

BRUCE SCOTT BOCHNER, M.D.

CURRICULUM VITAE

June 15, 2008

CURRENT APPOINTMENT: **Professor of Medicine, Department of Medicine**
 Director, Division of Allergy and Clinical Immunology,
 Johns Hopkins University School of Medicine

PERSONAL DATA:

Business Address: The Johns Hopkins Asthma and Allergy Center
 5501 Hopkins Bayview Circle, Room 2B.71C
 Baltimore, Maryland 21224-6801
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EDUCATION AND TRAINING:

Undergraduate:

B.A.	1974-1978	Johns Hopkins University Baltimore, Maryland Natural Sciences (with honors)
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Graduate and Professional:

M.D.	1978-1982	University of Illinois Abraham Lincoln School of Medicine Chicago, Illinois (with honors)
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Postdoctoral Training:

1982-1985	University of Illinois Hospitals Internship and Residency - Internal Medicine Chicago, Illinois
1985-1988	The Johns Hopkins University School of Medicine Fellowship Department of Medicine Division of Allergy and Clinical Immunology Baltimore, Maryland

CERTIFICATION:*Medical or Other Licensure:*

- 1983 Medical Licensure - State of Illinois
- 1985 Medical Licensure - State of Maryland

Medical Boards or Other Specialty Certification:

- 1985 Board Certification - Internal Medicine
- 1987 Board Certification - Allergy and Immunology

PROFESSIONAL EXPERIENCE:

- 1988-1989 Instructor in Medicine
Department of Medicine, Division of Allergy and Clinical Immunology
The Johns Hopkins University School of Medicine
- 1989-1994 Assistant Professor
Department of Medicine, Division of Allergy and Clinical Immunology
The Johns Hopkins University School of Medicine
- 1994-1999 Associate Professor
Department of Medicine, Division of Allergy and Clinical Immunology
The Johns Hopkins University School of Medicine
- 1999-present Professor
Department of Medicine, Division of Allergy and Clinical Immunology
The Johns Hopkins University School of Medicine
- 2003 Director, Division of Allergy and Clinical Immunology
The Johns Hopkins University School of Medicine

PROFESSIONAL ACTIVITIES:*Membership and Participation in Professional Societies:*

- Alpha Omega Alpha Medical Honors Society (1980 - present)
- American Academy of Allergy, Asthma and Immunology (Fellow since 1994)
- American College of Allergy, Asthma and Immunology (Fellow since 2006)
- American Association of Immunologists; Clinical Immunology Society (1997 - present)
- American Federation for Medical Research (1992 - present)
- American Society for Clinical Investigation (1998 - present)
- Collegium Internationale Allergologicum (1998 – present; Council Member 2008-2012)
- Board of Directors, American Board of Allergy and Immunology (2000 - 2005)
- Interurban Club (2005 - present)
- Board of Directors, American Academy of Allergy, Asthma and Immunology (2006 - present); leadership role for the Research and Training Division (2007 - present)
- Association of American Physicians (2006 - present)
- American College of Physicians (2007 – present, Fellow since 2008)

New York Academy of Sciences (2008-present)
 Johns Hopkins University Immunology Council, Vice Chairman for Seminars (1993-4);
 Vice Chair for Extramural Activities (1995-6); General Vice-Chairman (1998-9);
 Chairman (1999-2000); Counselor (2000-present)

Editorial, Administrative and Grant Review Activities:

Associate Director, Allergy and Immunology Training Program (1998 - 2003)
 Editorial Board, Journal of Allergy and Clinical Immunology (1993 - present)
 Associate Editor, Journal of Allergy and Clinical Immunology (1993 - present)
 Co-Editor-in-Chief, Allergy and Immunology Section, UpToDate (2006 - present)
 Associate Editor, Clinical and Translational Medicine (2007 - present)

Editorial Boards: American Journal of Respiratory Cell and Molecular Biology
 (1994-1998); Clinical and Experimental Allergy (1997-2000)

Referee for the following journals:

