

CURRICULUM VITAE

DATE: June 2018

NAME: Gailen D. Marshall, Jr., M.D., Ph.D.

PRESENT TITLE: The R Faser Triplett Sr MD Chair in Allergy and Immunology
Professor of Medicine, Pediatrics, and Pathology
Vice Chairman for Research, Department of Medicine
Director, Division of Clinical Immunology and Allergy
Chief, Laboratory of Behavioral Immunology Research
School of Medicine

Graduate Faculty Member
Pathology Graduate Program

Translational Science Track Director
Master of Science in Clinical Investigation Program
Graduate School in the Health Sciences

Professor of Population Health Science
John D. Bower School of Population Health Science

Medical Director
UMMC Clinical Research Support Program
UMMC Clinical Research and Trials Units

The University of Mississippi Medical Center

Staff Physician and Consultant in Allergy and Immunology
Medical Services, the G.V. (Sonny) Montgomery Veterans
Affairs Medical Center, Jackson, MS

BUSINESS ADDRESS: 2500 North State Street N416
Jackson, MS 39216

HOME ADDRESS: 313 Highland Park Blvd.
Ridgeland, MS 39157

BIRTHDATE: September 9, 1950

CITIZENSHIP: U.S.A.

UNDERGRADUATE EDUCATION

1972 B. Science (Biology)
University of Houston
Houston, Texas

GRADUATE EDUCATION

- 1975 M. Science (Microbiology/Immunology)
Texas A&M University
College Station, Texas
- 1979 Ph.D. (Immunology)
University of Texas
Graduate School of Biomedical Sciences
Galveston, Texas
- 1984 M.D.
University of Texas Medical Branch
Galveston, Texas

POSTGRADUATE TRAINING

- 1979–1980 Postdoctoral Research Fellowship
University of Texas Medical Branch
Galveston, Texas
- 1984–1985 Internship (Straight Medicine)
University of Iowa Hospitals
Iowa City, Iowa
- 1985–1986 Research Fellowship
Division of Allergy-Immunology
University of Iowa Hospitals
Iowa City, Iowa
- 1986–1988 Resident Physician (Internal Medicine)
University of Tennessee Medical Center
Baptist Memorial Hospital
Memphis, Tennessee
- 1988–1989 Chief Resident (Internal Medicine)
University of Tennessee Medical Center
Baptist Memorial Hospital
Memphis, Tennessee
- 1988–1989 Clinical Fellowship
Division of Allergy-Immunology
University of Tennessee Medical Center
Memphis, Tennessee

HONORS AND AWARDS

1971	Alpha Epsilon Delta Premedical Honor Society
1975, 1977	S. Edward Sulkin Awards Texas Branch American Society of Microbiology
1976–1978	James W. McLaughlin Predoctoral Fellowship University of Texas Graduate School of Biomedical Sciences
1978	Named to "Outstanding Young Men in America"
1979–1981	James W. McLaughlin Postdoctoral Fellowship University of Texas Medical Branch
1979	President's Award for Best Paper Sixteenth Annual Meeting The Reticuloendothelial Society
1985	Named to "Who's Who in Frontiers of American Science"
1985–1986	NIH Postdoctoral Fellowship Immunology Training Grant University of Iowa
1986	President's Grant-In-Aid Award American Academy of Allergy & Immunology
1987	Clinical Teaching Award Department of Internal Medicine Baptist Memorial Hospital Memphis, Tennessee
1991–1992 1994–2004	Excellence in Teaching Award School of Medicine University of Texas Health Science Center Houston, Texas
1995, 2000–2002	Named to "Who's Who in the South and Southwest"
1996	Named to "Best Doctors in America - Central Region"
1997 2004–2007 2009–2014	Named to "Who's Who in America"

2001–2018	Named to “Best Doctors in America”
2002	Honored Speaker Award 2002 Medical Student Retreat The University of Texas Health Science Center at Houston Medical School Houston, TX
2003	Selected to the “Guide to Top Doctors” Center for the Study of Services Washington, D.C.
2003	The Jean A Chapman Lectureship American College of Allergy, Asthma, and Immunology New Orleans, LA
2004	The Daniel Goodman Lectureship American College of Allergy, Asthma, and Immunology Boston, MA
2004–2005	Named to “Who’s Who in Medicine and Healthcare”
2006–2007	Named to “Who’s Who in Medicine and Healthcare”
2006–2007	Named to “Who’s Who in American Education”
2006	The Jaros Memorial Lectureship American College of Allergy, Asthma, and Immunology Philadelphia, PA
2007	Distinguished Service Award American College of Allergy, Asthma and Immunology Dallas, TX
2008	The Bernard Berman Memorial Lectureship American College of Allergy, Asthma and Immunology Seattle, WA
2009	Named to “America’s Top Physicians”
2009	Distinguished Fellow Award American College of Allergy, Asthma and Immunology Miami, FL
2010	Distinguished Alumnus Award Graduate School of Biomedical Sciences University of Texas Medical Branch Houston, Texas

2011-2012	Named to “Who’s Who in Science and Engineering”
2016-2017	Named to “Who’s Who in Science and Engineering”
2015	Named Inaugural Recipient of the 2015 Mentor of the Year Award from the Southern Section for Clinical Investigation
2017	Named to “2000 Outstanding Intellectuals of the 21 st Century”
2017	Golden Headed Cane Award American College of Allergy, Asthma, & Immunology Boston, MA
2018	Top Allergist/Immunologist International Association of HealthCare Professionals The Leading Physicians of the World

BOARD CERTIFICATIONS

1988	American Board of Internal Medicine Certificate #118388
1989–1999 1999–2009 2009–2019	American Board of Allergy and Immunology Certificate #3111
1990	American Board of Allergy & Immunology Diagnostic Laboratory Immunology Certificate #0129

LICENSURE

1985	Iowa License #24884 (Inactive)
1985	Illinois License #036-071230 (Inactive)
1986	Tennessee License #MD 17214 (inactive)
1989	Texas License #H5925 (inactive)
2004	Mississippi License #18705 (Active)

PROFESSIONAL ORGANIZATIONS

* indicates Fellow status

- Regional: Mississippi State Medical Association
Southern Society for Clinical Investigation
- National: Academy of Behavioral Medicine Research
*American Academy of Allergy, Asthma and Immunology
American Association of Immunologist
*American College of Allergy, Asthma and Immunology
*American College of Physicians
American Federation for Medical Research
Association of Professors of Medicine (affiliate member)
Association of Subspecialty Professors
American Clinical and Climatological Association
- International: European Academy of Allergology and Clinical Immunology
Interasma – International Association of Asthmatology
International Society of NeuroImmunoModulation
International Society of Behavioral Medicine
Psychoneuroimmunology Research Society
World Allergy Organization

