

**Curriculum Vitae for Academic Promotion
The Johns Hopkins University School of Medicine**

February 9, 2006

Susan M. MacDonald, M.D.

DEMOGRAPHIC INFORMATION

Current Appointments:

2004-Present: The Johns Hopkins University School of Medicine
Professor of Medicine

2001-Present: The Johns Hopkins University School of Medicine
Office for Faculty Development, SOM

2002-Present: The Johns Hopkins University School of Medicine
Associate Chair
Department of Medicine

Personal Data:

The Johns Hopkins University School of Medicine
at the Johns Hopkins Asthma and Allergy Center
Division of Allergy and Clinical Immunology
5501 Hopkins Bayview Circle
Baltimore, MD 21224-6801
(410) 550-2075 (Phone)
(410) 550-2086 (FAX)
smacdona@jhmi.edu

Education and Training (in chronological order):

• Undergraduate

1968-1972 Regis College - B.A. Cum Laude
Chemistry

• Doctoral/Graduate

1972-1976 Harvard Medical School
Research Assistant - Dr. K. Frank Austen's Laboratory
Immunology

1976-1980 University of Massachusetts Medical School
M.D.

• Postdoctoral

1980-1981 The Johns Hopkins Hospital
Internship - Medicine

1981-1982 The Johns Hopkins Hospital
Assistant Resident - Medicine

1982-1983 The Johns Hopkins Hospital
Senior Resident - Medicine

1983-1984 The Johns Hopkins University School of Medicine
Fellow - Rheumatology

1984-1985 The Johns Hopkins Hospital
Instructor/Assistant Chief of Service - Medicine

1985-1986 The Johns Hopkins University School of Medicine
Fellow - Rheumatology

1985-1987 The Johns Hopkins University School of Medicine
Division of Allergy and Clinical Immunology
Postdoctoral Research Fellow

Professional Experience (in chronological order):

1987-1987 The Johns Hopkins University School of Medicine
Instructor in Medicine

1987-1995 The Johns Hopkins University School of Medicine
Assistant Professor of Medicine

1997-2001: The Johns Hopkins University School of Medicine
Deputy Director for Faculty and Career Development,
Department of Medicine

1995-2004: The Johns Hopkins University School of Medicine
Associate Professor of Medicine

RESEARCH ACTIVITIES• **Peer-reviewed scientific articles**

1. **MacDonald-Lynch, S.M.**, Austen, K.F., and Wasserman, S.I.: Release of arylsulfatase A but not B from rat mast cells by noncytolytic secretory stimuli. *J. Immunol.* 1978;121:1394-1399.
2. Plaut, M., **MacDonald, S.M.**, Warner, J., and Liu, M.: Role of IgE-binding factors in the pathogenesis of allergic reactions. *Folia Allergol. Immunol. Clin.* 1986;33:343-350.
3. **MacDonald, S.M.**, Lichtenstein, L.M., Proud, D., Plaut, M., Naclerio, R.M., and Kagey-Sobotka, A.: Studies of IgE-dependent histamine releasing factors: Heterogeneity of IgE. *J. Immunol.* 1987;139:506-512.
4. Charlesworth, E.N., Iliopoulos, O., **MacDonald, S.M.**, Kagey-Sobotka, A., and Lichtenstein, L.M.: Cells and secretagogues involved in the human late phase response. *Int. Arch. Allergy Appl. Immunol.* 1989;88:50-53.
5. Capron, M., Tomassini, M., Torpier, G., Kusnierz, J., **MacDonald, S.M.**, and Capron, A.: Selectivity of mediators released by eosinophils. *Int. Arch. Allergy Appl. Immunol.* 1989;88:54-58.
6. **MacDonald, S. M.**, Schleimer, R. P., Kagey-Sobotka, A., Gillis, S., and Lichtenstein, L.M.: Recombinant IL-3 induces histamine release from human basophils. *J. Immunol.* 1989;142:3527-3532.
7. Massey, W.A., Randall, T.C., Kagey-Sobotka, A., Warner, J.A., **MacDonald, S.M.**, Gillis, S., Allison A.C., and Lichtenstein, L.M.: Recombinant human interleukin 1 α and 1 β potentiate IgE-mediated histamine release from human basophils. *J. Immunol.* 1989;143:1875-1880.
8. **MacDonald, S.M.**, White, J.M., Kagey-Sobotka, A., MacGlashan, D.W., Jr., and Lichtenstein, L.M.: The heterogeneity of human IgE exemplified by the passive transfer of D₂O sensitivity. *Clin. Exp. Allergy* 1991;21:133-138.
9. Langdon, J. and **MacDonald, S.M.**: The IgE-dependent histamine releasing factor: A unique cytokine. *Int. Arch. Allergy Immunol.* 1992;99:316-318.
10. Kleine-Tebbe, J., Hamilton, R.G., Roebber, M., Lichtenstein, L.M. and **MacDonald, S.M.**: Purification of immunoglobulin E (IgE) antibodies from sera with high IgE titers. *J. Immunol. Meth.* 1995;179:153-164.
11. **MacDonald, S.M.**, Rafnar, T., Langdon, J., Lichtenstein, L.M.: Molecular identification of an IgE-dependent histamine releasing factor. *Science* 1995;269:688-690.