Nature, Science, New England Journal of Medicine, Annals of Internal Medicine,
 Journal of Immunology, Blood, American Journal of Respiratory and Critical Care
 Medicine, American Journal of Respiratory Cell and Molecular Biology, Journal of
 Clinical Investigation, Immunology, International Archives of Allergy and Applied
 Immunology, Clinical and Experimental Allergy, Clinical Immunology and
 Immunopathology, Cytokine, Journal of Immunological Methods, Laboratory
 Investigation, Journal of Leukocyte Biology, British Journal of Pharmacology

International Scientific Excellence Advisory Committee, AllerGen NCE Inc., McMaster
 University, Ontario, Canada (2005-present)

NIH Study sections: Allergy, Immunology, and Transplantation Research Committee,
 NIAID (1995-1999); Immunological Sciences/Hypersensitivity, Autoimmunity and
 Inflammation study section, NIAID (2000-2004)

Member, Research Advisory Committee; Vice-Chair, Mechanisms of Asthma & Allergic
 Inflammation Interest Section, American Academy of Allergy, Asthma and Immunology
 (1998-present)

Ad hoc reviewer of grant applications for:

Lung Biology and Pathology study section, NHLBI; Merit Review Grants, Veterans
 Administration; Cystic Fibrosis Foundation; The Wellcome Trust; Alberta Research
 Council; American Academy of Asthma, Allergy and Immunology; National Asthma
 Campaign; Nederlands Astma Fonds; Allergy, Genes and Environment Network
 (AllerGen); Special Emphasis Panel/Scientific Review Group for R21 applications on
 "Exploratory Investigations in Food Allergy" from the Division of Allergy, Immunology
 and Transplantation (DAIT), NIAID 2008

HONORS AND AWARDS:

- 1987 First place, President's Grant-in-Aid Award
American Academy of Allergy and Immunology
- 1988-1990 Clinician Scientist Career Development Award
The Johns Hopkins University School of Medicine;
New Investigator Research Grant, American Lung Association
- 1990 Developing Investigator Award, Asthma and Allergy Foundation of America
- 1992-1998 The Burroughs Wellcome Fund Developing Investigator Award in Immunopharmacology of Allergic Diseases; "Mechanisms of Eosinophil and Basophil Recruitment in Human Allergic Diseases"
- 1993 Recipient of the first Charles Reed lectureship, American Academy of Allergy and Immunology, Chicago, Illinois
- 1996-1998 Asthma and Allergy Foundation of America Cell Adhesion Molecular Research Project Grant award
- 1996 Honorable Mention, Pharmacia Allergy Research Foundation Award
- 1999 The Globus Award, The Mount Sinai Medical Journal
- 2002 American Academy of Allergy Asthma and Immunology annual meeting Abstract award for Fellows-in-Training (best abstract) - presented to Dr. Esra Nutku (postdoctoral fellow)
- 2004 Recipient of the 11th Charles Reed lectureship, American Academy of Allergy Asthma and Immunology, San Francisco, California
- 2005 Cosner Scholar in Translational Research, Johns Hopkins University
- 2005-2007 International Scientific Excellence Advisory Committee, AllerGen (Allergy, Genes and Environment Network) of Canada
- 2007 David M. Levine Excellence in Mentoring Award, Department of Medicine, Johns Hopkins University School of Medicine

PATENTS:

US Patents #5,994,149 (issued 11/30/99) and #6,300,140 (issued 10/9/01)
 "Rapid Test Employing an Adhesive Slide", Co-inventors Howard
 N. Robinson, M.D., Francisco Tausk, M.D., Neil Martin, M.D.

US Patent #6,146,845 (issued 11/20/2000, expires 3/12/2018)
 "Polynucleotides encoding a Sialoadhesin Family Member-2 (SAF-2)"
 Co-inventors Kristine Kay Kikly, Ph.D., Connie Lynn
 Erickson-Miller, Ph.D., Robert Schleimer, Ph.D.
 Broadest claim of this patent covers polynucleotides that are 80%
 identical to a polynucleotide that encodes the disclosed Siglec-8
 polypeptide. The claims also include expression vectors capable of
 producing the Siglec-8 polypeptide, host cells comprising these
 expression vectors and methods of making the polypeptide.