ACADEMIC AND RESEARCH APPOINTMENTS

- 1978–1979 Lecturer in Biology and Immunology
George Mason University
Fairfax, Virginia
- 1982–1984 Research Scientist in Transplant Immunology
Division of Nephrology
University of Texas Medical Branch
- 1986–1989 Laboratory Director &
Cellular Immunology Division Chief
Biotherapeutics, Inc.
Memphis, Tennessee
- 1989–1990 Associate Medical Director
Research for Health, Inc.
Houston, Texas
- 1990–1991 Clinical Assistant Professor
Department of Internal Medicine
University of Texas Health Science CenterHouston, Texas
- 1991–1998 Assistant Professor of Medicine and Pathology
Director, Division of Allergy & Clinical Immunology

Department of Internal Medicine
University of Texas Houston Health Science Center
Houston, Texas

- 1998–2003 Associate Professor of Medicine & Pathology
Director, Division of Allergy & Clinical Immunology
Department of Internal Medicine
University of Texas Medical School at Houston
Houston, Texas
- 2003–2004 Professor of Medicine and Pathology
Director, Division of Allergy & Clinical Immunology
Department of Internal Medicine
University of Texas Medical School at Houston
Houston, Texas
- 2004–2011 Professor of Medicine and Pediatrics
Vice Chair for Faculty Development
Director, Division of Clinical Immunology and Allergy
Chief, Laboratory of Behavioral Immunology Research
The University of Mississippi Medical Center
Jackson, Mississippi
- 2011–Present Professor of Medicine and Pediatrics
The R Faser Triplett Sr MD Chair in Allergy and Immunology
Vice Chair for Research
Director, Division of Clinical Immunology and Allergy
Chief, Laboratory of Behavioral Immunology Research
The University of Mississippi Medical Center
Jackson, Mississippi
- 2017 Professor of Medicine, Pediatrics, Pathology and Population Health Science
The R. Faser Triplett, Sr. MD Chair of Allergy and Immunology
Vice Chair for Research, Department of Medicine
Director, Division of Clinical Immunology and Allergy
Chief, Laboratory of Behavioral Immunology Research
The University of Mississippi Medical Center
Jackson, Mississippi

CURRENT INSTITUTIONAL APPOINTMENTS (University of Mississippi)

- 2005–2014 Chair
Institutional Review Board 2

2006–2010	Co-chair Institutional Faculty Development Committee
2006	<i>Ad hoc</i> Committee on Nontenure Faculty Development
2007–Present	Institutional Stem Cell Research Oversight Committee
2007–Present	Mississippi Cancer Registry Advisory Committee Chair, Data Use Subcommittee
2008–2012	Chair Institutional Conflict of Interest Committee
2014–2015	Member Research Advisory Committee
2016	Faculty Member, Pathology Graduate Training Program School of Graduate Studies in Health Sciences
2016-2021	Member Internal Advisory Committee NIH Grant #1UG1HD090848-01 Mississippi Pediatric Clinical Trials Center

PAST HOSPITAL APPOINTMENTS (University of Texas at Houston)

1990–2004	Allergy & Clinical Immunology Division Chief Internal Medicine Service Memorial Hermann Hospital Allergy & Clinical Immunology Service Chief Lyndon B Johnson General Hospital
1991–1995	Member, Pharmacy and Therapeutics Committee Chairman, Adverse Drug Reaction Subcommittee Memorial Hermann Hospital
1991–1998	Institutional Ethics Committee (Chair 1994-98) Memorial Hermann Hospital
1997–2004	Scientific Advisory Committee University Clinical Research Center (NIH GCRC) Vice Chair 2001-2003 Chair 2003-2004

EDITORIAL POSITIONS

1992–1993	Molecular Biotherapy (editorial board)
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1994–2004	Allergy and Asthma Proceedings (editorial board)
1994–1996	Cancer Biotherapy (editorial board)
1995–1999	Annals of Allergy, Asthma & Immunology (editorial board)
1996–2000	Lifetime Health Letter Editorial Advisory Board
1997–1998	Asthma & Allergy Exchange, Medical Editor Asthma, Allergy Foundation of America Newsletter
2000–2005	Journal of Interferon and Cytokine Therapy (Editorial Board)
2001–2005	Allergy Watch (Assistant Editor)
2002–2005	Journal of Clinical Immunology (Editorial Board)
2003–2005	Clinical and Molecular Allergy (Editorial Board)
2002–2007	Clinical Immunology (Editorial Board)
1998–2010	Ad Hoc Reviewer: American Review of Respiratory and Critical Care Medicine Circulation Cellular Immunology Journal of Allergy & Clinical Immunology Journal of Psychosomatic Medicine Annals of Allergy, Asthma & Immunology Brain, Behavior and Immunity
2004–2005	Clinical and Diagnostic Laboratory Immunology (Editorial Board)
2005–2006	Associate Editor-in-chief Annals of Allergy, Asthma, & Immunology
2006–2021	Editor-in-chief Annals of Allergy, Asthma & Immunology
2011	WAO Book Review Editor
2013	WAO Journal Editorial Advisory Board

SERVICE ON NATIONAL GRANT REVIEW PANELS AND COMMITTEES:

2006–2011	Association of Professors of Medicine Program Planning Committee
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2007–2010	NIH External Advisory Council Center for Research on Botanical Dietary Supplements Iowa State University Ames, IA
2007–2011 2011–2014	Clinical Immunology Society Publications Committee Member
2007–2012	Board of Directors (At Large Member) Intrasma – International Association of Asthmatology
2008–2009	Scientific Program Committee World Allergy Congress Buenos Aires, Argentina
2010–2014	Department of Health and Human Services Chronic Fatigue Syndrome Advisory Committee Chair Elect (2010-11); Chair (2011-14) Research Subcommittee
2012-2014	The International Association for CFS/ME Full Professional Membership
2015	The International Journal of Molecular Sciences (Reviewer)

American Academy of Allergy, Asthma and Immunology

1991–1995	Committee for <i>In Vitro</i> Tests
1991–1995	Postgraduate Education Committee
1993–2001	HIV Committee (Chair 1999-2001)
1993–2004	Cytokine and Cells Committee
1992–1998	Allied Health Professionals Committee Co-Chair (1993-95) Newsletter Subcommittee Co-Chair (1996-98)
1999–2002	Board of Directors (At Large Member)
1999–2002	Continuing Medical Education Committee
2000–2001	Educational Accreditation Subcommittee
2000–2004	Postgraduate Education Subcommittee Vice Chair (2000 – 02)

