

CURRICULUM VITAE

Mitchell H. Grayson MD

Associate Professor
Department of Pediatrics, Medicine, Microbiology and Molecular Genetics
Division of Allergy

HOME ADDRESS:

(b) (6)

OFFICE ADDRESS:

Children's Hosp Ofc Bldg
9000 W Wisconsin Ave
Milwaukee, WI 53226
Phone: 414-955-5648
Fax: 414-955-6323
Email: mgrayson@mcw.edu

PLACE OF BIRTH:

(b) (6)

CITIZENSHIP:

(b) (6)

EDUCATION:

1985 - 1989 B.A., Knox College, Galesburg, IL
1989 - 1993 M.D., The University of Chicago/Pritzker School of Medicine, Chicago, IL

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

1993 - 1995 Internship and Residency, Internal Medicine, Hospitals of the University of Pennsylvania, Philadelphia, PA
1995 - 1998 Fellowship, Department of Medicine, Division of Allergy and Clinical Immunology, Johns Hopkins University School of Medicine, Baltimore, MD

FACULTY APPOINTMENTS:

1994 - 1995 Assistant Instructor, Department of Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
1998 - 2003 Instructor, Dept. of Medicine, Division of Allergy and Immunology, Washington University School of Medicine, St. Louis, MO
2003 - 2008 Assistant Professor, Dept. of Medicine, Division of Allergy and Immunology, Washington University School of Medicine, St. Louis, MO
2008 - Present Associate Professor, Dept. of Pediatrics, Medicine, Microbiology and Molecular Genetics, Section of Allergy and Immunology, Medical College of Wisconsin, Milwaukee, WI

ADMINISTRATIVE APPOINTMENTS:

11/2011 - Present Director, Fight Asthma Milwaukee (FAM) Allies, Milwaukee, WI
 1/24/2013 - Present Co-Director, Infection, Inflammation & Immunity Research Unit, Children's Research Institute, Children's Hospital of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

1998 - Present Allergy Consult Attending ,
 1998 - Present Allergy and Immunology attending,
 1998 - Present Allergy Clinic Attending ,
 1999 - 2008 Internal Medicine inpatient attending ,

HOSPITAL STAFF PRIVILEGES:

2008 - Present Froedtert Hospital , Milwaukee, WI
 2008 - Present Children's Hospital of Wisconsin, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
National Board of Medical Examiners	1994	None
American Board of Internal Medicine	1996	12/31/2006
American Board of Allergy and Immunology	1999	12/31/2019

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Pennsylvania	MT-032457-T	1993	1995
Maryland	D0051420	1996	None
Missouri	MD116080	1998	None
Wisconsin	51665-20	2008	10/31/2015

AWARDS AND HONORS:

1989 Student Summer Research Award, National Institutes of Health
 1989 Elected to membership, Sigma Xi
 1989 Elected to membership, Phi Beta Kappa
 1998 Elected to Fellow, American Academy of Allergy, Asthma and Immunology
 1998 Globus Award for best clinical paper, Mt. Sinai Journal of Medicine
 1999 Pharmacia Fellowship Award
 2001 New Outstanding Volunteer, American Lung Association of Eastern Missouri
 2001 Saturday Service Award, Washington University's Saturday Neighborhood Health Center
 2004 - Present American Academy of Allergy, Asthma, and Immunology Interest Section Award
 2007 Orchid Award, Asthma and Allergy Foundation of America, Saint Louis Chapter
 2007 Elected to Fellow, American College of Allergy, Asthma and Immunology
 2007 Professor Pro Tempore, The University of Mississippi Medical Center School of Medicine, Department of Medicine
 2008 Ad hoc grant reviewer, A*Star Biomedical Research Council of Singapore
 2008 Ad hoc grant reviewer, AsthmaUK
 2009 Ad hoc grant reviewer, The Wellcome Trust
 2009 Mail reviewer, NIH CSR Study Section (ZRG1 CVRS B (58) R)
 2009 - 2014 Voted as a "Best Doctor", Best Doctors of America
 2009 - 2012 Ad hoc member, NIH CSR Study Section (LCMI)
 2009 Ad hoc member, NIH NIAID Study Section (SEP ZAI1-SV-I(J1))
 2009 Ad hoc member, NIH CSR Study Section (III)
 2009 Ad hoc member, NIH CSR Study Section (SEP ZRG1 IMM-B)
 2009 - 2010 PRMRP GSFARP study section member, Department of Defense