US Patent #7,214,772 (issued 5/8/2007)
 "Sialoadhesin Factor-2"
 Co-inventors Kristine Kay Kikly, Ph.D., Connie Lynn
 Erickson-Miller, Ph.D., Robert Schleimer, Ph.D.
 The claim of this patent application is for the polypeptide sequence
 of Siglec-8.

Patent pending: USSN 11/546586 and 11/546587, filed 10/12/2006
 "Sialoadhesin Factor-2 Antibodies"
 Co-inventors T. Esra Nutku Ph.D., Robert Schleimer, Ph.D.
 These applications claim antibodies that bind to Siglec-8 and
 methods of preventing or treating various diseases and/or
 conditions by administration of an agent that binds to Siglec-8.
 Equivalent applications are pending in Europe and Japan.

Patent pending: Publication #WO/2005/116088, filed 5/24/2005
 "Methods and compositions for treating diseases and disorders associated
 with Siglec-8 expressing cells"
 Co-inventors Bruce Scott Bochner, M.D., and Ronald L. Schnaar,
 Ph.D.
 The invention provides therapeutic methods and compositions for
 the prevention and treatment of Siglec-8 associated diseases and
 disorders such as asthma and allergic reactions. In particular, the
 invention provides methods and compositions for the prevention
 and treatment of diseases and disorders associated with Siglec-8
 expressing cells in humans, as well as other animals, through the
 administration of one or more novel, carbohydrate-based
 compounds. An equivalent application is pending in Europe.

INVITED LECTURES (2000-present):

2000

Systemic Aspects of Allergic Inflammatory Diseases

Orlando, Florida

"Systemic activation of basophils and eosinophils: markers and consequences"

Tanabe Seiyaku Co., LTD

Saitama, Japan

"Therapies for asthma that target adhesion molecules"

Showa University

Tokyo, Japan

"Future therapies for asthma"

First Interasma Conference, North Asia/Korea Chapter

Seoul National University College of Medicine

Seoul, South Korea

"Anti-IgE therapy for asthma: clinical and cellular considerations"

3rd International Symposium on Basic Approach to Allergic Rhinitis

Kyung Hee University

Suwon, South Korea

"Future therapies for allergic diseases: antagonists of adhesion molecules, cytokines and chemokines"

University of Miami School of Medicine

Miami, Florida

"Future therapies for asthma"

"Novel molecules involved in eosinophil activation and recruitment"

56th Meeting of the American Academy of Allergy Asthma and Immunology

San Diego, California

"Adhesion molecules as targets for immunotherapy"

Update on Pathophysiology and Management of Asthma

Symposium of the Asthma Network of Quebec

Quebec City, Canada

"Anti-IgE therapy"

15th Annual Frontiers in Research and Clinical Management of Asthma and Allergy

Johns Hopkins University School of Medicine

Baltimore, Maryland

"The eosinophil's contribution to asthma"

Grand Rounds, SUNY at Stony Brook

Stony Brook, New York

"Basis of new therapies for allergic diseases including asthma"

Grand Rounds, Montgomery General Hospital
Olney, Maryland
"Current and upcoming treatment options for allergic diseases"

Millennium Pharmaceuticals
Cambridge, Massachusetts
"Novel molecules involved in eosinophil activation and accumulation"

AtheroGenics
Alpharetta, Georgia
"The role of VLA-4 in allergic inflammation"

96th International Conference of the American Thoracic Society
Toronto, Canada
"Novel adhesion-mediated pathways for eosinophil recruitment"

Grand Rounds, US MEDSA (Merck)
West Point, Pennsylvania
"The future of asthma treatment"

Pulmonary and Allergy Colloquia, National Naval Medical Center
Bethesda, Maryland
"New directions in the treatment of asthma"

3rd Annual Clinical Seminar
St. Michaels, Maryland
"Therapies on the horizon for allergic diseases"

Cytokine Dysregulation, Inflammation, and Well-Being
National Institutes of Health, Bethesda, Maryland
"The inflammatory response"

Canadian Society of Allergy and Clinical Immunology
Toronto, Canada
"Immune mechanisms in allergy: adhesion molecules"