	Chair (2002 – 04)
2000–2004	AI-MKSAP Committee
2000–2002	Joint Council of Allergy, Asthma and Immunology Board of Directors Chair, Training Program Directors Liaison Committee
2001–2004	Academy CAN! Committee
2002–2004	Annual Meeting Committee
2002–2007	Workforce Committee (Chair)
2002–2006	Educational and Research Trust Resource Development Committee (Chair) Oversight Committee
2008–2017	Cell and Mediators of Allergic Inflammation Committee
2008–2017	Complementary & Alternative Practices in Allergy Committee
2010–2012	Autoimmunity, Immunomodulation & Secondary Immunodeficiencies Committee
2010-2017 2012-2017	Committee on the Underserved A/I Division Directors Committee
2012-2017	Altered Immune Response Committee
2012-2013	Symposium Committee (Vice Chair)
2012-2015	Conference Online Allergy (COLA) Committee

American College of Allergy, Asthma and Immunology

2017-2019	Appointments Committee
2008–2014	Integrative Medicine Committee (Chair 2012 - 2014)
2006–2009	Literature Review Committee
2006–2007	Ad Hoc Committee on Research Ethics
2005–2010	Publications Committee EIC Annals (<i>ex officio</i>)
2006–2010	Annals Editorial Board (Editor-in-Chief)
2005–2010	Board of <i>Regents ex officio</i> (Annals Editor-in-Chief)
2005–2008	Complementary & Alternative Medicine Committee

2005–2011	Abstract Review Committee
2005–2008	Women in Allergy Committee
2005–2013	Continuing Medical Education Committee
2002–2005	AllergyWatch Editorial Board
2002–2005	Annual Program Committee
2004–2010	Professional Allergy/Immunology Education Committee
2000–2003	Basic and Clinical Immunology Committee
2000–2001	Public Education Committee

National Aeronautics and Space Administration

1998–2016	Integrative Planning Team for Infection and Immunology Johnson Space Center Houston, Texas
2009–2016	Chair Immunology Standing Review Panel Human Health and Countermeasures Taskforce Washington, DC

Center for Scientific Review, National Institute of Health

1999	National Center for Complementary and Alternative Medicine Special Emphasis Panel
2000–2006	Special Emphasis Panel SSS-9
2008–2012	Center for Scientific Review MESH Study Section (Temporary Member)
2012	ZRGI CFS-M (80) Chronic Fatigue Syndrome Special Emphasis Panel

Other Service

1991–1994	Scientific Advisory Board Carrington Laboratories, Inc. Dallas, Texas
1992	Original Investigations Committee Chair, Allergy-Immunology Subcommittee American College of Chest Physicians
1994–1999	Co-Chair, Public Education Committee Member, Annual Meeting Committee Texas Allergy & Immunology Society
1999–2005	Initial Review Board Medical and Scientific Advisory Council Alzheimer’s Association
2000–2002	Medical Students and Associates Committee Texas Academy of Internal Medicine
2001–2004	Allergic Rhinitis Advisory Board – US Merck & Company
2002–2006	Western Review Consortium Committee American Heart Association
2016-2017	Center for Clinical and Translational Science Panels Done Quickly/Nascent Panel Project team

SERVICE TO THE COMMUNITY

1994–1998	Public Education Committee Co-Chair Texas Allergy, Asthma and Immunology Society
1998–2000	Founding President, Alumni Association Graduate School of Biomedical Sciences University of Texas Medical Branch Galveston, TX
1998–2000	Executive Committee Member Development Board University of Texas Medical Branch Galveston, TX
2015-Present	Member Myrlie Evers-Williams Institute for the Elimination of Health Disparities Community Advisory Board.

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE

Research

UT Houston

Sandeep K. Agarwal, MD PhD	(major professor, clinical advisor)
Eleni Maniatis, PhD	(major professor)
Susan Ritter, MD PhD	(major professor, clinical advisor)
Adriano N. Salicru, MD PhD	(major professor, clinical advisor)
Brenda Rivera	(major professor)
Grant Woodard	(major professor)
Rolando Diaz, MD PhD	(supervisory committee)
Christopher Boehme, MD PhD	(supervisory committee)
Omen Ced, PhD	(supervisory committee – UTMB Galveston)
Elizabeth LaFleur, PhD	(advisory committee)
Dorothy Long, MD PhD	(advisory committee)
Laurel Fohn, MD PhD	(advisory committee)
Hays Young, PhD	(advisory committee)
Timothy King, MD PhD	(advisory/supervisory committee)
Larry Anderson, MD PhD	(advisory/supervisory committee)
Esther Guzman, PhD	(advisory/supervisory committee)
Roshini Kandyil, MD PhD	(advisory/supervisory committee)
Jeffrey Druck, MD	(summer medical student)
Ann Shippy, MD	(summer medical student)
Crystal Cassidy, MD	(summer medical student)
Myla Skinner, MD	(summer medical student)
Deborah Cornelius, MD	(summer medical student)
Margaret Griffith, MD	(summer medical student)

UMMC

William Darsey, MD	(summer medical student)
Laura L. Maxwell, MD	(summer medical student)
James B. Brock, MD	(summer medical student)
Blaine Britt, MD	(summer medical student)
Lee Ferguson, MD	(Summer medical Student)
Donald Carlisle Livingston	(summer medical student)
James E. Thompson	(summer medical student)
Jillian Merica	(summer medical student)
Evan Ciarloni	(summer medical student)

SPONSORSHIP OF CANDIDATES FOR UNDERGRADUATE DEGREE

Research

Marcus Daniels	(undergraduate)
Trent Winford	(undergraduate)
Jessica Ware	(undergraduate)
Davis Ware	(undergraduate)

David Moffitt (undergraduate)

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

UT Houston

Simon Gould, PhD (postdoctoral fellow)
Elena Gotoskova, MD PhD (postdoctoral fellow)

UMMC

Kristina Rehm, PhD (postdoctoral fellow)
Michael Rupp, MD (fellowship research advisor)
Vikram Tarugu, MD (fellowship research advisor)
Jamie Lagos, MD (fellowship research advisor)
Matthew Oswalt, MD (fellowship research advisor)
Tran Ly, MD (fellowship research advisor)
Jo Reed, MD (fellowship research advisor)
John W. Pulcini, MD (fellowship research advisor)
John W. Toole, DO (fellowship research advisor)
Sarah Bozeman, DO (fellowship research advisor)
Ninabahen Dave, MBBS (fellowship research advisor)
Bilal Khan, MD (fellowship research advisor)
Anette E. Morris, MD (fellowship research advisor)
Ashley G. Hall, MD (fellowship research advisor)
Lan Zhou, MD, PhD (fellowship research advisor)
Chelle R. Pope, MD (fellowship research advisor)
Chet A. Tharpe, MD (fellowship research advisor)
Lindsey Moore, DO (fellowship research advisor)
Barbara Brunet, MD (fellowship research advisor)
Blake R. Olmsted, MD (fellowship research advisor)
Jason Guillot, MD (residency research advisor)
Alan Grimm, MD (residency research advisor)
Patricia Honea-Stewart, MD (residency research advisor)
Chet A. Tharpe, MD (residency research advisor)
Susan Claire Brabec, MD (residency research advisor)
Joseph T. Ellenburg, MD (residency research advisor)