12. Schroeder, J.T., Lichtenstein, L.M., **MacDonald, S.M.:** An immunoglobulin E-dependent recombinant histamine releasing factor induces IL-4 secretion from human basophils. *J. Exp. Med.* 1996;183:1265-1270.
13. Kleine-Tebbe, J., Kagey-Sobotka, A., MacGlashan Jr., D.W., Lichtenstein, L.M., **MacDonald, S.M.:** Lectins do not distinguish between heterogeneous IgE molecules as defined by differential activity of an IgE-dependent histamine releasing factor. *J. Allergy Clin. Immunol.* 1996;98:181-188.
14. Dvorak, A.M., Schroeder, J.T., MacGlashan, D.W., Bryan, K.P., Morgan, E.S., Lichtenstein, L.M. and **MacDonald, S.M.:** Comparative ultrastructural morphology of human basophils stimulated to release histamine by anti-IgE, recombinant IgE-dependent histamine-releasing factor, or monocyte chemotactic protein-1. *J. Allergy Clin. Immunol.* 1996;98:355-370.
15. Fried, L.P., Francomano, C.A., **MacDonald, S.M.,** Wagner, E.M., Stokes, E.J., Carbone, K.M., Bias, W.B., Newman, M.M. and Stobo, J.D.: Career development for women in academic medicine. Multiple interventions in a Department of Medicine. *JAMA* 1996;276:898-905.
16. **MacDonald, S.M.:** Human recombinant histamine releasing factor (HrHRF). *Int. Arch. Allergy Appl. Immunol.* 1997;113:187-190.
17. Schroeder, J.T., Lichtenstein, L.M., **MacDonald, S.M.:** Recombinant histamine-releasing factor enhances IgE-dependent IL-4 and IL-13 secretion by human basophils. *J. Immunol.* 1997;159:447-452.
18. Schroeder, J.T., MacGlashan, Jr., D.W., **MacDonald, S.M.,** Kagey-Sobotka, A. and Lichtenstein, L.M.: Regulation of IgE-dependent IL-4 generation by human basophils treated with glucocorticoids. *J. Immunol.* 1997;158:5448-5454.
19. Bheekha-Escura, R., Chance, S.R., Langdon, J.M., MacGlashan, Jr., D.W., **MacDonald, S.M.:** Pharmacologic regulation of histamine release by the human recombinant histamine-releasing factor. *J. Allergy Clin. Immunol.* 1999;103:937-943.
20. Wantke, F., MacGlashan, D.W., Langdon, J.M., **MacDonald, S.M.:** The human recombinant histamine releasing factor rHRF: Functional evidence that rHRF does not bind to the IgE molecule. *J. Allergy Clin. Immunol.* 1999;103:642-648.
21. **MacDonald, S.M.,** Paznekas, W.A., and Jabs, E.W.: Chromosomal localization of tumor protein, translationally-controlled 1 (TPT1) encoding the human histamine releasing factor (HRF) to 13q12-14. *Cytogenetics and Cell Genetics* 1999;84:128-129.
22. Bheekha-Escura, R., MacGlashan, Jr., D.W., Langdon, J.M., and **MacDonald, S.M.:** The human recombinant histamine releasing factor (HrHRF) activates human eosinophils and the eosinophilic-like cell line, AML 14-3D10. *Blood* 2000;96:2191-2198.