Merck 2000 National Consultants' Meeting
Aventura, Florida
"Hitting the target: mechanistic approaches to asthma therapy"

Human Genome Sciences
Rockville, Maryland
"Siglec-8 and its possible role in allergic inflammation"

Pfizer Symposium on Integrin Biology
Sandwich, England
"Asthma: pathogenesis and potential efficacy of integrin-based therapies"

Annual Meeting, American College of Asthma, Allergy & Immunology
Seattle, Washington (Plenary speaker)

"Anti-IgE therapy: efficacy and mechanism of action"

Puget Sound Allergy Society
Seattle, Washington

"Novel therapies targeting eosinophils"

Immunology Seminar, Northwestern University Medical School
Chicago, Illinois

"Novel adhesion-mediated pathways for selective eosinophil recruitment"

2001

Visiting Tisdale Professor and Grand Rounds
University of Vermont College of Medicine
Burlington, Vermont
"Future therapies for asthma"

Aventis Pharma Global Respiratory Pipeline Advisory Panel
New York, New York
"Product Update: VLA-4"

57th Meeting of the American Academy of Allergy Asthma and Immunology
New Orleans, Louisiana
"Fellows in Training Breakfast Program: Anti-adhesion molecule therapy"
"Perspectives on successful grant writing"

Grand Rounds
University of Medicine and Dentistry of New Jersey
Stratford, New Jersey
"Future therapies for asthma"

Pediatric Allergy Grand Rounds
Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania
"The status of adhesion molecule antagonists"

Pittsburgh Asthma and Allergy Society
Pittsburgh, Pennsylvania
"Anti-IgE therapy for allergic diseases"

International Eosinophil Symposium 2001
Banff, Alberta, Canada
"Pathways contributing to selective eosinophil recruitment"

Elan Pharmaceuticals
South San Francisco, California
"The role of VLA-4 in allergic diseases"

8th Annual Allergy Fellows Symposium
San Francisco, California

"Adhesion molecules in allergic diseases"

First Annual Resident and Fellow Asthma Summit
San Francisco, California
"Anti-cytokine therapies"

Carolina Allergy Society
Charlotte, North Carolina
"Update on future therapies for allergic diseases"

Sixth Lloyd V. Crawford Symposium on Allergy and Clinical Immunology
Memphis, Tennessee
"Anti-IgE therapy"

Annual Meeting, American College of Asthma, Allergy & Immunology
Orlando, Florida (Plenary speaker)
"Future therapeutic options in allergic diseases"

Immunology Research Conference
National Jewish Medical and Research Center
Denver, Colorado
"In search of novel adhesion molecules"

University of Wisconsin Medical School
Madison, Wisconsin
Department of Allergy Grand Rounds
"In search of novel adhesion molecules"
Department of Medicine Grand Rounds
"Novel therapies for allergic diseases that target leukocyte recruitment"

Asthma and Allergy Conference for first and second year residents
Elkart Lake, Wisconsin
"How do inflammatory cells walk and talk?"

2002

5th Annual Meakins-Christie Workshop on the Pathogenesis and
Treatment of Asthma
Bromont, Quebec, Canada
"Biology of Siglec-8"

58th Meeting of the American Academy of Allergy Asthma and Immunology
New York, New York
"Adhesion Molecule and Chemokine Antagonists"
"Advanced Research Seminar: Adhesion Networks in Asthma"

17th Annual Frontiers in Research and Clinical Management of Asthma and
Allergy
Johns Hopkins University School of Medicine
Baltimore, Maryland
"How inflammatory cells home to the lung in asthma"

"Cytokine antagonists as viable therapeutic entities"

Scientific Advisory Committee meeting
 Elan Pharmaceuticals
 San Diego, California
 "Extending Antegren's uses: asthma"

Eli Lilly Pharmaceuticals
 Indianapolis, Indiana
 "Siglec-8"

21st Congress of the European Academy of Allergology and Clinical Immunology
 Naples, Italy
 "Heterogeneity of Cells in Allergic Inflammation: Mast cells/Basophils/Eosinophils"