CLINICAL ADVISOR

UT Houston

Howard Anderson, MD	Jason Ricardo Cacioppo, MD
Marjorie Chelly, MD	Bruce Cuevas, MD
Christina Desantos, MD	Laura Diekman, MD
Sheena Gibbons-Stubbers, MD	Roger Galindo, MD
Shanaz Karam Ali, MD	Kara Kahan, MD
Michael McGinnis, MD	Lisa Moore, MD
Patel Smith, MD	Kevin Sirmons MD
Shirley Tad, MD	Patrick Tripp, MD
Peter Wollan, MD	Nathan Strobel, MD
Sohail Ahmed, MD	Amy Loercher, MD

Alfredo Gonzalez, MD

UMMC

Richard C. Robertson Jr., MD

RESEARCH SUPPORT

Sponsor and Title: PCORI
Principal Investigator: Elliott Israel MD
Role: co investigator
Project Period: 3/1/16 – 2/28/21
Funding Amount: \$133,700

Sponsor and Title: Stallergenes, Inc. SL75.14
Principal Investigator: Gailen D. Marshall, Jr.
Project Period: 9/16/16-12/31/18
Funding Amount: \$90,738

Sponsor and Title: NIH/NCCAM 5 U01 AT006239-04 “Effects of Yoga on CVD Risk Factors among African Americans: Jackson Heart Study”
Principal Investigator: Gailen D. Marshall, Jr.
Project Period: September 30, 2010 – September 29, 2015
Funding Amount: \$2,840,238

Sponsor and Title: Amgen, Inc. “A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of Brodalumab in Subjects with Inadequately Controlled Asthma and High Bronchodilator Reversibility”
Principal Investigator: Gailen D. Marshall, Jr.
Project Period: May 1, 2013 – February 15, 2015
Funding Amount: \$210,933.79

Sponsor and Title: AstraZeneca LP. “A 26-Week, Randomized, Double-blind, Parallel-group, Active Controlled, Multicenter, Multinational Safety Study Evaluating the Risk of Serious Asthma-related Events During Treatment with Symbicort, a Fixed Combination of Inhaled Corticosteroid and a Long Acting B2-Agonist as Compared to Treatment with an Inhaled Corticosteroid Alone in Adult and Adolescent (greater than or equal to 12 years of age) Patients with Asthma”
Principal Investigator: Gailen D. Marshall, Jr.
Project Period: June 1, 2013 – December 31, 2016
Funding Amount: \$140,510.60

Sponsor and Title: AstraZeneca AB. “A Multicenter, Randomized, Double-blind, Parallel Group, Placebo controlled, Phase 3b Study to Evaluate the Safety and Efficacy of Benralizumab 30 mg sc in Patients with Severe Asthma Uncontrolled on Standard of Care Treatment”
Principal Investigator: Gailen D. Marshall, Jr., MD, PhD
Project Period: October 1, 2017 – Present

Funding Amount: \$207,348

Sponsor and Title: Cephalon, Inc. "A 16-Week, Randomized, Double-blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Reslizumab (3.0 mg/kg) Treatment in Patients with Moderate to Severe Asthma"

Principal Investigator: Gailen D. Marshall

Project Period: March 19, 2012 – October 4, 2013

Funding Amount: \$112,861

Sponsor and Title: Analgesic Technique on Pain and Biomarkers During Sickle Pain Crisis

Grant #: 1R21HL096086-01A1 REVISED

Principal Investigator: Gailen D. Marshall

Project Period: December 1, 2009 – November 30, 2012

Funding Amount: \$410,010

Sponsor and Title: Delta Health Alliance. "Delta Asthma Clinic"

Grant #: HRSA# U1FRH07411 CFDA# 93.241

Principal Investigator: Gailen D. Marshall

Project Period: July 1, 2009 - June 30, 2012

Funding Amount: \$449,088

Sponsor and Title: The Mississippi Institute for Improvement of Geographic Minority Health (MIGMH). "Impact of Psychological Stress on HPV Vaccine Response to Gardasil in Underserved Minority Women"

Grant #: 1 CPI MP061018-02

Principal Investigator: Gailen D. Marshall

Project Period: 09/30/2006-08/31/2010

Funding Amount: \$69,914

Sponsor and Title: National Center for Complementary & Alternative Medicine. "Asthma and Mindfulness-based Stress Reduction (MBSR)"

Grant #: 5 R21 AT002938-02

Principal Investigator: Lori Pbert

Role: Site Principal Investigator

Project Period: 09/30/2007-09/29/2009

Funding Amount: \$87,332

Sponsor and Title: NHLBI/Rhode Island Hospital. "Pediatric Asthma Disparities: The Role of Sleep and Immune Balance"

Grant #: 5K24HL130451-02

Principal Investigator: Daphne Koinis-Mitchell, MD

Role: Site Principal Investigator

Project Period: 02/01/2016 – 01/31/2018

Funding Amount: \$23,590

Sponsor and Title: NHLBI/Rhode Island Hospital. "Asthma, Obesity, and Biomarkers Related to Asthma Control in Urban Children"

Program Announcement #: PA-18-345

Principal Investigator: MPI - Daphne Koinis-Mitchell, MD, MPI – Gailen D. Marshall, Jr, MD, PhD, MPI – Elissa Jelalian

Role: Site Principal Investigator

Project Period: 09/01/2018 – 08/31/2023

Funding Amount: \$805,185

Sponsor and Title: NICHD/Rhode Island Hospital. “Immune Balance in Response to Sleep Extension Following Sleep Restriction in Urban Children with Asthma”

Program Announcement #: PA-18-480

Principal Investigator: PI - Daphne Koinis-Mitchell, MD

Role: Site Principal Investigator

Project Period: 09/01/2018 – 08/31/2023

Funding Amount: \$615,389

Sponsor and Title: NIH/Medical University of South Carolina. “Peer Approaches to Lupus Self-Management (PALS): A novel lupus peer mentorship intervention”