2010 Ad hoc member, NIH CSR Study Section (SEP ZRG1 CVRS-J02 M)
2010 - Present AAAAI/ALA Joint Research Award grant reviewer, American Academy of Allergy, Asthma and Immunology and the American Lung Association
2010 Ad hoc member, NIH NIAID Study Section (SEP ZAI1-WFD-I-(M3))
2010 - 2011 MCW Outstanding Medical Student Teachers, Medical College of Wisconsin
2010 Inducted into membership, Collegium Internationale Allergologicum
2010 Alain L. deWeck Travel Grant awardee, 28th symposium of the Collegium Internationale Allergologicum
2011 Selected as a Top Allergist/Immunologist, International Association of Healthcare Professionals (IAHCP). Spotlighted in The Leading Physicians of the World
2011 - Present Chair, AAAAI ART Grant Review Study Section
2011 Named one of "America's Top Physicians" in Allergy and Immunology, Consumers' Research Council of America
2011 - 2013 Ad hoc member, NIH NHLBI LRP Study Section
6/5/2012 Ad hoc member, NIH NHLBI Study Section (SEP ZHL1 CSR-F (S1))
10/2/2012 - 10/3/2012 Ad hoc member, LCMI Study Section, National Institutes of Health, CSR
4/26/2013 Elected Member, American Society for Clinical Investigation (ASCI)
9/2013 - 9/2017 AITC Study Section Standing Member, NIH (NIAID)
3/2/2014 Elliot F. Ellis Memorial Lectureship, American Academy of Allergy, Asthma, and Immunology

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1995 - Present American Association for the Advancement of Science (Member)
1995 - 1999 American College of Physicians (Associate Member)
1995 - 2007 American College of Allergy, Asthma, and Immunology (Member)
1996 - 1998 American Academy of Allergy, Asthma, and Immunology (Member)
1998 - 2004 American Association of Immunologists (Post-Doc Member)
1998 - Present American Academy of Allergy, Asthma, and Immunology (Fellow)
1999 - 2004 American College of Physicians (Member)
2000 - Present Clinical Immunology Society (Member)
2001 - Present European Academy of Allergology and Clinical Immunology (Member)
2001 - 2006 Siteman Cancer Center at Washington University School of Medicine (Research Associate Member)
2004 - Present American Association of Immunologists (Member)
2005 - 2008 Washington University Digestive Diseases Research Core Center (Associate Member)
2006 - 2008 Siteman Cancer Center at Washington University School of Medicine (Affiliate Member)
2007 - Present American College of Allergy, Asthma, and Immunology (Fellow)
2009 - Present Society for Mucosal Immunology (Member)
2010 - Present Collegium Internationale Allergologicum (Elected member)
2013 - Present American Society for Clinical Investigation (ASCI) (Elected Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorship

2007 - 12/31/2011 Annals of Allergy, Asthma & Immunology (Associate Editor)
1/1/2012 - Present Annals of Allergy, Asthma & Immunology (Deputy Editor)

Editorial Board

2006 - Present Annals of Allergy, Asthma & Immunology
2007 - Present The Open Immunology Journal
2007 - 2012 Journal of Allergy and Clinical Immunology
2009 - 2011 Clinical Therapeutics
2010 - Present ISRN Allergy
11/15/2011 - 2015 World Journal of Translational Medicine
7/1/2012 - 6/30/2016 Journal of Immunology (Associate Editor)
2014 - 2019 Journal of Allergy and Clinical Immunology

Journal Review

2002 - Present American Journal of Rhinology

2002 - Present Annals of Allergy, Asthma, and Immunology
 2002 - Present Thorax
 2002 - Present Clinical Therapeutics
 2002 - Present Am J Physiol Lung Cellular Mol Physiol
 2002 - Present Am J Physiol Gastrointest Liver Physiol
 2002 - Present Human Immunology
 2002 - Present American Journal of Respiratory, Cell, and Molecular Biology
 2002 - Present Am J Physiol Regul Integr Comp Physiol
 2002 - Present Journal of Allergy and Clinical Immunology
 2002 - Present Expert Review of Clinical Immunology
 2002 - Present Journal of Experimental Medicine
 2002 - Present International Archives of Allergy and Immunology
 2002 - Present Clinical Immunology
 2002 - Present Journal of Immunology
 2002 - Present American Journal of Respiratory and Critical Care Medicine
 2002 - Present Clinical Experimental Allergy
 2002 - Present Current Drug Targets—Inflammation and Allergy
 2002 - Present European Journal of Immunology
 2011 - Present BMC Medicine
 2013 - Present Journal of Clinical Investigation