2nd Annual Meeting of the Federation of Clinical Immunology Societies
 San Francisco, California
 Distinguished Lecture Series: "Inflammatory Mechanisms in Asthma"

Aventis Airway Remodeling Advisory Board
 Charlottesville, Virginia
 "Adhesion molecules as therapeutic targets in lung remodeling"

4th APAPARI/9th TPAIS/11th PSCAI International Joint Meeting
 Tokyo, Japan
 "Adhesion molecules and chemokines as targets for treatment of allergic inflammation"
 "Siglec-8 and its role in allergic inflammation"

XIX. Congress of Czech and Slovak Societies of Allergology
 Karlovy Vary, Czech Republic
 "Novel therapies for allergic diseases that block cell recruitment"

24th Symposium of the Collegium Internationale Allergologicum
 Southampton, Bermuda
 "Expression and function of eosinophil, basophil and mast cell Siglecs"

Albert Einstein School of Medicine
 Bronx, New York
 "New therapies for asthma and allergies"

Grand Rounds
 Johns Hopkins Bayview Medical Center
 Baltimore, Maryland
 "Eosinophil-directed therapies for asthma: lessons learned"

Medical College of Virginia
 Richmond, Virginia
 "New therapies for asthma and allergies"

“Siglec-8 and its role in allergic inflammation”

2003

North Shore-Long Island Jewish Research Institute
New Hyde Park, New York
“Siglec-8 and its role in allergic inflammation”

Nassau University Medical Center (CME)
East Meadow, New York
“New therapies for asthma and allergies”

University of Illinois at Chicago College of Medicine (CME)
Chicago, Illinois
“Siglec-8 and its role in allergic inflammation”
“A re-evaluation of the role of eosinophils in asthma”

Grand Rounds (CME)
Good Samaritan Hospital
Baltimore, Maryland
“New treatments for asthma and allergic diseases”

59th Meeting of the American Academy of Allergy Asthma and Immunology
Denver, Colorado (CME)
"Role of Siglec-8 in allergic cellular responses”

Millennium Pharmaceuticals
Cambridge, Massachusetts
"Role of Siglec-8 in allergic cellular responses”

University of Chicago School of Medicine,
Section of Rheumatology
Chicago, Illinois
"Siglecs and their role in allergic cell biology”

Medimmune, Inc.
Gaithersburg, Maryland
"Siglec-8 as a potential therapeutic target for allergic diseases”

Asthma VI
Ischia, Italy
"Function of Siglec-8 on eosinophils, basophils and mast cells”

Brigham and Women’s Hospital
Division of Rheumatology/Allergy/Immunology
Boston, Massachusetts
"Role of Siglec-8 in allergic cellular responses”

San Diego Allergy Society (CME)
San Diego, California

"New therapies for allergies and asthma"

University of California, San Diego
Division of Rheumatology/Allergy/Immunology
San Diego, California

"Function of Siglec-8 on eosinophils, basophils and mast cells"

VIIth International Congress of the Polish Society of Allergology
Warsaw, Poland

"Anti-cytokine therapy for allergies and asthma"

World Allergy Organization Congress and XVIII ICACI
Vancouver, Canada

"Anti-adhesion molecules: the role of anti-VLA-4"

Grand Rounds (CME)
Johns Hopkins Bayview Medical Center
Baltimore, Maryland

"A novel, IgE-directed therapy for allergic asthma"

Grand Rounds (CME)
Johns Hopkins Hospital
Baltimore, Maryland

"Eosinophils and asthma: guilty or innocent?"

Update in Allergy and Immunology (CME)
Nassau University Medical Center
East Meadow, Long Island, New York

"New developments in treatment of allergic disease"

Allergy Rounds
Mt. Sinai School of Medicine
New York, New York

"Role of Siglec-8 in allergic cellular responses"

Divisions of Allergy and Pulmonary Medicine (CME)
The Mayo Clinic
Rochester, Minnesota

"New developments in the treatment of asthma and allergic disease"

Divisions of Allergy and Pulmonary Medicine (CME)
Yale University School of Medicine
New Haven, Connecticut

"Biology of Siglec-8: an inhibitory receptor on human eosinophils"