Program Announcement #: PA-14-344

Principal Investigator: PI – Dr. Edith Williams

Role: Site Principal Investigator

Project Period: 04/01/2017 – 03/31/2022

Funding Amount: \$280,385

Sponsor and Title: DOD/Medical University of South Carolina. “Peer Approaches to Lupus Self-Management-Military Extension (PALS): A Novel Lupus Peer Mentorship Intervention”

Funding Opportunity #: W81XWH-16-PRMRP-CTA

Principal Investigator: PI – Dr. Edith Williams

Role: Site Principal Investigator

Project Period: 09/30/2017 – 09/30/2021

Funding Amount: \$236,356

Past Support (last 10 years)

Sponsor and Title: Novartis Pharmaceuticals Corp. “A 26-week Multi-center, Randomized, Double-Blind, Parallel Group, Placebo Controlled, Study to Evaluate the Effect of Xolair (omalizumab) on Improving the Tolerability of Specific Immunotherapy in Patients with Persistent Allergic Asthma”

Principal Investigator: Gailen D. Marshall

Project Period: 01/30/2006-07/31/2007

Funding Amount: \$187,251

Sponsor and Title: National Institute of Nursing Service. “Intervention for stroke survivors and spousal caregivers”

Principal Investigator: Sharon K. Ostwald

Role: Co-Investigator

Project Period: 07/01/2001-03/31/2006

Funding Amount: \$455,886

Sponsor and Title: Novartis Pharmaceutical Corp. “Soluble CD23 Expression as a Marker of Immunomodulation and Clinical Response in Asthma Patients Treated with Omalizumad”

Principal Investigator: Gailen D. Marshall

Project Period: 01/02/2005-12/31/2006

Funding Amount: \$262,712

Sponsor and Title: Kyowa Hakko Kogyo Co., Ltd. “Effects of Orotic Acid Derivatives with or without Glutathione on Allergic Rhinitis”

Principal Investigator: Gailen D. Marshall

Project Period: 10/01/2004-09/30/2005

Funding Amount: \$68,900

Sponsor and Title: Novartis Pharmaceuticals Corp. “Immunomodulatory Effects on Monoclonal anti IgE Antibodies on Allergen-Induced Cytokine Production”

Principal Investigator: Gailen D. Marshall

Project Period: 04/01/2003-03/30/2004

Funding Amount: \$63,750

Sponsor and Title: ITGI Schering Plough. “A Study of Examine the Effects of Desloratadine (DL) on Local (Nasal) and Systemic—After Provocative Nasal Challenges with Ragweed Allergen”

Principal Investigator: Gailen D. Marshall

Project Period: 06/30/2000-06/29/2003

Funding Amount: \$565,300

Sponsor and Title: Merck Corporation. “Effects of Montelukast vs. Salmeterol on Airway Function and Inflammation in Patients with Exercise-Induced Bronchospasm (EIB)”

Principal Investigator: Gailen D. Marshall

Project Period: 10/01/2001-12/2002

Funding Amount: \$60,000

Sponsor and Title: ITGI Schering Plough. “A Study of Examine the Effect of Desloratadine In-vivo and In-vitro on the Late Phase Allergy-Associated Immune Function of Peripheral Blood Mononuclear Cells from Patients with Symptomatic Allergic Rhinitis” (Protocol P02000)

Principal Investigator: Gailen D. Marshall

Project Period: 04/19/2000-12/31/2002

Funding Amount: \$805,200

Sponsor and Title: National Heart, Lung, and Blood Institute. “Genetic model for asthma in mouse”

Principal Investigator: Michael R. Blackburn

Role: Co-Investigator

Project Period: 07/01/1998 – 6/30/2003

Funding Amount: \$162,634

Sponsor and Title: National Aeronautics and Space Administration. Predoctoral Fellowship for Sandeep Agarwal

Principal Investigator: Gailen D. Marshall

Project Period: 01/10/1997 – 8/31/2000

Funding Amount: \$66,000

PUBLICATIONS

Published Abstracts

1. Marshall GD, Thurman GB, and Goldstein AL. (1976) Alterations in the mitogen responsiveness from mice with moloney sarcoma virus (MV). **Fed.Proc.** 35:249.
2. Marshall GD, Thurman GB, and Goldstein AL. (1980) *In vivo* generation of suppressor T cells in thymic nude mice by thymosin. **Fed. Proc.** 39:1196.
3. Thurman GB, Marshall GD, Rossio JL, and Goldstein AL. (1980) Two distinct suppressors T. cell populations in tumor-bearing mice. **Fed. Proc.** 39:1196.
4. Marshall GD, Wilson JB, Mader JT, and Reinartz JA. (1980) Immunostimulatory effects of ketoconazole in patients with invasive fungal diseases. **Clin. Res.** 28:829A.
5. Marshall GD, Shaw BA, and Bell JD. (1982) Effect of thoracic duct drainage on mixed lymphocyte reactions of human peripheral blood and thoracic duct lymphocytes. **Clin. Res.** 30:874A.
6. Shaw BA, Bell JD, and Marshall GD. (1982) Changes in natural killer and antibody-dependent cellular cytotoxicity of thoracic duct lymphocytes from patients undergoing thoracic duct drainage. **Clin.Res.** 30:851A.
7. Bell JD, Marshall GD, and Shaw BA. (1983) T Cell subpopulations of peripheral blood after thoracic duct drainage. **Kidney Inter.** 23:287.
8. Marshall GD, Shulan D, Ginrich R, and Ballas ZK. (1986) A prospective study of immediate skin reactivity in bone marrow transplantation: Early findings. **J Allergy Clin Immunol.** 77:231.
9. Ballas ZK and Marshall GD. (1986) Lymphokine activated killers (LAK), Natural Killers (NK) and cytotoxic T lymphocytes (CTL). **Fed. Proc.** 45:488.
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23. Torres M and Marshall GD. (2006) Anaphylaxis and Serum Sickness in **Conn's Current Therapy 06**, Rakel RE and Bope ET, ed., Elsevier Saunders, Philadelphia, PA pp. 915-917.
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25. Marshall GD. (2007) Cytokines In **Encyclopedia of Stress**, 2nd edition, Fink G, ed. Academic Press, NY pp. 692-69.