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

1992 Teaching assistant, Pathology (Cell Biology 306), The University of Chicago/Pritzker School of Medicine
 1993 Teaching assistant, Physical Diagnosis, The University of Chicago/Pritzker School of Medicine
 1996 - 1997 Small group discussion lead, Human Pathophysiology, Immunology Unit, Johns Hopkins University School of Medicine
 1997 Case discussant, Merck and Company Preceptorship Program, Johns Hopkins Asthma and Allergy Center
 1997 - 1998 Clinical physician, presenter, and case discussant, Glaxo Wellcome Physician Preceptorship Program, Johns Hopkins Asthma and Allergy Center
 1999 - 2006 Member, American Lung Association of Eastern Missouri
 2000 - 2008 Member, Asthma and Allergy Foundation of America, Saint Louis Chapter
 2000 - 2003 Vice-Chair, Best Practices Committee, Saint Louis Asthma Consortium
 2000 - 2008 Coursemaster, Washington Univ. Allergy Fellowship Fellows' Conference
 2000 - 2005 Member, Saint Louis Asthma Consortium
 2003 - 2008 Member of the Board of Directors, Asthma and Allergy Foundation of America, Saint Louis Chapter
 2003 Faculty advisor, Health Promotion and Disease Prevention course, Washington Univ. School of Medicine
 2003 - 2004 Secretary/Treasurer, Saint Louis Asthma Consortium
 2003 - 2008 Coursemaster, Washington Univ. Allergy Fellowship Journal Club
 2003 - 2004 Chair, Saint Louis Asthma Consortium, Best Practices Committee
 2004 - 2006 Member, Asthma Education Committee, American Lung Association of Eastern Missouri
 2004 - 2008 Advisory board member, Mentors In Medicine, Washington Univ. School of Medicine
 2004 - 2007 Member, Department of Internal Medicine Intern Selection Committee, Washington University School of Medicine
 2004 Member, Camp Superkids Committee, American Lung Association of Eastern Missouri
 2005 Member, Community Initiatives Committee, American Lung Association of Eastern Missouri
 2006 - 2008 Co-chair, The Washington Manual Comprehensive Internal Medicine and Board Review Course
 2006 - 2008 Chair, program committee, Asthma and Allergy Foundation of America, Saint Louis Chapter
 11/2011 - Present Director, Fight Asthma Milwaukee (FAM) Allies
 1/2012 - 12/2012 Member, Chair's Research Advisory Committee, Medical College of Wisconsin, Department of Pediatrics
 4/8/2013 - Present Co-Leader for the Inflammation and Immunology Work Group, Dean's Research Strategy Work Group, Medical College of Wisconsin

2013 Member, Honors in Research Thesis Review Committee, Medical College of Wisconsin

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 2001 - 2009 Author of medical ethics column (bimonthly 2001-2006; annual 2006-2009) , Academy News, American Academy of Allergy, Asthma, and Immunology
- 2001 - 2004 Speaker's Bureau, American Academy of Allergy, Asthma, and Immunology
- 2001 - 2004 Member, Young Allergist Committee, American Academy of Allergy, Asthma, and Immunology
- 2001 - 2014 Member, Ethics Committee, American Academy of Allergy, Asthma, and Immunology
- 2003 - 2005 Vice-Chair, Ethics Committee, American Academy of Allergy, Asthma, and Immunology
- 2004 - 2009 Faculty Advisor, Fellow-in-Training Committee, American Academy of Allergy, Asthma, and Immunology
- 2004 - 2007 Member, Abstract Review Committee, American Academy of Allergy, Asthma, and Immunology
- 2004 - 2005 Member, Web-Education Task Force, Clinical Immunology Society
- 2004 - 2009 Moderator and faculty co-advisor, Fellows-In-Training program, American Academy of Allergy, Asthma, and Immunology
- 2005 - 2007 Chair, Ethics Committee, American Academy of Allergy, Asthma, and Immunology
- 2007 - 2013 Member, Practice Management Workshop Committee, American Academy of Allergy, Asthma, and Immunology
- 2007 - 2012 Member, Grants Review Committee, American Academy of Allergy, Asthma, and Immunology
- 2008 Ad hoc grant reviewer, AsthmaUK
- 2008 - 2010 Member, Professional Allergy/Immunology Education Committee, American College of Allergy, Asthma, and Immunology
- 2008 Ad hoc reviewer, A*Star Grants, Biomedical Research Council of Singapore
- 2009 - 2010 member, PRMRP GSFARP study section, Department of Defense
- 2009 - 2014 Member, Literature Review Committee, American College of Allergy, Asthma, and Immunology
- 2009 - 2014 Member, Abstract Review Committee, American College of Allergy, Asthma, and Immunology
- 2009 - Present Member, Mechanisms of Asthma & Allergic Inflammation (MAAI) Interest Section, American Academy of Allergy, Asthma, and Immunology
- 2009 Ad hoc member, Study Section (SEP ZAI1-SV-I-(J1)), National Institute of Allergy and Infectious Diseases - NIH
- 2009 - 2011 Secretary, Mechanisms of Asthma & Allergic Inflammation (MAAI) Interest Section, American Academy of Allergy, Asthma, and Immunology
- 2009 - 2016 Member, Annual Meeting Program Committee, American Academy of Allergy, Asthma, and Immunology
- 2009 Ad hoc member, CSR Study Section (SEP ZRG1 IMM-B), NIH
- 2009 Mail reviewer, CSR Study Section ZRG1 CVRS B (58) R, NIH
- 2009 Ad hoc member, Lung, Cellular, and Molecular Immunobiology (LCMI) Study Section, NIH
- 2009 Ad hoc member, Innate Immunity and Inflammation (III) Study Section, NIH
- 2009 Ad hoc grant reviewer, The Wellcome Trust
- 2010 - Present Member, Research Grant Review Committee, American Academy of Allergy, Asthma, and Immunology and the American Lung Association
- 2010 Ad hoc member, Study Section (SEP ZAI1-WFD-I-(M3)), National Institute of Allergy and Infectious Diseases - NIH
- 2010 Ad hoc member, CSR Study Section (SEP ZRG1 CVRS-J (02) M), NIH
- 11/30/2011 - 12/1/2012 Ad hoc member, Study Section ZAI1 PA-I (J1) 1, National Institute of Allergy and Infectious Diseases - NIH
- 2011 Ad hoc member, Loan Repayment Program Study Section (ZHL1 CCT-B (C2) 1), National Heart, Lung, and Blood Institute - NIH
- 2011 - 2013 Member, Symposium Committee, American College of Allergy, Asthma, and Immunology
- 2011 Ad hoc member, Lung, Cellular, and Molecular Immunobiology (LCMI) Study Section, NIH
- 2011 - 2013 Vice-Chair, Mechanisms of Asthma & Allergic Inflammation (MAAI) Interest Section, American Academy of Allergy, Asthma, and Immunology
- 2011 - 2013 Chair, ARTrust grant review committee, American Academy of Allergy, Asthma, and Immunology
- 2/16/2012 - 12/31/2013 Member, Scientific and Clinical Issues Council, World Allergy Organization