"Update on the status of VLA-4-targeted therapies for asthma"

2004

GlycoMimetics, Inc.
Rockville, Maryland

“Pathophysiology and treatment of asthma”

7th Annual Meakins-Christie Workshop on the Pathogenesis and Treatment of Asthma and COPD

Bromont, Quebec, Canada

"Glycolipids are the primary ligands on human neutrophils for E-selectin"

Grand Rounds (CME)

Allegheny General Hospital

Pittsburgh, Pennsylvania

"New developments in treatment of allergic diseases"

The Charles Reed Lectureship (CME)

60th Meeting of the American Academy of Allergy Asthma and Immunology

World Allergy Forum

San Francisco, California

"Future directions in allergy treatment"

18th Annual Frontiers in Research and Clinical Management of Asthma and Allergy (CME)

Johns Hopkins University School of Medicine

Baltimore, Maryland

"Anti-adhesion therapies for asthma and other inflammatory diseases"

The New York Allergy and Asthma Society (CME)

New York, New York

“Novel therapies for the treatment of asthma and allergic disease”

Plenary speaker

XXIII Congress of the European Academy of Allergology and Clinical Immunology

Amsterdam, The Netherlands

“Siglecs and their regulation of eosinophil, mast cell and basophil biology”

10th Meeting of the Society for Chinese Biologists in America

Beijing, China

“Inflammatory mechanisms in asthma”

Anhui Medical University

Hefei, China

“New therapies for allergic disease”

Tongji Medical School

Wuhan, China

“Inflammatory mechanisms in allergic airway diseases”

16th Annual Meeting, Association of Medical Laboratory Immunologists

Baltimore, Maryland (CME)

“Eosinophils in asthma: guilty or innocent?”

Biannual NIAID Asthma and Allergic Diseases Research Centers Meeting
Bethesda, Maryland
“Signals for allergic cell trafficking in humans in vivo”

XOMA Research Retreat
Berkeley, California
“New therapeutic targets for asthma and allergic diseases that focus on eosinophils, basophils and mast cells”

Protein Design Labs, Inc.
Fremont, California
“Novel anti-inflammatory therapies for asthma and allergic diseases”

Department of Clinical Immunology and Allergy, University of Naples Federico II
Naples, Italy
“Eosinophils in asthma: guilty or innocent?”

Pediatric and Internal Medicine Grand Rounds (CME)
North Shore Hospital and Long Island Jewish Medical Center
New Hyde Park, New York
“New therapies for allergic diseases”

North Shore Long Island Jewish Research Institute
New Hyde Park, New York
“Siglec-8: an inhibitory receptor on eosinophils and mast cells”

Division of Allergy and Immunology
University of Virginia Health Sciences Center
Charlottesville, Virginia
“Siglec-8: an inhibitory receptor on eosinophils and mast cells”

2005

8th Annual Meakins-Christie Workshop on Recent Advances in Asthma and COPD
Magog-Orford, Quebec, Canada
"Discovery of a candidate ligand for Siglec-8"

Boston City Wide Allergy and Immunology Rounds
Boston, Massachusetts
“How do inflammatory cells walk and talk?”
"Novel approaches to understanding nasal polyposis pathogenesis"

61st Meeting of the American Academy of Allergy Asthma and Immunology
San Antonio, Texas (CME)
Moderator and speaker
Minisymposium on Siglecs
"Siglec-8 and eosinophil biology"

Department of Medicine Annual Retreat
 The Johns Hopkins University School of Medicine
 Baltimore, Maryland
 “Is controlling inflammation the best approach to treating asthma?”

