Chapter of SOT
 Awards Committee 2004-present
 Executive Committee 2006-2007
Associate Editor, Journal of Immunotoxicology, 2003-present
Editorial Board, Toxicological Sciences, 2010-present
Member, American Thoracic Society, 1990 - present
Member, Sigma Xi, 1988 - 2011
 President elect of local chapter 1998-1999
 President of local chapter 1999-2000
 Treasurer of local chapter 2000-2010
Basic Science Teacher of the Year, UMD Medical School, 1986
Fellow, Academy of Toxicological Sciences, 2011-present
Nominated for The Mullen/Spector/Truax Women's Leadership Award, University of Minnesota
2012

INVITED PRESENTATIONS:

National/International Symposia

ECVAM Expert Meeting: Progress in the development of New Approaches to the Identification of Respiratory Allergens. April 2-4, 2008, Ispra, Italy
Society of Toxicology, March 25, 2007, Charlotte, NC. Continuing Education presentation. "Allergy of the Respiratory Tract."
Japanese Society of Immunotoxicology, 13th annual meeting, Sept 14-15, 2006, Kurashiki, Japan. "Models and Mechanisms of Chemical respiratory allergy: Not all allergens are equal"
Shionogi & Co., Ltd, Sept 13, 2006, Osaka, Japan. "Mechanisms of Chemical Allergy"
Society of Toxicology, March, 2006, San Diego: Chair and speaker in symposium entitled "Models and Mechanisms of Occupational/Environmental Asthma": Presentation entitled 'Differential gene expression and effector mechanisms in murine models of trimellitic anhydride and ovalbumin induced asthma.'
U.S. Environmental Protection Agency, Immunotoxicogenomics Workshop, Sept 27-28, 2005, Research Triangle Park, North Carolina. "Gene expression patterns in respiratory hypersensitivity"
Society of Toxicology, 2005, Grantsmanship Forum: Alternative Funding to NIH: Being Creative, March 8, 2005.

Chair and Speaker in ASPET 97 Symposium "Biologically Active Products of the Complement System" March, 1997, San Diego, California

Chair and speaker for interdisciplinary symposium for FASEB 88 theme on Immunopharmacology - "Mediators of Hypersensitivity Reactions in the Lung," Las Vegas, Nevada. Invited speaker, "Role of C5a in hypersensitivity reactions in the lung."

Invited Speaker

University of Rochester, New York, School of Medicine and Dentistry, Lung Biology and Disease Program, Presentation entitled "Insults to the Developing Lung: Allergens, etc". March 1, 2011

Minnesota ACE Network, Networking group for women in higher education, Regional spring conference, Presentation on "How to Publish", April 18, 2008, Duluth, MN

Duluth Dental Forum, Presentation on "Asthma: Aspects of concern for Dentists", March 6, 2008, Duluth, MN

University of Minnesota AHC Fall Faculty Forum, Creating Successful Mentoring Relationships, Presented the AHC Duluth Women's Mentoring Program and participated as a panel discussant. Nov, 2, 2007, Minneapolis, MN

University of Minnesota Medical School Duluth. December 15, 2005. Stomach bugging you? The role of bacteria in ulcers. DocTalks series for the general public in conjunction with Dr. Janet Fitzakerley and Dr. Kristine Krafts.

Women's Health Research Conference 2004, Sept 13, University of Minnesota, National Center of Excellence in Women's Health. Poster presentation: Differential allergen sensitivity in the induction phase of asthma in young and adult, male and female guinea pigs.

University of Minnesota Duluth School of Medicine. April 13, 2004. Asthma Attack! Why can't I breathe? DocTalks series for the general public.

UMD Career Services and Association for Women in Science, Lake Superior Chapter, Duluth, MN, "Women Scientists and Engineers talk about Career Choices and Issues", February 10, 2004, University of Minnesota Duluth.