23. Beyer, K., Marsh, D.G., Freidhoff, L., Nickel, R., Björkstén, B., Huang, S.-K., Barnes, K.C., **MacDonald, S.M.**, Forster, J., Zepp, F., Wahn, V., Beaty, T.H., and Wahn, U.: Association and linkage of atopic dermatitis with chromosome 5q31-33 and 13q12-14 markers. *J. Invest. Dermatol.* 2000;115:906-908.
24. **MacDonald, S.M.**, Bhisutthibhan, J., Shapiro, T.A., Rogerson, S.J., Taylor, T.E., Tembo, M., Langdon, J.M., and Meshnick, S.R.: Immune mimicry in malaria: *Plasmodium falciparum* secretes a functional histamine-releasing factor homolog *in vitro* and *in vivo*.. *Proc. Natl. Acad. Sci. U.S.A.* 2001;98:10829-10832.
25. Vonakis, B.M., Gibbons, S., Sora, R., Langdon, J.M. and **MacDonald, S.M.**: Src homology 2 domain-containing inositol 5' phosphatase is negatively associated with histamine release to human recombinant histamine-releasing factor in human basophils. *J. Allergy Clin. Immunol.* 2001;108:822-31.
26. Kleine-Budde, I., Lopuhaa, C.E., de Heer P.G., Langdon, J.M., **MacDonald, S.M.**, van der Zee, J.S., and Aalberse, R.C.: Lack of correlation between bronchial late allergic reaction to *Dermatophagoides pteronyssinus* and *in vitro* immunoglobulin E reactivity to histamine-releasing factor derived from mononuclear cells. *Ann. Allergy Asthma Immunol.* 2002;89:606-612.
27. Vonakis, B.M., Sora, R., Langdon, J.M., Casolaro, V. and **MacDonald, S.M.**: Inhibition of cytokine gene transcription by human recombinant histamine-releasing factor in human T lymphocytes. *J. Immunol.* 2003;171:3742-3750.
28. Langdon, J.M., Vonakis, B.M. and **MacDonald, S.M.**: Identification of the Interaction between the Human Recombinant Histamine Releasing Factor/Translationally Controlled Tumor Protein and Elongation Factor-1 delta (also known as eElongation Factor-1B beta). *Biochem. Biophys. Acta* 2004;1688:232-236.
29. Vonakis, B.M., Gibbons, Jr., S.P., Rotté, M.J., Brothers, E.A., Kim, S.C., Chichester, K. and **MacDonald, S.M.**: Regulation of RBL-2H3 mast cell secretion by a constitutive lyn kinase interaction with the high affinity IgE receptor (FcεRI¹). *J. Immunol.* 175:4543-4554, 2005.

Invited Reviews

1. **MacDonald, S.M.** and Lichtenstein, L.M.: Histamine releasing factors and heterogeneity of IgE. *Springer Semin. Immunopathol.* 1990;12:415-428.
2. **MacDonald, S.M.**, Langdon, J.M., Greenlee, B.M., Kagey-Sobotka, A. and Lichtenstein, L.M.: IgE-dependent histamine-releasing factors. A Brief Review. *Int. Arch. Allergy Appl. Immunol.* 1991;94:144-147.
3. Sampson, H.A., and **MacDonald, S.M.**: IgE-dependent histamine-releasing factors. *Springer Semin. Immunopathol.* 1993;15(1):89-98.

4. **MacDonald, S.M.:** The IgE-dependent histamine releasing factor. *ACI Int.* 1996;8/1:34-37.
5. **MacDonald, S.M.** Histamine releasing factors. *Curr. Opin. Immunol.* 1996;8:778-783.

Guest Editor

1. Springers Seminars in Immunopathology. In: *IgE Immunopathology* II, **S.M. MacDonald**, editor, 1993; Volume 15, Number 1.
2. Immunology and Allergy Clinics of North America. In: *Immunology and Allergy Clinics of North America Emerging Therapies in Allergic Disease*. **MacDonald, S.M.** and Vonakis, B.M., editors, Vol 24, 2004.

• Books/Chapters

1. **MacDonald, S.M.**, Naclerio, R.M., Plaut, M., Warner, J., Kagey-Sobotka, A., and Lichtenstein, L.M.: Human late phase reactions. In: *Allergy and Inflammation*. (Ed.: A.B. Kay), Academic Press, London, 1987; pp. 293-305.
2. Kagey-Sobotka, A., **MacDonald, S.M.**, Fox, C., Warner, J.A., and Lichtenstein, L.M.: *In vitro* and *in vivo* studies of human basophils and mast cells: Mediators, secretagogues and pharmacology. In: *Human Inflammatory Disease*. (Eds.: Marone, G., Lichtenstein, L.M., Condorelli, M., Fauci, A.S.). B.C. Decker, Toronto/Philadelphia, 1988; pp. 39-47.
3. Capron, M., Leprevost, C., Prin, L., Tomassini, M., Torpier, G., **MacDonald, S.M.**, and Capron, A.: Immunoglobulin-mediated activation of eosinophils. Chapter 4. In: *Eosinophils in Asthma (Perspectives in Asthma)*, Editors: Morley, J. and Colditz, I. Academic Press, London, 1989, pp. 49-60.
4. **MacDonald, S.M.** and Lichtenstein, L.M.: IgE heterogeneity, basophil activation and allergic disease. In: *Highlights in Allergy and Clinical Immunology*, Proceedings of EAACI, (Ed.: B. Wüthrich), Zürich, 1991; pp. 15-20.
5. **MacDonald, S.M.**, Kagey-Sobotka, A. and Lichtenstein, L.M.: Mast cells and basophils in asthma. In: *Basophils, Mast Cells and Airway Epithelial Cells*. (Eds: G. Marone, E. Pozzi, S.I. Rennard), Masson, Milano, 1994; pp. 99-109.
6. **MacDonald, S.M.**, Bochner, B.S., and Lichtenstein, L.M.: The role of basophil-cytokine interactions in asthma. In: *Asthma: Physiology, Immunopharmacology and Treatment*, (Eds.: S. Holgate, K.F. Austen, L.M. Lichtenstein and A.B. Kay), 4th Intl. Symposium, Academic Press, 1993; pp. 99-108.
7. Bheekha-Escura, R., Schroeder, J.T., **MacDonald, S.M.:** The human recombinant IgE-dependent histamine-releasing (HrHRF): Function and regulation. *Drug, News & Perspectives*, Prous Science, Spain, 1998;11: 223-229.