10/2/2012 - 10/3/2012 Ad hoc member, LCMI Study Section, National Institutes of Health, CSR
 11/1/2012 - Present Member, "Ask the Expert" Expert Panel, World Allergy Organization
 2012 - 2014 Vice-Chair, Seminar Subcommittee, American Academy of Allergy, Asthma, and Immunology
 2012 Ad hoc member, Biomedical Research Grant Review, Italian Ministry of Health
 1/1/2013 - 12/31/2015 Member, Board of Directors, Asthma and Allergy Foundation of America
 7/10/2013 - Present Chair, Basic and Mechanistic Science and Scientists Task Force, American Academy of Allergy, Asthma, and Immunology
 9/2013 - 4/2014 Reviewer, Immune Clinical Correlations Non-Advocate Review Panel, National Aeronautics and Space Administration (NASA)
 9/2013 - 9/2017 Standing committee member, AITC Study Section, NIAID / NIH
 2013 - 2015 Member, Needs Assessment and Outcomes Subcommittee, American Academy of Allergy, Asthma, and Immunology
 2013 - 2015 Member, Practice, Diagnostics and Therapeutics Committee, American Academy of Allergy, Asthma, and Immunology
 2013 - 2015 Chair, Mechanisms of Asthma & Allergic Inflammation (MAAI) Interest Section, American Academy of Allergy, Asthma, and Immunology
 2014 - 2016 Chair, Seminar Subcommittee, American Academy of Allergy, Asthma, and Immunology

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title: Dendritic cells in atopic and virus-induced airway disease
 Source: NIH R01 HL087778
 Role: PI
 PI: Mitchell H. Grayson
 Dates: 6/15/2008 - 4/30/2014
 Direct Funds: \$1,250,000

Non-Peer Review

Title: Lung and respiratory infection research
 Source: Children's Research Institute of the Children's Hospital of Wisconsin
 Role: PI
 PI: Grayson MH
 Dates: 7/1/2013 - 12/31/2013
 Direct Funds: (b) (4)

Title: Effect of P0130184 on Sendai virus (SeV)-induced airway inflammation in mice
 Source: Polyphor, Ltd
 Role: PI
 PI: Mitchell Grayson, MD
 Dates: 12/1/2013 - 11/30/2014
 Direct Funds: (b) (4)

Prior

Peer Review

Title: Lymphocyte homing to the spleen
 Source: Barnes-Jewish Foundation
 Role: PI
 Dates: 1/1/2000 - 3/31/2002
 Direct Funds: (b) (4)

Title: Lymphocyte homing to the spleen
 Source: NIH K08 AI1800

Role: PI
PI: Mitchell H. Grayson
Dates: 9/1/2001 - 8/31/2007
Direct Funds: \$540,000

Title: Controlling asthma in St. Louis
Source: CDC Grant PA 03030
Role: Co-investigator
PI: Mario Castro
Dates: 10/1/2003 - 6/14/2004
Direct Funds: \$744,604