Continuing Medical Education Seminar, "Recent advances in the Basic Science of Asthma", Duluth, Minnesota, July 21, 2003

Association for Women in Science, Lake Superior Chapter, Duluth, MN, "Women's Mentoring Program, School of Medicine Duluth", January 23, 2003.

College of Biological Sciences Alumni Speakers Bureau, University of Minnesota, "Exploring Careers in the Life Sciences", February 5, 2003 and February, 2006.

Department of Chemistry, University of Minnesota Duluth, Nov 16, 2001. "Occupational Asthma"

Northland Chapter of Society of Toxicology. Annual Meeting, May 30, 2001. "Respiratory and Contact Sensitizers."

Immunotoxicology Branch, US EPA, Research Triangle Park, North Carolina, April 2001, "Anaphylatoxins as Mediators of Asthma"

Institute of Environmental Medicine, New York University Medical Center, June 1996, "Mechanisms of Pulmonary Hypersensitivity induced by Trimellitic Anhydride"

Department of Pharmacology, University of Minnesota, Dec 1994, "Role of the Complement System in Anaphylaxis and Asthma"

Medical panel for Women in Engineering and Science, College of Science and Engineering, University of Minnesota Duluth, Sept 1994 and Spring 1996

Duluth Division of the Minnesota Heart Association, Duluth, MN, May 1994, "Role of the complement system in anaphylactic shock"

Riker Labs, 3M, St. Paul, Minnesota "Role of the Complement system in Antigen-induced Events" April, 1994
Augsburg College, Department of Biology, Minneapolis, Minnesota, April 1993
St. Mary's College of Minnesota, Department of Biology, Winona, Minnesota, October 1993
Toxicology Discussion Group, University of Minnesota, Twin Cities - "Adverse Immune Responses in the Respiratory System", April 15, 1992.
Duluth Clinic, Pulmonology Conference, March 1991.
Riker Labs, 3M, St. Paul, Minnesota, March 1991.
Riker Labs, 3M, St. Paul, Minnesota - Minisymposium on mediators of allergic airway disease, August 1, 1990. "Role of complement in antigen-induced bronchoconstriction"
St. Cloud State, St. Cloud, Minnesota, Department of Biology, March, 1986.
Riker Labs, 3M, St. Paul, Minnesota - C5a induced bronchoconstriction, May 1986.
Bemidji State University, Bemidji, Minnesota, Department of Chemistry, November, 1986
Moorhead State University, Moorhead, Minnesota, Department of Chemistry, December, 1985
Travenol Labs, Morton Grove, Illinois - C5a and Antigen-induced Contraction of Isolated Tracheal Smooth Muscle. Nov., 1983.

INVITED REVIEWER

NIH National Center for Advancing Translational Sciences Limited Competition for the NIH-Industry Pilot Program Review Panel: Discovering New Therapeutic Uses for Existing Molecules (UH2/UH3), Pre-applications September 2012, Review Feb 13-14, 2013.
NIH Special Emphasis panel/Scientific Review Group 2012/10, ZRG1 CVRS-B (90), Cardiovascular and Respiratory Sciences IRG. June 28-29, 2012.
American Heart Association, Peer Reviewer, Cardiovascular Renal Basic Sciences 1 Panel, April 2, 2012
NIAID Review Panel-RFA AI-10-013-Asthma and Allergic Diseases Cooperative Research Centers, March, 2011
FIFRA Scientific Advisory Panel: Reevaluation of the Human Health Effects of Atrazine: Review of experimental animal and in vitro studies and drinking water monitoring frequency. April 26-30, 2010.
NIH Special Emphasis Panel ZRG1 BDAL-51, Millenium Promise Awards: Non-communicable Chronic Diseases Research Training Program; NIH (D43), Fogarty International Center, Review of training grants, March 5, 2010.
NIH Special Emphasis Panel ZRG1 BDAL-50, Millenium Promise Awards: Non-communicable Chronic Diseases Research Training Program; NIH (D43), Fogarty International Center, Review of training grants, March 25, 2009.
NIH Special Emphasis Panel, Review of draft ICCVAM modifications of the Local Lymph Node Assay, a method for assessing contact dermatitis. April 26-30, 2009, Bethesda MD.
NIH Special Emphasis Panel, Review of draft ICCVAM modifications of the Local Lymph Node Assay, a method for assessing contact dermatitis. March 3-6, 2008, Bethesda MD.
NIOSH, ad hoc reviewer of Division projects, "Immune and Inflammatory Aspects of Occupational Rhinitis", January 2008
NIAID Review Panel-RFA AI-07-002-Asthma and Allergic Diseases Cooperative Research Centers, ZAI1-QV-I-(J1), October 2007
Ad hoc reviewer for National Toxicology Program, Board of Scientific Counselors for two nominations: artificial butter flavoring mixture & o-phthalaldehyde, June 2007 at NIEHS.