8. Langdon, J.M. and **MacDonald, S.M.:** Biological properties of the IgE-dependent histamine-releasing factor. In: *Asthma and Allergic Diseases*. (Eds: G. Marone, K.F. Austen, S.T. Holgate, A.B. Kay, and L.M. Lichtenstein), Academic Press, Ltd., London, UK, 1998; pp. 107-116.
9. **MacDonald, S.M.:** Histamine Releasing Factors. In: *Signal Transduction in Mast Cells and Basophils*. (Eds. E. Razin and J. Rivera). Springer-Verlag, New York, 1999; pp. 390-401.
10. **MacDonald, S.M.,** Vonakis, B.M.: Association of the Src homology 2 domain-containing inositol 5'phosphatase (SHIP) to releasibility in human basophils. In: *Molecular Immunology*, 2002;38 issue 16-18;1323-1327.
11. Fried, L.P., Stokes, E.J., **MacDonald, S.,** Rand, C. and Bathon, J. Organizational change to support success in women. Chapter 9. In: *Equal Rites, Unequal Outcomes: Women in American Research Universities*. Edited by Hornig, Kluwer Academic/Plenum Publishers 2003 pp. 227-244.
12. Immunology and Allergy Clinics of North America. In: *Immunology and Allergy Clinics of North America Emerging Therapies in Allergic Disease*. **MacDonald, S.M.** and Vonakis, B.M., editors, Vol 24, 2004, xi-xiii.
13. Langdon, J.M. and **MacDonald, S.M.** Assays for Histamine Releasing Factors: From Identification and Cloning to Discovery of Binding Partners. In: *Mast Cell: Methods and Protocols*. Editors: Chi, D.S. and Krishnaswamy, S., Humana Press, 2005.

Books/Textbooks

1. **MacDonald, S.M.:** Histamine releasing factors and IgE heterogeneity. In: *Allergy: Principles and Practice*. (Eds: E. Middleton, C.E. Reed, E.F. Ellis, N.F. Adkinson, J.W. Yunginger, W.W. Busse), 4th Edition, 1993; pp. 1-11.
2. **MacDonald, S.M.:** Allergic Diseases: Asthma as a Model. In: *Principles of Molecular Medicine*. (Eds: Jameson, J.L., Collins, F.S.), Humana Press, Totowa, New Jersey, 1998; pp. 309-316.
3. **MacDonald, S.M.:** Histamine releasing factors and IgE heterogeneity. In: *Allergy: Principles and Practice*. (Eds. E. Middleton, C.E. Reed, E.F. Ellis, N.F. Adkinson, J.W. Yunginger, W.W. Busse), 5th Edition, 1998; pp. 137-145.

Other Media

1. **MacDonald, S.M.:** Commentary JAMA Asthma Web Site, March 27, 1998; "Anti-IgE Antibody as a Treatment for Allergic Disease."

Extramural Sponsorship (current, pending, previous):**• Grants/Current**

- 2003-2008 Molecular Approach to Human Allergy, NIH,
\$1,250,000 (total direct costs); \$250,000 (current year direct cost)
R01 AI32651-13
Principal Investigator: Susan M. MacDonald, M.D.
70% Effort
- 2006 Johns Hopkins Institutional Review Grant
“Molecular Mechanisms of Hyperreleasability in Human Basophils”
Principal Investigator: Becky M. Vonakis, Ph.D.
Co-Principal Investigator: Susan MacDonald, M.D.
\$20,000 – one time award
- 2007-2012 Functional Heterogeneity of Human and Mouse IgE Molecules
Principal Investigator: Toshiaki Kawakami
Co-Investigator: Susan M. MacDonald, M.D.
Pending