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EDITORIALS / PERSPECTIVES

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8. Marshall GD Jr. (2012) Annals 2012—the next steps. **Ann Allergy Asthma Immunol**. 108(1): 1-2. PMID:22192955.
9. Grayson MH and Marshall GD Jr. (2012) Ghosts in the annals: boo! **Ann Allergy, Asthma Immunol**. Jul;109(1):1-2. PMID:22727147.
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13. Marshall GD Jr. (2015). Stress and immunity: bench to bedside approaches continue. **Ann Allergy, Asthma Immunol.** Nov;115(5):333-4. PMID: 26505930
14. Marshall GD Jr. (2016). Annals 2016-the Journey continues. **Ann Allergy, Asthma Immunol.** Jan;116(1):1. PMID: 26707768
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19. Marshall GD Jr. (2018) Nonpharmacologic Considerations in the Management of Allergies and Asthma **Ann Allergy Asthma Immunol** May 23 PMID:29802979

OTHER PROFESSIONAL COMMUNICATIONS

Selected Presentations

- | | |
|-------|---|
| 01/02 | <p>“Human Stem Cell Research-Rights of Society Vs. Individuals”
 2002 Ethics in Medicine Lecture Series
 University of Texas Medical School
 Houston, Texas</p> |
| 01/02 | <p>“Stress and Immunity”
 Southwest Allergy Forum, Eastern Allergy Conference & Texas Allergy Asthma & Immunology Society Combined Meeting on Allergy/Asthma/Immunology (Plenary)</p> |

Cancun, Mexico

- 01/02 "Stress and Immunity"
Western Society of Allergy, Asthma & Immunology
40th Annual Scientific Session (Plenary)
Kohala Coast, Hawaii
- 02/02 "Psychoneuroimmunology and Human Inflammatory Disease" (Plenary)
2002 University of Texas Medical School Research Retreat
The Woodlands, TX
- 02/02 "Asthma and Leukotrienes"
Internal Medicine Grand Rounds
Wilford Hall Medical Center
San Antonio, TX
- 02/02 "Stress, Immunity, and Health"
American Academy of Allergy, Asthma & Immunology
58th Annual Meeting (Workshop, Symposium Speaker)
New York, NY
- 03/02 "Asthma Update"
Medical Staff Grand Rounds
Citizens Medical Center
Victoria, TX
- 05/02 "Stress and Asthma-Mechanistic Basis for Therapy"
Allergy Grand Rounds
Thomas Jefferson University
Philadelphia, PA
- 06/02 "Stress, Immunity and Health"
Florida Allergy, Asthma & Immunology
Annual Meeting (Plenary)
Key Largo, Florida
- 07/02 "Asthma and Leukotrienes"
10th National Congress (Plenary)
Mexican College of Pediatric Allergy, Asthma & Pediatric Immunology
Morelia, Michuacan Mexico
- 08/02 "Stress, Immunity and Health"
European Academy of Allergology & Clinical Immunology
Annual Summer Course (Plenary)
Sofia, Bulgaria
- 08/02 "Stress and Asthma-Basic Mechanisms"
Alabama Society for Allergy, Asthma and Immunology
Annual Meeting (Plenary)
Destin, FL

- 09/02 “Asthma and Psychological Stress-Mechanistic Basis for Therapy”
5th International Congress of the International Society for
Neuroimmunomodulation (Plenary)
Montpellier, France
- 11/02 “Asthma, Leukotrienes and Inflammation”
Internal Medicine Grand Rounds
Veterans Administration Medical Center
Tucson, AZ
- 01/03 “Emerging Therapies in Treatment of Asthma” (Plenary)
Baylor College of Medicine
Houston, TX
- 01/03 “Effects of Stress on Immune System: Applications for
Trauma Medicine”
Department of Surgery Grand Rounds
The University of Texas Health Science Center
Houston, TX
- 02/03 “Can Stress Really Kill You?”
Social Determinants of Health 2003 (Plenary)
The University of Texas School of Public Health
Houston, TX
- 03/03 “Stress and Asthma”
American Academy of Allergy, Asthma & Immunology (Workshop)
59th Annual Meeting
Denver, CO
- 07/03 “Internal and External Environmental Factors and Asthma”
Association of Asthma Educators (Plenary)
The Allergy-Asthma Connection
Dallas, TX
- 08/03 “Stress and Asthma” (Plenary)
“Non allergic role of IgE in Inflammatory Diseases” (Plenary)
California State Allergy, Asthma and Immunology Society
Napa, California
- 08/03 “Asthma – Inflammatory Mediators as Targets for Intervention” (Plenary)
European Academy of Allergology and Clinical Immunology
Summer School Lithuania, Allergy
Vilnius, Lithuania
- 09/03 “Stress and Asthma”
Grand Rounds
Mayo Clinic
Phoenix, AZ

- 11/03 Jean Chapman Lectureship (plenary speaker)
American College of Allergy, Asthma and Immunology
National Meeting
- 01/04 Western Allergy Society (plenary speaker)
Kona, Hawaii
- 02/04 San Antonio Allergy Society (Plenary)
San Antonio, Texas
- 03/04 “Epidemiology and Natural History of Asthma: The TENOR
Study”
American Academy of Allergy, Asthma and Immunology
Plenary session moderator
Dinner Symposium moderator and speaker
- 06/04 Grand Rounds
Department of Internal Medicine
University of Kansas Medical School
Kansas City, KS
- 06/04 “Elevated IgE in Non allergic Inflammatory Diseases” (Plenary)
Case Management Society of America
Nashville, TN
- 07/04 Keynote Address
“Can Stress Kill You? A Clinical Immunologist’s Perspective”
(Plenary)
“Elevated IgE in Non allergic Inflammatory Diseases” (Plenary)
Intermountain West Allergy Association
Sun Valley, ID
- 08/04 “Can Stress Kill You? A Clinical Immunologist’s
Perspective” (Plenary)
“Elevated IgE in Non allergic Inflammatory Diseases” (Plenary)
Argentinian Allergy and Clinical Immunology Association
XXVII National Meeting
Buenos Aires, Argentina
- 09/04 Pediatric Grand Rounds
Brown University Medical School
Providence, Rhode Island
- 10/04 “Target Cells and Mediator Response: Influence of Stress”
NIH/American Thoracic Society Workshop
Washington, DC

- 11/04 Daniel Goodman Lectureship
“Complementary and Alternative Medicine I Allergy and
Asthma Care: CAM Interventions Using Psychological Factors” (Plenary)
American College of Allergy Asthma & Immunology
Boston, MA
- 12/04 Internal Medicine Grand Rounds
The University of Mississippi Medical Center
Jackson, MS
- 01/05 “The Role of IgE in Allergic Asthma:
Rationale for Therapy”
Visiting Professor
Department of Internal Medicine (Pulmonology)
George Washington University School of Medicine
Washington, DC
- 02/05 “Immunological Principles of Asthma Inflammation”
(Plenary)
Asthma Summit
American Lung Association – Mississippi Affiliate
Jackson, MS
- 03/05 “Impact of Psychological Stress on Asthma: From Bench to
Bedside” (Plenary)
American Psychosomatic Society
Vancouver, BC
- 03/05 “Do We Really *Outgrow* Asthma? Natural History with
Implications for Intervention and Prevention”
Medicine Grand Rounds
Howard University Medical School
Washington, DC
- 03/05 Visiting Professor
Allergy-Immunology Training Program
Walter Reed Army Medical Center
Bethesda, MD
- 06/05 “Stress and Allergic Diseases:
Translational Model for Inflammation Research”
Pediatric Grand Rounds
University of Kansas Medical School
Kansas City, KS