Ad hoc reviewer, NIEHS Center in Environmental Toxicology Pilot project program for University of Texas Medical Branch at Galveston, March 2007.

NIAID Review Panel-RFA AI-05-027-Asthma and Allergic Diseases Cooperative Research Centers, March 2006

NIEHS Special Emphasis Panel for review of Superfund Basic Research and Training Programs (RFA ES-05-001). Sept 21, 2005, Phase I review.

Phillip Morris Foundation External Research Program, Peer Reviewer, 2000-2007.

American Chemistry Council, Peer Review Panel for RFP "Susceptibility of the Developing Immune System to Immunosuppressive Agents", 2001

Occupational Safety and Health Administration, Review of draft document setting exposure limits for the occupational allergen Trimellitic anhydride, 2000.

Institute of Medicine's Committee on Health Effects Associated with Exposures Experienced during the Persian Gulf War, 5/28/99-12/31/00.

Peer Review Panel for review of the Murine Local Lymph Node Assay sponsored by the Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM) for the National Toxicology Program, 1998. NIH Publication No: 99-4494.

NIH Study Section Assignment, July, 1996 - 1998

Chemistry and Related Sciences Special Emphasis Panel to Review SBIR/STTR grants.

NIH SCOR Review, Division of Lung Diseases - Ad hoc Reviewer, 1990-91

NIH Site Visit - SCOR Review, Div of Lung Diseases, Case Western Reserve University, 1986

University of Minnesota Graduate School - Biomedical Research Advisory Council, 1996-2002

Review of Graduate School Grant-in-Aids

American Heart Association Midwest Consortium Study Group, 1998 - 2000

Review of grant-in-aid and fellowship applications for the Midwest Consortium

Minnesota Heart Association Research Peer Review Subcommittee, 1985-1992

Vice Chair, 1988-90, Chair, 1990-92

Minnesota Heart Association Research Committee, 1989-92

Minnesota Heart Association Executive Committee and Board of Directors, 1990-1992

Associate Editor, Journal of Immunotoxicology, Taylor & Francis, 2003-present

Editorial Board, Toxicological Sciences, 2010-present

Editorial board of "Toxic Substances Mechanisms" Journal, 1995-1999.

Invited review of the textbook "Melmon & Morrelli's Clinical Pharmacology: Basic Principles in Therapeutics" 3rd ed, 1995.

Review of articles for the following journals: J Immunology, Journal of Immunopharmacology, Infection and Immunity, J. Clin. Investigation, Circulation Research, J Pharmacol Exp Ther, Toxicology, Toxicological Sciences, Toxicology and Applied Pharmacology

Evaluation of promotion packages for:

Dr. Paige Lawrence, Promotion to Associate Professor with tenure, Washington State University, Pullman, Washington, 2003; Promotion to Professor, University of Rochester, 2011.