Title: Chemokine and dendritic cell activity in viral airway disease
Source: American Academy of Allergy, Asthma, and Immunology
Role: PI
PI: Mitchell H. Grayson
Dates: 1/1/2004 - 12/31/2004
Direct Funds: (b) (4)

Title: Functional significance of Fc γ RI on murine dendritic cells
Source: Genentech, Inc./Novartis, Inc.
Role: PI
PI: Mitchell H. Grayson
Dates: 1/1/2005 - 12/31/2005
Direct Funds: (b) (4)

Title: Urban environment and childhood asthma (URECA)/Inner city asthma consortium (ICAC)
Source: NIH DAIT 02-11
Role: Laboratory PI
Dates: 7/1/2005 - 3/31/2008

Title: AADCRC "Innate and adaptive immune signaling in asthma" (overall) Project 1, "Stat1 signaling and airway epithelial cells"
Source: NIH U19 AI070489
Role: Co-investigator
PI: Michael J. Holtzman
Dates: 7/1/2006 - 3/31/2008
Direct Funds: \$246,000 (Overall direct funds: \$975,701)

Title: Induction of food allergy by intestinal dendritic cells"
Source: NIH R21 AI079905
Role: PI
PI: Mitchell H. Grayson
Dates: 6/18/2008 - 5/31/2010
Direct Funds: \$250,000

Title: Developmental expression of dendritic cell Fc γ RI
Source: Genentech, Inc.
Role: PI
PI: Mitchell H. Grayson
Dates: 3/23/2009 - 12/31/2010
Direct Funds: (b) (4)

Title: Induction of food allergy by intestinal dendritic cells" (Summer student ARRA supplement)
Source: NIH R21 AI079905-02S1

Role: PI
PI: Mitchell H. Grayson
Dates: 7/14/2009 - 9/30/2010
Direct Funds: \$22,082

Title: Dendritic cells in atopic and virus-induced airway disease" (ARRA supplement)
Source: NIH R01 HL087778-02S1
Role: PI
PI: Mitchell H. Grayson
Dates: 8/1/2009 - 7/31/2011
Direct Funds: \$276,422

Title: Relationship Between CD49d Expressing Neutrophils and Atopic Disease
Source: Merck
Role: PI
PI: Mitchell H. Grayson
Dates: 4/1/2012 - 5/31/2013
Direct Funds: (b) (4)

Non-Peer Review

Title: Studies of novel pathway translating viral infection into allergic disease
Source: Children's Research Institute
Role: PI
PI: Mitchell H. Grayson
Dates: 7/1/2009 - 12/31/2009
Direct Funds: (b) (4)

Title: Virus and atopic diseases
Source: Children's Research Institute
Role: PI
PI: Mitchell H. Grayson
Dates: 1/1/2010 - 12/31/2011
Direct Funds: (b) (4)

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

1. Medical College of Wisconsin Allergy/Immunology Grand Rounds (2 per year), 2008 - Present
2. Children's Research Institute "Are dendritic cells the link between viral and atopic disease?" , Milwaukee, WI, 2008
3. Blood Research Institute invited speaker, "Dendritic cells and IgE: the link between viral and atopic disease?", Blood Center of Wisconsin. Milwaukee, WI, 2009
4. Children's Research Institute "Impact of the microbiome on the immune system" , Milwaukee, WI, 2010
5. Grayson MH, Are Viral Infections the Cause of Atopic Disease?, 3rd Annual Committee on Immunology Conference, Blood Research Center, Milwaukee, WI, 9/22/2011
6. Grayson MH, The role of Viral Infection in the Development of Atopic Disease, MCW Pediatric Infectious Disease Grand Rounds, Milwaukee, WI, 12/1/2011
7. Grayson MH, The role of Viruses in the Development of Atopy, MCW Allergy and Immunology Grand Rounds, Milwaukee, WI, 12/2/2011
8. Grayson MH, Are Viral Infections the Cause of Atopic Disease, MCW Dept. of Pediatrics, Pulmonary Division Work In Progress, Milwaukee, WI, 2/7/2012
9. Grayson MH, Mucosal immunity: the gut-lung axis, MCW Department of Microbiology and Molecular Genetics Research Conference, Milwaukee, WI, 5/14/2012
10. Grayson MH, Asthma and pollution, Idle Reduction Workshop - WI Clean Cities, Partners for Clean Air, Oak Creek, WI, 8/21/2012
11. Grayson MH, Are Viral Infections the Cause of Asthma and Atopic Disease?, Fight Asthma Milwaukee

- (FAM) Allies Coalition Meeting, Milwaukee, WI, 11/27/2012
12. Grayson MH., Greening Your School Bus Service, Wisconsin Clean Cities, Webinar, 11/19/2013
 13. Grayson MH., Asthma Pathophysiology, American Lung Association's Environmental Improvements for Children's Asthma, Webinar (Milwaukee, WI), 1/8/2014
 14. Grayson MH., Are Respiratory Viruses the Cause of Atopy?, Pediatric Pulmonary Research In Progress, Medical College of Wisconsin, Milwaukee, WI, 2/4/2014