• Previous

- 2004-2005 Molecular Approach to Human Allergy, NIH
R01 AI32651-11 (Minority Supplement)
\$29,841 (total direct costs)
Principal Investigator: Susan M. MacDonald, M.D.
- 1997-2003 Molecular Approach to Human Allergy, NIH
\$1,042,119 (total direct costs)
R01 AI 32651-6
Principal Investigator: Susan M. MacDonald, M.D.
- 1992-1997 Molecular aspects of IgE heterogeneity and HRF *in vitro/in vivo*
NIH First Award
R29 AI 32651
Principal Investigator: Susan M. MacDonald, M.D. \$577,500
- 1988-1991 RJR Nabisco Research Scholars Award
Histamine releasing factors and heterogeneity of IgE
Principal Investigator: Susan M. MacDonald, M.D. \$225,000
- 1987-1992 Studies of IgE-dependent histamine releasing factors
NIH Physician Scientist Award
K11 AI 00804
Principal Investigator: Susan M. MacDonald, M.D. \$367,105

1986-1987 Pfizer Postdoctoral Fellowship Award
 IgE-dependent histamine releasing factor
 Principal Investigator: Susan M. MacDonald, M.D. \$40,000

EDUCATIONAL ACTIVITIES

Teaching:

1994-2003: Coordinator of Housestaff Elective in Allergy and Immunology

1994-Present: Faculty Preceptor for Allergy and Clinical Immunology Clinical Training Program (Bench to Bedside Section)

1994-Present: Lectures for Fellow Orientation Conferences

1988-1995 Clinical Skills Instructor for second year medical students

1989-1990 Nelson-Baker Teaching Attending

Mentoring:

Postdoctoral Fellows

Roy Bheekha, Ph.D.	1996-1998
Felix Wantke, M.D.	1996-1998
Tushar Shah, M.D.	1990-1993
Jörg Kleine-Tebbe, M.D.	1991-1995
Becky Vonakis, Ph.D.	1999-2001
Liping Xie, M.D.	2005-

Present Position

Department of Immunology Baylor College of Medicine Wilhelminenspital-Vienna Pulmonary
Senior Vice President of Scientific and Clinical Development ALTANA Pharma US
University of Leipzig, Germany
Assistant Professor 7/2001 Division of Allergy and Clinical Immunology, Johns Hopkins

Research Students

Tanika Martin	2004-2005	Minority Supplement Student
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Pearlene Lee	Summer, 2003	Undergraduate, University of California, Berkley
Sophie Seo	Summer, 2001, 2002, 2003	Undergraduate, University of Toronto
Masashi Rotte	2000-2002	Senior, Johns Hopkins University
Scott Gibbons, Jr.	Summer, 1998 Summer, 1999 Summer, 2000	Undergraduate, St. Mary's College, St. Mary's City, MD
Himanshu Nagar	1997-1998	Junior, Johns Hopkins University
Stacy Ryan Chance	1994-1997	Doctor of Medicine Candidate Vanderbilt University, TN
Nancy E. Moeder	1995-1996	Doctor of Philosophy Candidate Cornell University, NY
Katherine Anders	1994-1995	Doctor of Veterinary Medicine Candidate Virginia Tech Veterinary School
Margaret McIntergart, M.D.	1995	Intern in Medicine Royal College of London
Jessica Jenulus	1993-1994	Doctor of Philosophy Candidate Allegheny University of the Health Sciences Philadelphia, PA
Jae Oh	1998-2000	Doctor of Philosophy Candidate, NYU, NY

Mentees for Career Counseling

Jennifer Laurence, M.D.	1993-1997	Postdoctoral Fellow Endocrinology Joscylin Clinic Boston, MA
Suzanne Jan de Beur, M.D.	1995-Present	Assistant Professor of Medicine, Endocrinology Johns Hopkins
Michele Keane, Ph.D.	1995-1997	Research Scientist Osiris Corporation Baltimore, MD
Elizabeth H. Holt, M.D.,Ph.D.	1998-2000	Postdoctoral Fellow

Gwen Oldenquist, M.D.	1999-2003	Division of Endocrinology Johns Hopkins Postdoctoral Fellow Geriatrics Division Johns Hopkins University
Kelly Zebo, M.D.	1999-Present	Assistant Professor of Medicine, Internal Medicine Division, Johns Hopkins University
Terry Watnick, M.D.	1999-2003	Assistant Professor of Medicine, Renal Division, Johns Hopkins University

Editorial Activities:

- **Editorial Board appointments**

Journal of Allergy and Clinical Immunology - 1997-2002
JAMA Asthma Web Site - 1998 – Present

- **Journal peer review activities**

Journal of Clinical Investigation
Journal of Immunology
Journal of Allergy and Clinical Immunology
American Journal of Respiratory and Critical Care Medicine
European Journal of Allergy and Clinical Immunology*
International Archives of Allergy and Immunology
Journal of the American Academy of Dermatology
Journal of Clinical and Experimental Allergy
Arthritis and Rheumatism
Pediatric Allergy and Immunology
Journal of Experimental Medicine
Journal of Physiology
Journal of the American Medical Association
International Archives of Allergy and Immunology
Lung
Experimental Hematology
Journal of the American Physiological Society
New England Journal of Medicine
Journal of the American Medical Women's Association
Nature Immunology
Immunity
Journal of Respiratory Diseases
International Immunopharmacology