Dr. Mathur Kannan, Promotion to Professor, Department of Veterinary and Biomedical Sciences, College of Veterinary Medicine, University of Minnesota, 2004

Dr. Mitchell Cohen, Promotion to Associate Professor of Environmental Medicine in the Research/Educator Track, New York University, 2006

Dr. Yoshimi Shibata, Promotion to Professor, Department of Biomedical Science,
College of Biomedical Science, Florida Atlantic University, Boca Rotan, Florida, 2007
Dr. Dori Germolec, Promotion to GS-15, Toxicology Branch, National Toxicology
Program, Division of Intramural Research, NIEHS, Research Triangle Park, NC, 2008.
Dr. Robert Luebke, Promotion to GS-15, US EPA, 2010
Dr. Kathleen Rodgers, Promotion to Professor, Titus Family Department of Clinical
Pharmacy and Pharmaceutical Economics & Policy, USC School of Pharmacy, Los
Angeles, CA 90033
Dr. Jeroen Vanoirbeek, Promotion to Senior Research Professor, University of Leuven,
Belgium, 2010

SERVICE:

Duluth

St. Mary's Duluth Clinic Institutional Review Board (IRB), 2000- 2005
St. Mary's Duluth Clinic Research Strategy Committee, 2005-2006

University of Minnesota

College of Biological Sciences Alumni Mentoring Program, 2002-2004; Nick Kindruk
Graduate School - Constitution Revision Committee, 2001-2002
Graduate School - Biomedical Research Advisory Council, 1996-2002, 2010
Review of Graduate School Grant-in-Aids
Academic Health Center - Committee for the Review of Faculty Development Grants 1999, 2003,
2004
Graduate School Executive Committee, 1995-1997
University Senate, 2012 –present

University of Minnesota-Duluth:

Interdisciplinary Life Science Consortium Steering Committee – 2010-present
IT-Catalyst Steering Committee – 2008-2011.
Steering committee for the NSF grant entitled: IT-START at UMD: Toward Fostering
Women Faculty in STEM fields. PI, Dr. Vicki Hansen, Dept of Geological Sciences.
8/2008-7/2010.
Advisory panel for MARC trainee selection, 2004-present
Careers in Public Health, Tour of Minnesota Department of Health with undergraduate students
from Duluth. Funded by Commission on Women, April 30, 2003.
Integrated Biosciences Graduate Program Development Committee, 1999-2008
UMD Planning Committee, 1992-1994
Search Committee for Chemistry faculty position, 1992-93
Search Committee for Associate Dean of the Graduate School, 1990
EPC Subcommittee on Intercollegiate Athletics, 1988-1991
UMD Graduate Council, 1986-2003
Chair of Ph.D. Subcommittee 1989-1991
Chair of UMD Grad Council 1994-1997
Reorganization Committee of the Campus Assembly, 1983-1984.
Provost's Special Committee on K. Dang Grievance, 1983.
Educational Development Grant Committee, 1982.

University of Minnesota Medical School Duluth

University of Minnesota Medical School Faculty Advisory Committee, 2012-present
Search Committee for Chair of Biomedical Sciences Department, 2010-2011
Lakeview Christian Academy Career Fair presentation, "Research careers in biomedical sciences,
March 29, 2011
Representative to the AAMC Group on Women in Medicine and Science (GWIMS) 2009-present
Director, Steering Committee member and Founder, Women's Mentoring Program, 2000-present
Whiteside Research Institute; grant review for pilot projects, 2008
College of Pharmacy Engebretson Grant application review, 2008, 2011, 2012
Search Committee for Faculty position in Cardiovascular Disease, 2008-2009
Duluth Medical Research Institute; Grant review for pilot projects, 2008, 2009
AHC Duluth Task Force on Mentoring, 2008
Search Committee for Faculty position in Immunology, 2007-2008
Integrated Biosciences Graduate Program, Chair of Admissions Committee, 2005-2009
Integrated Biosciences Executive Committee, 2005-2009
Integrated Biosciences Graduate Program Development Committee, 1999-2008
Equal Opportunity Affirmative Action Liaison, 2003-2009
Scholastic Standing Committee, 2002-2004
Health Sciences Library Committee, 1994-2003
Vice-Chair, School Assembly, 1999-2000
Chair, Faculty Advisory Committee, 1999-2000
Post Tenure Review Committee 1999-2001
Search Committee for Molecular Geneticist for UMD School of Medicine, 2001-2002
Search Committee for Faculty position in Microbiology and Immunology, 1999-2000
Search Committee for Director of the Whiteside Research Institute, 1996-1997
Search Committee for Faculty position in Biochemistry and Molecular Biology, 1996-1997
Search Committee for Faculty position in Pharmacology and Physiology, 1996-1997
Dean's Research Committee, 1995-2000
Dean's Ad Hoc Committee for Single Entry Graduate Program, 1993-1994
Medical School Admissions Committee, 1990-1992.
LCME Task Force, 1990-91
Graduate Program Committee, 1985-1991, 1993-present; Chair, 1985-1989, 1993-1998
Biomedical Research Support Grant Committee, Chairman, 1983-1989
Promotions and Tenure Committee, 1986-90, Chairman 1987, 1989
Flow Cytometry Committee, 1985.
Task Force on Graduate Studies, 1985, 1992-93
Grievance Committee, 1984-86.
School of Medicine Scholarship Committee, 1982-1986.