Pediatric Grand Rounds
 National Children’s Medical Center
 Washington, DC
 “New therapies for asthma”

19th Annual Mary L. Hayleck MD Memorial Lecture (CME)
 Asthma and Allergy Update in 2005 and Beyond
 Union Memorial Hospital
 Baltimore, Maryland
 “New therapies for asthma and allergic diseases”

Consortium for Functional Glycomics
 Participating Investigators Meeting
 National Institutes of Health
 Bethesda, Maryland
 “Function of Siglec-8 on human eosinophils and related cells”

Eosinophil-associated Disease: Approaches to Treatment
 Speaker and co-organizer
 Bern, Switzerland
 “Pro-apoptotic agents specific for eosinophils”

4th Biennial Symposium of the International Eosinophil Society
 Bern, Switzerland
 “Siglec-8: role in eosinophil survival and apoptosis”

Research Conference, Division of Allergy-Immunology
 Northwestern University Feinberg School of Medicine
 Chicago, Illinois
 “Novel approaches to understanding nasal polyposis pathogenesis”

19th Annual Frontiers in Research and Clinical Management of Asthma and Allergy (CME)
 Johns Hopkins University School of Medicine
 Baltimore, Maryland
 “Novel molecular targets: anti-TNF, anti-CD23, anti-Syk and anti-CD25”

World Allergy Congress 2005
 Munich, Germany
 “Siglec-8: an inhibitory receptor on human eosinophils and mast cells”

The Fourth Oklahoma Allergy and Asthma Clinic Endowed Lectureship
 University of Oklahoma School of Medicine (CME)
 Oklahoma City, Oklahoma
 “A brief history of inflammation: from concept to disease pathophysiology to

pharmacology”
 “Novel therapies for allergies and asthma”

Rheumatologic, Allergic and Asthmatic Disorders: From Practical Therapy to
 Cutting Edge (CME)

Division of Rheumatology, Allergy and Clinical Immunology

University of California, Davis

Incline Village, Nevada

“Novel therapies for allergies and asthma”

2006

Dyax Corp.

Cambridge, Massachusetts

"Inhibitory functions of Siglec-8 in mast cells and eosinophils"

9th Annual Meakins-Christie Workshop on Recent Advances in Asthma and
 COPD

St.-Adele, Quebec, Canada

"Inhibitory biology of Siglec-8 in mast cells and eosinophils"

62st Meeting of the American Academy of Allergy Asthma and Immunology
 Miami Beach, FL (CME)

"Siglec-8: an inhibitory receptor on mast cells and eosinophils"

"Using genomics to study chronic sinusitis"

Human Genome Sciences Corp.

Gaithersburg, MD

"Inhibitory functions of Siglec-8/Siglec-F in mast cells and eosinophils"

AAAAI/EAACI Anaphylaxis PRACTALL Meeting

New York, NY

"Effector mechanisms in anaphylaxis"

Global Allergy Summit 2006

Istanbul, Turkey

"New mechanisms to treat allergies and asthma"

National Institutes of Allergy and Infectious Diseases Grand Rounds

National Institutes of Health

Bethesda, MD

"Biology of Siglec-8/Siglec-F: inhibitory receptors on eosinophils and mast cells"

AAAAI/EAACI Anaphylaxis PRACTALL meeting

New York, NY

"Effector mechanisms in anaphylaxis"

Collegium Internationale Allergologicum meeting

St. Julian's, Malta

"Surface expression, inhibitory function, and candidate ligand for Siglec-8 on

human mast cells"

5th Alec Sehon Distinguished Professorship in Allergy

University of Manitoba

Winnipeg, Canada

"Siglec-8/Siglec-F on eosinophils and mast cells: expression, ligands and inhibitory function"

Avidia Inc.

Mountain View, California"

"Novel therapies for allergic diseases"

Faculty member and reviewer

Respiratory Disease Young Investigator Forum

Boston, Massachusetts

Department of Biology Seminar Series

Johns Hopkins University

Baltimore, Maryland

"Siglec-8/Siglec-F: carbohydrate-binding inhibitory receptors on eosinophils and mast cells"

Broward County Journal Club

Boca Raton, Florida

"Therapeutic options for asthma and allergic diseases: the next 5 years"

2007

63st Meeting of the American Academy of Allergy Asthma and Immunology
 San Diego, California (CME)
 "Preparing for an academic career"

Greater Wilmington Allergy Group
 Wilmington, DE
 "Therapeutic options for asthma and allergic diseases: the next 5 years"

Allergy Update Conference
 Department of Immunobiology and Division of Clinical Immunology
 Mt. Sinai School of Medicine
 New York, New York
 "Novel therapies for asthma, allergies and related disorders"