Lung and Cellular and Molecular Physiology
International Journal of Biochemistry and Cell Biology
BMC Biochemistry
Biochemica et Biophysica Acta

CLINICAL ACTIVITIES

Certification:

- Medical
July 1, 1981 National Board of Medicine Examiners
- Boards
January 29, 1984 American Board of Internal Medicine

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments:

- | | |
|--------------|--|
| 2005 | Member, Pulmonary Search Committee, Department of Medicine |
| 2004 | Co-Chair, Inflammatory Bowel Disease Search Committee, Department of Medicine |
| 2004 | Chair, Infectious Disease Search Committee, Department of Medicine |
| 2003 | Chair, Hematology Search Committee, Department of Medicine |
| 2003 | Member, General Internal Medicine Search Committee, Department of Medicine |
| 2002-Present | Associate Chair, Department of Medicine |
| 2001-Present | The Johns Hopkins University School of Medicine, Office of Faculty Development |
| 1997-2001 | Deputy Director for Faculty Development in the Department of Medicine |
| 2001-Present | Organized the Faculty Orientation for the School of Medicine with the Vice Dean of Faculty |
| 2001 | Responsible for expanding the Promotion and Career Development Guide for all faculty in the School of Medicine |

- 2000 School of Medicine Committee on Women and Minorities
- 1999 Hematology Division Director Search Committee Member
- 1999 Organized the Department of Medicine's Promotion and Career Development Guide for Faculty
- 1999 Organized the first Department of Medicine Orientation for New Faculty
- 1999 Constructed an Access Data Base Mentoring Program for all faculty in the Department
- 1993-Present: Executive Committee, Division of Allergy and Clinical Immunology
- 1997-2002 Committee on Student Awards (School of Medicine)
- 1992-Present: Department of Medicine Task Force on Women's Academic Careers in Medicine
- 1995-1997 Department of Medicine Task Force on Women's Academic Careers in Medicine (Chair)
- 1997 Organized a formal mentoring program for women fellows in the Department
- 1997-1998 Department of Medicine Research Retreat
- 1993-1994 Department of Medicine Research Retreat
- 1995-1997 Medical School Council, Department of Medicine Elected Representative
- 1993 Ad Hoc Faculty Committee on Training and Education Programs
- 1993 Department of Medicine Fellowship Program Advisory Group

Professional Societies:

- 1983 American College of Physicians - Associate
- 1986 Maryland Society for the Rheumatic Disease
- 1987-Present American Association of Immunologists
- 1988-1994 Johns Hopkins University Immunology Council (JHUIC)
Executive Committee Secretary
- 1994-Present Johns Hopkins University Immunology Council
Executive Committee
- 1988 American Federation of Clinical Research
- 1990-Present American Academy of Allergy and Immunology

1992-Present Collegium Internationale Allergologicum
1997-Present Fellowship, American Academy of Asthma, Allergy & Immunology
2002-Present Executive Council Collegium Internationale Allergologicum
2003-Present Interurban Clinical Club

Conference Organizer, Session Chair:

1997 Major Advances in Immunology, Eight Annual Symposium, Johns Hopkins
Asthma and Allergy Center Organizer and Moderator
1998 American Academy of Asthma, Allergy and Immunology Meeting,
Moderator, Postgraduate Plenary Program, Washington, D.C., March 13-18,
1998
2001 American Academy of Asthma, Allergy and Immunology, Co-Organizer and
Co-Chair: Defining Leadership in Allergy at the National Level
2003 American Academy of Asthma, Allergy and Immunology,
Certification/Recertification Course Planning Committee Member

Advisory Committees, Review Groups:

2003-Present Academic Advisory Board for the Pfizer Visiting Professorship Program in
Allergic Diseases and Asthma
2004-2005 Association of Subspecialty Professors (ASP) Representing Allergy
and Immunology Program Directors
2004-Present Pfizer Visiting Professorship in Allergic Diseases and
Asthma Advisory Board
2001-2005 FDA Allergenic Products Advisory Committee
1994-1996 American Academy of Asthma, Allergy and Immunology (National Society):
Postgraduate Education Committee
1995-2000 National Allergist in Residence Program AAAAI
2003-Present Women's Involvement in AAAAI 1995 – Present, Chair
1997-1998 Representative of the Mechanisms of Allergy Interest Section,
Chair, Postgraduate Education Committee
1999-Present Grant Review Committee, AAAAI
1989-Present Mechanisms of Allergy, Member, AAAAI Interest Section
1999-2001 Postgraduate Education Council
2005-Present JACI Liaison Committee
2005-Present AAAAI Awards Committee