EDUCATION:

Undergraduate lectures:

1985-Present Phcl 4-001, Drugs and Health. 6 hours lecture/yr to upper division students on anti-inflammatories and antibiotics.
2000 Biol 2101, Cell Biology. 2 hours of lecture on the Immune System

Medical Student lectures:

1981-Present Pharmacology to first and second year medical students - Antihistamines, Anti-inflammatories, Immunosuppressive drugs and Antibiotics - University of Minnesota, Duluth (~25 hours/year). Problem Based Learning facilitator, ~10 hours/year.
1980 Immunobiology of IgE - Albany Medical College.

Educational Training

Problem Based Learning, Initial training 12/98, Update on training 10/01, Trained to facilitate problem based learning for application to first and second year medical students.
Instructional Development Service training on "Group Work". Two hour workshop by Instructional Development staff, Leane Rutherford, on facilitating teamwork. December 4, 2002.
CPR training. November 2002.

Graduate Student Lectures:

1983-1987 Phcl 8-216 (2 cr), Immunopharmacology course offered alternate years - University of Minnesota, Minneapolis.
1984 Phcl 8-214, Lecture on Immunotoxicology - Department of Pharmacology, University of Minnesota, Minneapolis.
1984-2005 Phcl 8-111 (3 hrs lecture) on Mediators of Inflammation and Anti-inflammatory Drugs - Department of Pharmacology, University of Minnesota, Minneapolis.
1987 -1991 Phcl 5-216 (2 cr), Immunopharmacology course, University of Minnesota, Duluth campus, alternate years.
1988-1991 Phcl 5-214 Lecture on Immunotoxicology - Dept. of Pharmacology, Duluth
1987-2000 Phcl 5-410/5-411 Advanced Pharmacology, 4 hrs lecture on Immunopharmacology.
1992-Present Txcl 5-215 or 8-013; Organ System Toxicology, 4 hours lecture on Immunotoxicology
1993, 1996, 2006 Txcl 8-572 Investigative Toxicology, 2 hour presentation of research topics.
2007 IBS 8103 Comparative Animal Physiology, 3 hr lecture on pulmonary mechanics.
2010 IBS 8980: Special topics: Evolution of the Immune System. Co-taught 2 semester course to graduate students with G. Trachte and B. Clarke

Graduate Program Appointments

Pharmacology 1981-1992, Associate membership, Pharmacology graduate faculty, University of Minnesota, Minneapolis
1993-2010, Full membership, Pharmacology graduate faculty, University of Minnesota, Minneapolis