- 06/05 "The Allergic Patient as a Model for Stress Induced Inflammatory Diseases" (Plenary)
 Presidential Invited Lecturer
 Psychoneuroimmunology Research Society
 12th Annual Meeting
 Denver, CO
- 10/05 "Do We Really *Outgrow* Asthma? Natural History with Implications for Intervention and Prevention"
 Internal Medicine Grand Rounds
 James H. Quillen College of Medicine
 East Tennessee State University
 Johnson City, TN
- 11/05 "Immunotherapy for Asthma"
 ACAAI Visiting Professor
 LSU Medical School
 Shreveport, LA
- 04/06 "Immune Consequences of Stress"
 Eighth Annual Allergy/Asthma Conference
 Medical University of Ohio
 Toledo, OH
- 09/06 "Can Stress REALLY Make You Sick? The Allergic Patient as a Translational Model Linking Mechanisms and Clinical Outcomes" (Plenary)
 "Do We Really Outgrow Asthma? Natural History with Implications for Intervention and Prevention" (Plenary)
 Asthma & Allergy Foundation of America Annual Meeting
 Anchorage, AK
- 10/06 "Bioregulation of IgE Activity: Therapeutic Potentials for Allergic and Nonallergic Diseases"
 Greater DC Asthma, Allergy, and Immunology Society
 Bethesda, MD
- 11/06 Jaros Memorial Lectureship
 "Immunomodulation in Dermatology: New Frontiers for the Allergist-Immunologist" (Plenary)
 "Effects of Orotic Acid and Glutathione on Nasal Symptoms in Seasonal Allergic Rhinitis Patients" (Symposium)
 "Critical Evaluation of a Submitted Manuscript" (Workshop)
 American College of Allergy, Asthma and Immunology
 Philadelphia, PA
- 02/07 "New Asthma Guidelines"
 Pri-Med CME Lecture
 Charlotte, NC

- 02/07 “Ethical Safeguards in Clinical Research – What Every Clinician Should Know: Safeguarding the Literature”
 “New Allergens Worldwide: The Ragweed Example”
 American Academy of Allergy, Asthma and Immunology
 Symposium speaker
 San Diego, CA
- 04/07 “Stress and Asthma, Mechanistic Basis to Improve Patient Care”
 San Diego Allergy Society
 San Diego, CA
- 05/07 NASA Workshop on Public Health Uses for Satellites (Plenary)
 Washington, D.C.
- 06/07 “Stress and Asthma: Mechanisms for Intervention” (Plenary)
 Louisiana Society of Allergy, Asthma & Immunology
 34th Annual Meeting
 New Orleans, Louisiana
 08/07 “Do we Really Outgrow Asthma? Natural History with Implications for Intervention and Prevention”
 Medicine Grand Rounds
 Oregon Health & Science University
 Portland, Oregon
- 09/07 “Pathophysiology of Asthma: New Findings to Improve Patient Care”
 Northwest Society of Allergy Nurses
 Welches, Oregon
- 11/07 “The Anatomy and Physiology of a Good Scientific Paper. How to Write and Review Effectively”
 American College of Allergy, Asthma and Immunology
 Dallas, Texas
- 03/08 “In vitro Effects of Stress Hormones on regulatory T cell Subpopulations”
 American Psychosomatic Society 66th Annual Meeting
 Baltimore, Maryland
- 03/08 “Identifying Stress Susceptible Populations through Genetic and Immune Mechanisms”
 American Academy of Allergy, Asthma and Immunology
 Philadelphia, PA
- 04/08 “Effects of Stress on Asthma and the Immune Response”
 Oklahoma Allergy & Asthma Society Annual Meeting
 Tulsa, Oklahoma
- 05/08 “Future of Allergy Physicians Workforce”
 Allergy & Asthma Network Mothers of Asthmatics (AANMA)
 Advocacy Conference & Asthma Awareness Day
 Capitol Hill 2008

Arlington, VA

- 05/08 “Effects of An Acute Laboratory Stressor on Regulatory T-Cell (Treg) Levels in Normal Human Peripheral Blood Mononuclear Cells (PBMC)”
Psychoneuroimmunology Research Society (PNIRS)
Madison, Wisconsin
- 06/08 “Differential effect of acute and chronic stress on immune parameters”
XXVII EAACI 2008
Barcelona, Spain
- 06/08 “Stress Immunity and Asthma: Cellular and Molecular Approaches to Identifying the Susceptible”
Academy of Behavioral Medicine Research (ABMR)
Calgary, Canada
- 09/08 “Stress and Asthma”
Long Island Allergy & Asthma Society
Montauk, LI, NY
- 10/08 “Stress, Immunity and Asthma: Translational Mechanisms for Clinical Applications”
Swedish Association for Allergy (SFFA)
Stockholm, Sweden
- 11/08 “Identifying the Stress Susceptible Patient: Immune & Genetic Perspectives”
American College of Allergy, Asthma and Immunology
Seattle, WA
- 12/08 “Psychological Stress and Allergy/Asthma Risk in Children: Pathophysiology and Potentials for Prophylaxis and Intervention”
ACAAI Visiting Professor
Department of Pediatrics
Brown University School of Medicine
Providence, RI
- 1/09 “Stress & Chronic Disease” (Plenary)
What Should Our Asthma “Inflamm-O-Meter” Be? (Plenary)
Western Society of Allergy, Asthma and Immunology (WSAAI)
Annual Scientific Session
Maui, Hawaii
- 2/09 “Developing Research in Clinical Faculty”
(Plenary Session Moderator)
Association of Professors of Medicine (APM)
San Francisco, CA