Regional

1. Allergy/Immunology lecturer , Osler Board Review Program (review program for Pediatrics, Internal Medicine, and Family Practice), 1998 - 2004
2. Lecturer on eosinophil biology and asthma , Washington Univ. School of Medicine Human Immunology graduate course, Molecular Mechanisms of Disease, 2000 - 2005
3. Allergy/Immunology lecturer , Washington Univ. School of Medicine and Barnes-Jewish Hospital CME programs, 2000 - 2007
4. Lecturer on Th1/Th2 lymphocyte biology, Scientific Foundations in Translational Research program, Washington Univ. School of Medicine., 2001 - 2002
5. Lecturer on allergy and immunology, The Washington Manual Comprehensive Internal Medicine and Board Review Course, 2001 - 2007
6. Lecturer on allergy and immunology , Internal Medicine Core Curriculum program for internal medicine residents , Washington Univ. School of Medicine, 2001 - 2007
7. Merck/AAAS USRP Seminar invited speaker, "Beyond show and tell: the role of dendritic cells in viral airway disease" , Knox College, Galesburg, IL, 2005
8. Washington University Clinicopathologic Conference case discussant. "21-year old African-American female with 5-week history of an intermittent rash.", 2007
9. "Update on the diagnosis and treatment of asthma", 12th Annual Pulmonary Evening Grand Rounds, St. Luke's Hospital, St. Louis, MO, 2007
10. Grayson MH, Project 1 - CCL28, Washington Univ. tPPG meeting, St. Louis, MO, 6/2011
11. Grayson MH, Are Viral Infections the Cause of Atopic Disease?, Children's Research Institute Research Conference, Milwaukee, WI, 5/27/2012
12. Grayson MH, Are Viral Infections the Cause of Atopic Disease?, Northwestern University Allergy Grand Rounds, Chicago, IL, 6/22/2012
13. Grayson MH, Are Viral Infections the Cause of Atopic Disease?, Nebraska Allergy Society, Omaha, NE, 8/16/2012
14. Grayson MH, Mucosal Immunity: the Gut Lung Axis, Creighton University Allergy Lecture, Omaha, NE, 8/17/2012
15. Grayson MH, Mucosal immunity: the gut-lung axis, University of Wisconsin - Madison, Allergy Grand Rounds, Madison, WI, 5/1/2013

National

1. Guest Lecturer for the Allied Health Program , American College of Allergy, Asthma, and Immunology annual meeting, 2003
2. Lecturer for dendritic cell seminar , American Academy of Allergy, Asthma, and Immunology annual meeting, 2003 - 2005
3. Moderator for oral abstract sessions, American Academy of Allergy, Asthma, and Immunology annual meeting, 2004 - 2008
4. Invited speaker, "Dendritic cells in viral airway disease", Asthma Conference, University of California, Davis, CA, 2004
5. Symposium presenter, "Examining the cellular response in asthma inflammation...", American College of Allergy, Asthma, and Immunology annual scientific meeting, 2005
6. Invited research speaker on regulatory T cells and moderator of ethics symposium , American Academy of Allergy, Asthma, and Immunology 63rd annual meeting, 2006
7. Oral abstract presenter , 49th Annual Thomas L. Petty Aspen Lung Conference, Aspen, CO, 2006
8. "Are lung dendritic cells the link between atopic and viral disease?" , Grand Rounds, Novartis Pharmaceuticals. East Hanover, NJ, 2007 - 2007
9. Moderator for symposium and poster abstract sessions , American Thoracic Society annual meeting, 2007
10. "Science as a crystal ball: predicting who will wheeze", Grand Rounds, The University of Mississippi Medical Center School of Medicine. Jackson, MS, 2007