Toxicology	1983-2004, Director of Graduate Studies, M.S. program in Pharmacology, Duluth 1990-1993, Associate membership, Toxicology graduate faculty, University of Minnesota, Minneapolis 1994-Present, Full membership, Toxicology graduate faculty, University of Minnesota, Minneapolis
Integrated Biosciences	1994-1999, Associate Director of Graduate Studies, Toxicology 2005-2008 Associate Member, Integrated Biosciences 2008-present, Senior Member, Integrated Biosciences Graduate Faculty, 2005-2009, Chair, Integrated Biosciences Admissions Committee 2005-2009, Executive Committee, Integrated Biosciences graduate program

Major Thesis Advisor

Daniel Fraser	Ph.D.	Toxicology	1996
Cheng Xu	M.S.	Pharmacology	1996
Chris Larsen	Ph.D.	Toxicology	2002
Nadejda Bozadjieva	M.S.	Integrated Biosciences	2011
Kathryn Lillegard	M.S.	Integrated Biosciences	Current

APS Water & Electrolyte Homeostasis Travel Award for Experimental Biology 2012
APS Water & Electrolyte Homeostasis Section Predoctoral Research Recognition Award 2012

M.S. Final Examination Committee

1992	Laura Solem - Pharmacology
1996	Cheng Xu - Pharmacology
1999	Suji Varghese – Pharmacology

Ph.D. Preliminary Examination Committee

1983	Marianne Rice - Microbiology/Immunology
1984	Eileen Bird - Pharmacology
1984	Hunjoo Ha - Pharmacology
1989	Dave Hammerbeck - Veterinary Biology
1994	Daniel Fraser - Toxicology
1997	Thomas Horn - Toxicology
1999	Chris Larsen - Toxicology
1999	Maria Ofelia Tapia De Auza - Toxicology
2000	Nadia Hashish – Toxicology
2004	Alonso Guedes – Veterinary Medicine
2006	Bethany Nelson – Biochemistry & Molecular Biology

Ph.D. Final Examination Committee

1985	Marianne Rice - Microbiology/Immunology
1992	Dave Hammerbeck - Veterinary Biology
1995	Daniel Fraser - Toxicology
2000	Thomas Horn - Toxicology
2001	Maria Ofelia Tapia De Auza - Toxicology
2002	Chris Larsen – Toxicology

2006 Alonso Guedes – Veterinary Medicine
2012 Bethany Nelson – Biochemistry & Molecular Biology

Undergraduate Research Trainees

UROP (Undergraduate Research Opportunities) projects

1987 Cyndi Frane
1988 Maureen Shannon
1990 John Tonsager
1994 Michelle Arndt
1998 Erin Brandl
1999 Rachel Windmiller
2001 Tina Kane Lindgren
2008 Carla Determan
2009 Geoffrey Hannigan
2011 Alex Johnson
 Bruce Excellence in Undergraduate Research Award from American
 Physiological Society, Experimental Biology 2012
2012 Sarah Lojovich

American Heart Association Summer Student Fellowship – Research and Mentoring

2006, 2007, 2008 – Jamie Eskuri

Under-represented and minority programs – Research and Mentoring

Bridges to the Doctoral Degree - Supervision of undergraduate research

1998-2001 Tina Kane Lindgren

MARC program - Supervision of undergraduate research

2004-2006 Heather Gillespie

Pathways Program - Supervision of undergraduate research

2010-2012 Sarah Lojovich, University of Minnesota Duluth

2011-2012 Ashley Bauer, University of Minnesota Duluth

 Bruce Excellence in Undergraduate Research Award from American
 Physiological Society, Experimental Biology 2011

 Society Experimental Biology Medicine Young Investigator Award 2012

Pre-med student research experiences

2009-2011 Ryan Eskuri, University of St. Thomas

2010 Nora Maddy, Carlton College

PRESENT FUNDING (DIRECT COSTS):

- 8/1/11-7/31/13 P.I. – NIH/NHLBI, R15 grant, Complement activation and angiogenic imbalance in pregnancy and hypertension, \$300,000
- 12/1/11-11/30/13 Co-Inv – Minnesota Medical Foundation, Purchase of a shared pathology microscope with analysis and archival software, \$25,878 (PI Rose-Hellekant)
- 1/15/12-1/14/13 P.I. – Whiteside Institute for Clinical Research, Asthma exacerbations during pregnancy, \$13,486.