Medical Grand Rounds
 University of Louisville
 Louisville, KY
 "New Therapies for Allergy, Asthma & Related Disorders"

Research Conference, Division of Allergy-Immunology
 Northwestern University Feinberg School of Medicine
 Chicago, Illinois
 "Siglec 8 and Siglec F: Sialic acid binding inhibitory receptors on allergic effector cells"

Signature Program In Allergy, Immunology and Infectious Disease (SPAIID)
 Annual Conference
 University of Southern Florida
 Tampa, Florida
 "Therapeutic options for asthma, allergy and related disorders: The next 5 years"

The Philip A. Tumulty Topics in Clinical Medicine Course 2007
 Johns Hopkins Medicine
 Baltimore, MD
 "Evaluation and treatment of eosinophilia from the allergist/immunologist perspective"

Advances in the Diagnosis and Treatment of the Rheumatic Diseases
 Department of Medicine, Division of Rheumatology
 Baltimore, MD
 "The evaluation of eosinophilia"

Medical education conference
 Tokyo, Japan
 "Therapeutic options for asthma, allergy and related disorders: The next 5 years"

The 19th Spring Meeting of the Japanese Allergology Society
 Yokohama, Japan

“Siglec-8: a novel target of eosinophilic and mast cell-associated diseases”

5th Biennial Symposium of the International Eosinophil Society
Snowbird, Utah

“Localization and characterization of glycan ligands for Siglec-F, the murine paralogue of the eosinophil inhibitory receptor Siglec-8”

10th Annual Scientific Session, Intermountain West Allergy Association
Snowbird, Utah

“Five year fast forward: treatments for allergy and asthma”

Medical education conference (via videoconference link from Johns Hopkins)
Al Noor Hospital, Abu Dhabi, United Arab Emirates

“Therapeutic options for asthma, allergy and related disorders: the next 5 years”

15th National Allergy and Clinical Immunology Congress
Antalya, Turkey

“New treatments for allergies and asthma: the next five years”

“Workup and treatment of the patient with eosinophilia from the allergist/immunologist perspective”

World Allergy Congress 2007

Bangkok, Thailand

Anaphylaxis symposium: “New concepts in pathogenesis”

Plenary lecture: “Allergic inflammation: update on adhesion molecules and inhibitory receptors”

2008

Genentech Corporation

South San Francisco, California

“New therapies for asthma, allergy and related disorders: the next 5 years”

“Siglec-8: a novel target of eosinophilic and mast cell-associated diseases”

11th Annual Meakins-Christie Workshop on Recent Advances in Asthma and COPD

Orford, Quebec, Canada

"In search of a lung ligand for Siglec-8/Siglec-F on eosinophils"

Medical education conference (via videoconference link from Johns Hopkins)
Al Mishari Hospital, Saudi Arabia

“Therapeutic options for asthma, allergy and related disorders: the next 5 years”

64st Meeting of the American Academy of Allergy Asthma and Immunology
Philadelphia, Pennsylvania

"Fellowship to faculty transition: Preparing for an academic career"

ST*AR Program

Mentor, moderator, speaker: “Why do allergy/immunology research”

Physiology Spring Seminar series
Division of Physiology, Bloomberg School of Public Health
Johns Hopkins University
Baltimore, Maryland
"Siglec-8 and Siglec-F: paralog inhibitory receptors on eosinophils and mast cells."

GlycoMimetics, Inc.
Gaithersburg, Maryland
"Update on Siglec-8 and Siglec-F biology"

Amgen, Inc.
Seattle, Washington
"Siglec-8 and Siglec-F: paralog inhibitory receptors on eosinophils and mast cells."

Grand rounds
Howard University Hospital
Washington, DC
"New treatments for asthma, allergy and related disorders: the next 5 years"

PEER-REVIEWED PUBLICATIONS:

1. Thomas, L.L., Bochner, B.S., Lichtenstein, L.M. Inhibition of human polymorphonuclear leukocyte-derived histaminase activity by H₂ antagonists.
Biochem. Pharm. 27:2562-2565, 1978
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