11. Department of Immunology/Microbiology invited speaker, "Dendritic cells and IgE: the link between viral and atopic disease?" , Rush University Medical School. Chicago, IL, 2008
12. University of Virginia Carter Immunology Center invited speaker, "Dendritic cells and IgE: The link between viral and atopic disease" , University of Virginia, Charlottesville, VA, 2009
13. Department of Microbiology and Immunology invited speaker, "Do lung dendritic cells translate viral infections into atopy?" , 5th Annual Virology Colloquim, Louisiana State University (LSU) Medical Center. Shreveport, LA, 2009
14. National Institutes of Health, NIAID, Laboratory of Allergic Diseases invited speaker, "Innate immunity and IgE: the link between viral and atopic disease" , NIH, NIAID, Bethesda, MD, 2010
15. Invited speaker, Symposium--"Macrophages in airway remodeling: from mice to humans", American Academy of Allergy, Asthma, and Immunology annual meeting, 2010
16. Invited speaker, Plenary—"The Great Atopic Dermatitis Raft Debate: Eosinophils", American College of Allergy, Asthma, and Immunology 2010 meeting, Phoenix, AZ, 2010
17. Invited speaker, Meet the Professor Breakfast—"Hypereosinophilic syndromes", American College of Allergy, Asthma, and Immunology 2010 meeting, Phoenix, AZ, 2010
18. Invited speaker, Workshop--"Role of dendritic cells in the airway in asthma", American Academy of Allergy, Asthma, and Immunology annual meeting, 2010
19. Invited speaker, Seminar--"Dendritic cells: life beyond antigen presentation", American Academy of Allergy, Asthma, and Immunology annual meeting, 2010
20. Invited speaker at the American Academy of Allergy, Asthma, and Immunology annual meeting, Workshop—"How and Why Do People Become Atopic: Atopy is a Viral Disease", 2011
21. Career Development 101, American Academy of Allergy, Asthma, and Immunology Practice Management Workshop, Baltimore, MD, 2011
22. Grayson MH, Are Viral Infections the Cause of Atopic Disease, Duke University Department of Pediatrics Grand Rounds, Durham, NC, 1/31/2012
23. Grayson MH, Workshop - "Relationship Between CD49d Expressing Neutrophils and Atopic Disease", American Academy of Allergy, Asthma, and Immunology annual meeting, Orlando, FL, 3/3/2012
24. Grayson MH, Workshop — "The Impact of Environmental Exposures on Pulmonary Dendritic Cell Function", American Academy of Allergy, Asthma, and Immunology annual meeting, Orlando, FL, 3/5/2012
25. Grayson MH, Workshop – "Macrophages: What Role Do They Play in Asthma?" , American Academy of Allergy, Asthma, and Immunology annual meeting, Orlando, FL, 3/6/2012
26. Grayson MH, Plenary -- "The Great Anaphylaxis Raft Debate: Platelet Activating Factor", American College of Allergy, Asthma, and Immunology 2012 meeting, Anaheim, CA, 11/10/2012
27. Grayson MH, Meet the Professor Breakfast -- "Entopy", American College of Allergy, Asthma, and Immunology 2012 meeting, Anaheim, CA, 11/11/2012
28. Grayson MH, Update on Immunology, American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, 2/22/2013
29. Grayson MH, Symposium: The Gut Microbiome's Role in the Lung Immune Response, American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, 2/23/2013
30. Abraham SN, Grayson MH, Seminar: The Relationship Between Allergies and Infections, American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, 2/25/2013
31. Grayson MH, Do viral infections drive development of atopic disease?, University of Chicago, Department of Pediatrics, Section of Pulmonology, Chicago, IL, 4/15/2013
32. Grayson MH., Do viral infections drive development of atopic disease?, University of Michigan, Dept. of Medicine, Division of Allergy and Immunology Special Seminar, Ann Arbor, MI, 6/24/2013
33. Grayson MH, Borish L., Invited Speaker, Meet The Professor Breakfast -- "Genetics in Asthma and Allergic Disease", American College of Allergy, Asthma, and Immunology 2013 Annual Meeting, Baltimore, MD, 11/10/2013
34. Flu Vaccination: Chronic Disease Panel, Centers For Disease Control and Prevention (CDC) Webinar, 2/5/2014
35. Grayson MH., Career development for the junior investigator, American Academy of Allergy, Asthma, and Immunology 2014 Annual Meeting, San Diego, CA, 2/28/2014
36. Grayson MH., Role of IgE in the anti-viral Immune response, American Academy of Allergy, Asthma, and Immunology 2014 Annual Meeting, San Diego, CA, 3/2/2014

International

1. Lecturer on various allergy and immunology related topics, biennial Washington University Allergy Abroad program, Istanbul and Izmir, Turkey, 2002
2. Lecturer on various allergy and immunology related topics , biennial Washington University Allergy Abroad program, 2002 - 2007
3. Guest lecturer for 2nd year medical student clinical immunology course, Ross University Medical School, Portsmouth, Dominica, 2003
4. Lecturer on various allergy and immunology related topics , biennial Washington University Allergy Abroad program, Stressa and Milan, Italy, 2004
5. Presented “Immune regulation by dendritic cells” , Swiss Institute of Allergy and Asthma Research “Highlights in Allergy and Asthma, In Honor of Prof. Kurt Blaser, PhD.” Program, SIAF; Davos, Switzerland, 2006
6. Lecturer on various allergy and immunology related topics , biennial Washington University Allergy Abroad program, Davos, Switzerland and Munich, Germany, 2006
7. Oral abstract presentation , 28th Symposium of the Collegium Internationale Allergologicum, Ischia, Italy, 2010
8. Grayson MH, The translation of severe respiratory viral infections into atopic disease, International Symposium: Allergy and Inflammation, Kyung Hee University; Seoul, Korea, 10/13/2012
9. Grayson MH, Alteration of intestinal microbiota increases mortality to respiratory viral infection in an IFN-gamma dependent mechanism, Collegium Internationale Allergologicum 29th symposium, Jeju Island, Korea, 10/14/2012 - 10/19/2012