Grant Reviewer/Study Section:

Medical Research Council of Canada
Swiss National Science Foundation
Netherlands Asthma Foundation
Study Section, Immunology, Veterans Administration, 1997-2000
Ad Hoc NIH Study Section, NHLBI, 1998
Ad Hoc NIH Study Section, NIAID-IMS, 2000
The Wellcome Trust, 2002

ZRG1ALY(05) NIH Special Emphasis Panel, 2004
The Wellcome Trust, 2005
Asthma, UK, 2005
Medical Research Council (MRC, UK), 2005
NIH Special Emphasis Panel ZRG-1 IMM-K, 2005
Philip Morris Research Grant Review, 2005
NIH Special Emphasis Panel ZRG-1 IMM-J, 2005

Consultantships:

Repligen Corporation, 1994
National Respiratory Consultant's Meeting (Pfizer), Vancouver, September, 1999
Astellas/Fujisawa, 2004-2005

RECOGNITION

Awards, honors:

1983 Baker Award for Clinical Excellence in Medicine
The Johns Hopkins Hospital
1986 Pfizer Postdoctoral Fellowship
1987 Physician Scientist Award
1988 Recipient of Travel Grant to the International Congress of
Allergology and Clinical Immunology, Montreux, Switzerland
1988 RJR/Nabisco Scholar Award in Pulmonary
1996 Eleanor Hood Gross Volunteer Leadership Award, YWCA of the
Greater Baltimore Area, Inc.
1999-2000 Dean, Edward Miller's Leadership Development Program for 32 faculty in the
Johns Hopkins School of Medicine
2001 American Academy of Asthma, Allergy and Immunology-Women Physicians
Leadership in Allergy Award
2002 Women in Leadership Award, Johns Hopkins University Women's Network
2003 Recipient of the David M. Levine Excellence in Mentoring Award,
Department of Medicine
2004 YWCA Baltimore City Women's Leadership Award for Science and
Education
2004 Department of Medicine Task Force on Women's Academic Careers,
Leadership in Academic Medicine Award
2005 Women's Involvement in American Academy of Allergy and Immunology
Special Recognition Award

Invited Talks:

Annual Meetings of the American Academy of Allergy and Immunology
1989 Anaheim
1990 Baltimore

1991	San Francisco
1992	Orlando
1993	Chicago
1994	Anaheim
1995	New York
1996	New Orleans
1997	San Francisco
1998	Washington, D.C.
1999	Orlando, Florida
2000	San Diego
2001	New Orleans
2002	New York
2003	Denver
2004	San Francisco
2005	San Antonio

European Congress of Allergology and Clinical Immunology
1989 Berlin, West Germany

Aspen Allergy Meeting, 1989

Collegium Internationale Allergologicum

1990	Madeira
1992	Capri
1994	Nantucket
1996	Austria
1998	Greece
2002	Bermuda
2004	Bornholm

American Board of Allergy and Immunology Review Course

1991	Chicago
1997	Chicago
1999	Chicago

American College of Allergy National Meeting

1992	Chicago, Plenary Speaker
1996	Boston, Plenary Speaker
1997	San Diego, Plenary Speaker, The John P. McGovern Named Lectureship

Sociedad Mexicana de Alergia E Immunologia

1992	47th National Congress of Allergy & Immunology Cancun, Mexico <i>Pathogenesis of asthma</i>
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Third International Meeting on Pathophysiology of Pulmonary Cells
1992 Torino, Italy

Medical College of Georgia Grand Rounds 1993

Illinois Society of Allergy and Clinical Immunology
1993 Chicago

American Federation of Clinical Research
1994 Baltimore

University of Seattle, 1995

University of Southampton, 1995

CIB, Amsterdam, 1995

Greater Baltimore Medical Center Grand Rounds - 1995

Juror on thesis defense, Amsterdam, 1995

Clinical Immunology Society National Meeting, New Orleans, 1996

NIH Food Allergy Workshop, 1996

NIH Asthma Meeting, 1997

Asthma V Meeting, Ischia, Italy, 1997

University of Connecticut Grand Rounds, 1997

Organizer - 8th Annual Asthma and Allergy Symposium, 1997

Pulmonary Research Group and the New Jersey Thoracic Society, 1997

Mentoring Program for Post-doctoral Fellows, September, 1997

Harvard University School of Medicine - Women in Medicine, January, 1998

Bristol-Myers Squibb Pharmaceutical Research Institute, "Biology of HRF," February, 1998

Cader Room Bench To Bedside Allergy and Asthma Lecture, Johns Hopkins Residents, The Johns Hopkins University School of Medicine. "Histamine Releasing Factor and Clinical Application". February, 1998

The Third International Workshop on Signal Transduction in the Activation and Development of Mast Cells and Basophils. National Institutes of Health, Bethesda, Maryland, March 7-11, 1998

Lecture: Human Recombinant Histamine Releasing Factor (HRF) Activates Basophils and Eosinophils.