Past Funding:

- 1/15/02-2/15/07 P.I. - U.S. Army Medical Research and Material Command (USAMRMC) under the Congressionally Directed Medical Research Program (CDMRP), Department of Defense "Differential allergen sensitivity in induction and elicitation of asthma in young versus adult animals". - \$1,138,444
- 8/96-7/01 P.I. - NIH/NIEHS - "Immunotoxicity of Acid Anhydrides in the Lung" - \$523,000
- 7/87-6/91 P.I. - NIH/NHLBI, Years 7 - 10, "Role of C3a, C5a in Antigen-induced Bronchoconstriction" - \$260,367.
- 7/86-6/90 Co-PI with L.J. Heller - NIH/NHLBI; Adenosine Modulation of Cardiac Anaphylaxis, \$177,523.
- 7/84-6/87 P.I. - NIH/NHLBI, "Role of C3a, C5a in Antigen-induced Bronchoconstriction" - \$187,982.
- 7/81-6/84 P.I. - NIH New Investigator Research Award, "C5a, C3a and Anaphylactic Airway Obstruction" - \$97,610.

Other funding sources:

- 1/1/10-12/30/11 P.I. – Graduate School Grant-in-Aid, Pulmonary dysfunction associated with pregnancy induced hypertension, \$24,766
- 7/1/10-1/15/12 P.I. – Graduate School Grant-in-Aid, Multimode Microplate Reader, \$25,000
- 1/1/07-12/31/09 Co-investigator – Whiteside Institute for Clinical Research. IL-13 Receptor Regulation in Asthma. PI – Dr. Patricia Scott. \$15,000.
- 11/1/07-10/31/08 P.I. – SciClone Pharmaceuticals, Inc. Effectiveness of SCV-07 in Immediate Hypersensitivity Reactions - \$19,810
- 12/1/06-11/30/07 P.I. – SciClone Pharmaceuticals, Inc. Effectiveness of SCV-07 in a Guinea Pig Model of Asthma - \$39,366
- 7/1/05-12/31/06 Co-investigator – Academic Health Center Seed Grant. “Effect of altered arginine metabolism in asthma.” P.I. Mark Rutherford, Department of Veterinary and Biomedical Sciences. \$25,000
- 10/04 EPA Travel Award to attend conference on “Environmental Influences on the Induction and Incidence of Asthma” and present a poster entitled: Differential Allergen Sensitivity in the Induction Phase of Asthma in Young and Adult Male and Female Guinea Pigs. October 18-19, 2005. Research Triangle Park, NC. \$400
- 12/1/01-6/30/03 P.I. - University of Minnesota Graduate School Grant-in-Aid, "Occupational Asthma: Acid Anhydride vs Ovalbumin". - \$24,911
- 7/01-12/02 P.I. - University of Minnesota Academic Health Center Seed Grant, "Identification of Molecular Differences in Asthma Phenotypes." - \$25,000.

7/01-6/02 P.I. - University of Minnesota Duluth Commission on Women, "School of Medicine Mentoring Program for Women." - \$750

3/01-3/02 P.I. - University of Minnesota Biomedical Genomics Center Seed Grant, "Mechanisms of Asthma: Low vs High Molecular Weight Antigen" - \$7600

7/99-6/01 Co P.I. - Interdisciplinary Center for Biochemistry, Cell, and Molecular Biosciences at the University of Minnesota Duluth - \$19,587 in planning money from the University of Minnesota Graduate School for establishing an interdisciplinary graduate program. M.J. Oursler - P.I.