COMMITTEE SERVICE:

Medical College

2010 - Present CTSI Translational Science Mentor

1/2012 - 12/2012 Member, Chair's Research Advisory Committee, Pediatrics, Medical College of Wisconsin

2012 - Present Member, Expert Panel for Pulmonary Curriculum, M2 Discovery Curriculum, Medical College of Wisconsin

Hospital

2010 Children’s Hospital of Wisconsin – Medical College of Wisconsin Research Strategic Planning Committee

2012 Member, Population Advisory Committee, Children's Hospital of Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

2009 - Present M2 Medical Microbiology – clinical correlation lectures on Allergy/Immunology and Hypersensitivities

Resident and Fellow Education

2010 Joint Fellowship Program-Critical Review of the Literature

Graduate Student Education

2009 - Present Mucosal Immunity – Cells and tissues of the mucosal immune system, Mucosal immune responses of the respiratory tract

2009 - Present Cellular and Molecular Immunology course – Allergy, Type II, III, and IV Hypersensitivities

2009 - Present Clinical Immunology – Atopic diseases I and II

2011 - Present Mucosal Pathogenesis (Faculty)

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

(b) (6) Summer Research Mentor

(b) (6) Research and Pathways Mentor

(b) (6) Summer Research Mentor
(b) (4) Research Mentor
(b) (4) Pathways Advisor
(b) (4) Pathways Advisor

Graduate Students

(b) (6)

Postdoctoral Students

(b) (6)

Clinical/Research Fellows

(b) (6) Research Mentor
(b) (6) Research Mentor
(b) (6) Research Mentor
(b) (4) Research Mentor
(b) (4) Research Mentor
(b) (4) Research Mentor

Faculty

(b) (6) Research Mentor (fellowship
and post-doc)
(b) (6) K08 Mentor

**EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS
MENTORED:**

High School Students

(b) (6)
(b) (6) Mentor

Undergraduate Students

(b) (6)

Medical Students

(b) (6)

Postdoctoral Students

(b) (6)

Clinical/Research Fellows

(b) (6)

Faculty**BIBLIOGRAPHY****Refereed Journal Publications/Original Papers**

1. Grayson MH, Bochner BS. New concepts in the pathogenesis and treatment of allergic asthma. *Mt Sinai J Med.* 1998; 65(4):246-56.
2. Grayson MH, Van der Vieren M, Gallatin WM, Hoffman PA, Staunton D, Sterbinsky SA, Bochner BS. α 2 integrin is expressed on human eosinophils and functions as an alternative ligand for VCAM-1. *J Exp Med.* 1998; 188(11):2187-2191.
3. Van der Vieren M, Crowe DT, Hoekstra D, Vazeux R, Hoffman PA, Grayson MH, Bochner BS, Gallatin WM, Staunton DE. The leukocyte integrin α 2 binds VCAM-1: evidence for a binding interface between I domain and VCAM-1. *J Immunol.* 1999; 163:1984-1990.
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9. Grayson MH, Korenblat PE. The emerging role of leukotriene modifiers in allergic rhinitis. *Am J Resp Med.* 2003; 2(6):441-450.
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12. Tinsley KM, Grayson MH, Swanson PE, Drewry AM, Chang KC, Karl IE, Hotchkiss RS. Sepsis Induces Apoptosis and Profound Depletion of Splenic Interdigitating and Follicular Dendritic Cells. *J Immunol.* 2003; 171(2):909-914.
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15. Grayson MH, Holtzman MJ. Chemokine signaling regulates apoptosis as well as immune cell traffic in host defense. *Cell Cycle.* 2006; 5(4):380-383.
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17. Schwulst SJ, Grayson MH, DiPasco PJ, Davis CG, Brahmabhatt TS, Ferguson TA, and Hotchkiss RS. Agonistic monoclonal antibody against CD40 receptor decreases lymphocyte apoptosis and improves survival in sepsis. *J Immunol.* 2006; 177(1):557-565.
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13.

(b) (4)

Editorials, Letters to Editor, Other

1. Grayson MH, Marshall GD Jr Ghosts in the annals: boo! *Ann Allergy Asthma Immunol.* 2012 Jul;109(1):1-2
2. Kelly BT, Grayson MH Mice matter. *Ann Allergy Asthma Immunol.* 2014 Feb;112(2):87-9

Abstracts

1. Grayson MH, Bochner BS. Vocal cord dysfunction masquerading as steroid-dependent asthma [Abstract]. *Ann Allergy Asthma Immunol.* 1997;78(1):115.
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