American Academy of Allergy, Asthma and Immunology Meeting, Director, Plenary Session, Washington, D.C., March 13-18, 1998

American Academy of Allergy, Asthma and Immunology Meeting, Immunology Course, Part 1, (Specialty Course), Washington, D.C., March 13-18, 1998

"Work, Women and Families." 4th Quarter Class in the Department of Maternal and Child Health. Johns Hopkins School of Public Health, April 8, 1998

National Workshop on Mentoring. Washington, D.C., May 6, 1998

Sixth Faculty Affairs Professional Development Conference. Annapolis, Maryland, July 19-21, 1998

Frontiers in Research and Clinical Management of Asthma and Allergy: From Bench to Bedside. Annapolis Marriott Waterfront Hotel, Annapolis, Maryland, May 29-31, 1998
Lecture: Anti-Cytokine Therapy

Mentoring Program for Post-doctoral Fellows, September, 1998

Nuts and Bolts of Basic Research in a Clinical Department. Post-doctoral Career Day, October, 1998

22nd Symposium of the Colloquium Internationale Allergologica from "Molecular Science to the Treatment of Allergy," Corfu, Greece, September, 1998

Combined Pulmonary and Allergy Research Seminar, Johns Hopkins University, "HRF, A Novel Cytokine." October, 1998

Basics of a Research Academic Career, Johns Hopkins Residents, June, 1998

Allergy, Asthma and Immunology Society of Greater New York. New York, January, 1999

New England Society of Allergy, Burlington, Massachusetts, April, 1999

XXIII Annual Meeting of the Argentinean Allergy and Immunology Association, Buenos Aires, Argentina, May 9-12, 1999, Representative of the American Academy of Allergy, Asthma and Immunology and 2 basic science lectures.

Mentoring Program for Post-doctoral Fellows, September, 1999

Frontiers in Research and Clinical Management of Asthma and Allergy: From Bench to Bedside, Baltimore, March 31-April 2, 2000. Lecture: Molecular Basis of Hyper-responsive Basophils in Asthmatic Patients

Histamine Releasing Factor, A Unique Cytokine and Molecular Aspects of Releasibility. The Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio, July 26, 2000

Visiting Professor, University of Pennsylvania, October 5, 2000. Lectures: 1) Bench to Bedside: A Unique Cytokine Found *In Vivo* in the Late Phase Reaction. Its Link to Disease and to Hyper-responsiveness in Asthma. 2) Faculty Development of Women and Men.

Grand Rounds Johns Hopkins Department of Medicine February 2001

A Novel Cytokine and Its Relationship to Malaria, Grand Rounds Johns Hopkins Department of Medicine, February 2001

The Do's and Don'ts of Grant Writing, American Academy of Asthma, Allergy and Immunology, March 2001, March 2002, March 2003, March 2004

A Novel Cytokines and SHIPS Ahoy, Interurban Clinical Club, April 2001

Hyper-releasibility and the (SH2)-containing inositol 5' phosphatase (SHIP), The Fourth International Workshop on Signal Transduction in the Activation and Development of Mast Cells and Basophils, November, 2001

Designing a Mentoring Program-Johns Hopkins Oncology Department, October, 2001

Annual Johns Hopkins Department of Medicine Postdoctoral Retreat-An Academic Career in Basic Science, October, 2001

What it Means to be a Woman in Academic Medicine, Presented at the "Women Serious About Science," seminar series, Polytechnic Institute, 2002

NIH Cytokine Spring Symposium, May, 2003. *Plasmodium falciparum* histamine releasing factor – a possible therapeutic?

American Academy of Asthma, Allergy and Immunology Certification/Recertification Course, Mast Cells and Their Biology, Basophils and Their Biology, Chicago, June 2003

Johns Hopkins Department of Medicine, "The Importance of Mentoring," September, 2003

Johns Hopkins Women's Leadership Council, "Navigating the Promotions Process," Johns Hopkins, November, 2003

Johns Hopkins Bayview Department of Medicine, "The Importance of Mentoring,"
November, 2003

Johns Hopkins Division of Allergy, "The Do's and Don'ts of Grant Writing," November,
2003

Johns Hopkins Women's Leadership Council: The Promotion Process," Johns Hopkins,
November, 2004

Symposium on Mast Cells and Basophils: Development, Activation and Roles in
Allergic/Autoimmune Disease, Novartis Foundation, London, United Kingdom, November,
2004

Mast Cell Signaling and Function in Health and Disease, The Batsheva de Rothschild
International Workshop, Israel, February, 2005