1/99-12/99 P.I. - Whiteside Institute for Clinical Research - "Role of Complement Activation in Occupational Asthma" - \$4996

8/97 P.I. - Minnesota Medical Foundation - "Microplate Reader - Equipment Request" - \$12,000

2/97-6/97 P.I. - EPA - Contract to Produce Hapten: Protein Conjugates, Analysis of Product, Finalized Protocols" - \$15,351

2/96-2/97 P.I. - Sandoz Nutrition Corporation - "Nutrition and Asthma" - \$17,105

7/95-12/96 P.I. - University of Minnesota Graduate School Grant-in-Aid, "Role of C3a in systemic anaphylaxis" - \$11,881

7/93-7/96 P.I. - Minnesota affiliate of the American Heart Association - "Role of the complement system in anaphylactic shock" - \$48,000

10/92 -12/95 P.I. - T Cell Sciences gift for studies of allergic bronchoconstriction - \$9,400

1/92-1/94 P.I. - 3M Riker - "Role of C5a in antigen-induced eosinophil infiltration in the guinea pig lung" - \$28,826

12/92-11/94 P.I. - Minnesota Medical Foundation - "Role of the complement system in occupational asthma" - \$7,500

7/90-6/92 P.I. - Biomedical Research Support Grant (BRSG S07 RR05896-08) - "Effect of cell depletion on the mechanism of C5a-induced bronchoconstriction in vivo in the guinea pig" - \$8,000

12/90-11/91 P.I. - University of Minnesota Graduate School - "Role of basic carboxypeptidase in antigen-induced bronchoconstriction" - \$15,780

11/90-10/91 P.I. - Duluth Clinic Education and Research Foundation - "Mechanism of recombinant human C5a-induced contraction of isolated guinea pig and human airways" - \$4,026

9/90-8/91 P.I. - Minnesota Medical Foundation - "Role of basic carboxypeptidase in antigen-induced bronchoconstriction" - \$7,000

2/87-10/88 P.I. - 3M/Riker, "Anti-allergic Drugs and Antigen-induced Bronchoconstriction" - \$17,606.

2/83-2/87 P.I. - 3M Foundation, "Role of Complement in Antigen-induced Bronchoconstriction" - \$16,500.

9/84-9/86 P.I. - Immunetech Pharmaceuticals - for studies of allergic bronchoconstriction - \$6,500

7/84-6/87 P.I. - Minnesota Affiliate of American Heart Association, "C5a and Anaphylaxis in the Cardiovascular System" - \$40,000.

11/81-6/82 P.I. - University of Minnesota Graduate School Grant-in-Aid, "Release of Inflammatory Mediators from Lung Parenchyma by C5a" - \$9,800.

7/79-8/80 P.I. - American Lung Association, "The effect of anaphylatoxins, C3a and C5a, on trachea and lung strips of the guinea pig" - \$10,335.

7/79-7/81

P.I. - Northeastern New York Chapter of the American Heart Association,
"Contraction of muscle by complement cleavage product" - \$28,797.

PUBLICATIONS

INVITED REVIEWS (Peer reviewed)

- 2010** Regal, J.F. and Selgrade MJ: Hypersensitivity Reactions in the Respiratory Tract. *In* Immune System Toxicology, Vol 5, Comprehensive Toxicology. 2nd ed. Ed. I.G. Sipes, C.A. McQueen, A.J. Gandolfi. Elsevier Science. 2010
- 2009** Regal, J.F. Allergic asthma and rhinitis: Toxicological considerations. *In* General and Applied Toxicology, 3rd ed. B. Ballantyne, T. Marrs, T. Syversen (eds). John Wiley and Sons, Ltd, Chichester, UK, pp 1153-1168. 2009
- 2007** Regal, J.F., Greene, A.L., and Regal, R.R.: Mechanisms of Occupational Asthma: Not all Allergens are Equal. *Environmental Health and Preventive Medicine* 12:161-167, 2007.
- 2005** Regal, J.F.: Complement. pp. 153-158. *In* Encyclopedic Reference of Immunotoxicology. Ed. H-W Vohr. Springer-Verlag, Germany, 2005.
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