- 3/09 “Identifying the Stress Susceptible Individual: Molecular, Immune & Psychological Approaches” and “Can Stress Really Kill You”
 ACAAI Visiting Professor
 Department of Family Practice Grand Rounds
 Department of Internal Medicine Grand Rounds
 University of Texas HSC
 Houston, TX
- 5/09 “Human Regulatory T Cell Subpopulations: Normal and Inflammatory Disease Associated Immunophysiology”
 Department of Rheumatic & Immunologic Diseases
 Cleveland Clinic
 Cleveland, OH
- 5/09 “Allergies & Asthma in Pediatrics and Adults” (CME Presentation)
 Grenada Lake Medical Center
 Grenada, MS
- 7/09 “The Hygiene Hypothesis and Asthma Care: Exploring Internal as Well as External Environmental Control (Keynote)”
 Association of Asthma Educators
 2009 Annual Conference
 New Orleans, LA
- 11/09 “The Anatomy and Physiology of a Good Scientific Paper: How to Write and Review Effectively”
 “Chronic Cough in Adults” (Plenary)
 American College of Allergy, Asthma and Immunology
 Annual Scientific Meeting
 Miami, Florida
- 12/09 “Stress and Severe Asthma”
 World Allergy Congress
 Buenos Aires, Argentina
- 3/10 “Botanical Products as Inflammatory/Immune Modulators: Perils and Potentials defined by Mechanisms”
 Nutracon Conference 2010
 Anaheim, CA
- 5/10 “Serum IgE as a Clinical Marker in Non-Allergic Inflammatory Diseases”, “Stress and Immune Dysfunction: Clinical Implications of Maternal Stress on Incidence and Severity of Childhood Atopy and Asthma” and “Identifying the Stress-Susceptible Patient: Genetic, Molecular and Immune Considerations”
 Medical College of Wisconsin
 Children’s Hospital of WI
 Wauwatosa, WI

- 10/10 "Role of denatritic cells in allergen tolerance"
International Conference on Specific Immunotherapy State of the art and perspectives
Taormina, Sicily, Italy
- 11/10 "The Secrets of Getting Published"
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
Phoenix, AZ
- 2/11 "Psychological Stress, Immunoregulation and Asthma: Cellular and Molecular
Approaches to Identify Clinical Susceptible Patient"
SSCI Regional Meeting
New Orleans, LA
- 3/11 "Asthma, Stress, and Immune Response"
International Update of Allergic Diseases
San Francisco, CA
- 8/11 "Chronic Cough"
Mississippi Lung Summit
Jackson, MS
- 9/11 "Stress, Immunity and Asthma: Identifying the Susceptible Patients"
Southeastern Allergy, Asthma and Immunology Society
Point Clear, AL
- 9/11 "Asthma in the South: A Survivor's Guide"
Mississippi Pharmacists Association
Jackson, MS
- 10/11 "The Allergic March: Internal & Environmental Influences"
Pediatric Grand Rounds
"IgE as a marker for nonallergic immune dysregulation"
A/I Fellows & Faculty
The 2011 Donald Fournier Lecture Program
Louisiana State University Health Sciences Center
Shreveport, LA
- 11/11 "Psychological Stress and Asthma Risk – Identifying Patient Susceptibility"
University of Texas Health Science Center
Department of Internal Medicine Grand Rounds
Houston, TX
- 11/11 "Is There a Difference in Potency of Nasal Corticosteroids: Does Receptor Affinity
Equate to Efficacy?"
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
Boston, MA

- 2/12 “Psychological Stress and Asthma Risk: Clinical and Molecular Approaches to Identifying Individual Susceptibility”
Keynote Address
Department of Internal Medicine Research Day
Louisiana State University School of Medicine
New Orleans, LA
- 7/12 “Stress, Immunity and Health: Integrative Approach to Managing Clinical Risk”
UTMB/NASA-JSC Aerospace Medicine Grand Rounds
Universities Space Research Association
The University of Texas Medical Branch
Houston, TX
- 8/12 “Integrative Approach to Lung Disease: Treating the Mind and the Spirit as well as the Lungs”
Mississippi 2012 Lung Summit
Jackson, MS
- 11/12 “Integrative Medicine for the Allergist-Immunologist-Why Should We Care?”
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
Anaheim, CA
- 2/13 “Stress Management and Asthma Care: Why Should It Matter?”
“Managing Stress as a Therapeutic Option for Allergy Patients”
“Integrative Medicine Should Be a Component of Allergy/Immunology Practice”
American Academy of Allergy, Asthma and Immunology
Annual Meeting (Workshop, Symposium Speaker)
San Antonio, TX
- 4/13 “Asthma risk as a result of various forms of Psychological stress?”
VI World Asthma, Allergy & COPD Forum (Plenary)
London, UK
- 10/13 “Stress, Immunity and Health: Applications for Allergists-Immunologists”
Department of Allergy & Immunology Grand Round
Winthrop University Hospital
Mineola, NY
- 11/13 “Hormonal Influence on Atopy and Autoimmune Disease” (Plenary)
“Stress and the Immune System”
“Integrative Allergy: CAM Resources and References for the Allergist”
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
Baltimore, MD
- 4/14 “How to address barriers to make effective education”
“Immune mechanisms in asthma based on gender and race therapeutic implications”
2014 Scientific Programme of the World Congress of Asthma
Mexico City, Mexico

- 4/14 “Stress and Asthma Risk: Implications for optimal Management”
Department of Pediatrics Grand Rounds
Rhode Island Hospital
Providence, RI
- 4/14 “Integrative approach to management of stress in allergy and asthma patients” (Plenary)
VII World Asthma, Allergy & COPD Forum
New York Hilton Hotel
New York, NY
- 7/14 “Psychological Stress and Immunity: Applications for Allergy-Immunology”
“Integrative Medicine for Allergy and Asthma Patients”
The California Society of Allergy, Asthma and Immunology (CSAAI)
A MidSummer Night’s Wheeze
Westin St. Francis
San Francisco, CA
- 8/14 “Integrative Medicine Approach to Asthma Care: Treating the Whole Patient”
Mississippi 2014 Lung Summit
Jackson, MS
- 9/14 “Immune Mechanisms in Allergy and Asthma Based upon Gender, Therapeutic
Implications”
“Therapeutic Stress Management for Allergy and Asthma, Is it Worthwhile?”
2014 Southeastern Allergy, Asthma & Immunology (SEAAI) Conference at Wild Dunes
Isle of Palms, SC
- 11/14 “P-4 Challenges of Allergy and Asthma Drug Therapies in Seniors”
“Meet the Professor Breakfast: M4-Epigenetics”
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
Atlanta, GA
- 11/14 “Hot Topics in Allergy 2015: The Editor’s View”
Highlights in Allergy and Respiratory Diseases
Starhotels President
Genoa, Italy
- 3/15 “Red Meat, Ticks and Food Allergy, Possible Role for Galactose-
alpha-1, 3-galactose (Alpha Gal)”
Biological sciences Department Seminar
University of Southern Mississippi
Hattiesburg, MS
- 8/15 “Red Meat, Ticks and Food Allergy, Possible Role for Galactose-
alpha-1, 3-galactose (Alpha Gal)”
Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI)
Hyatt Regency New Orleans, LA

- 10/15 “Integrative Medicine for Internists: Comprehensive Approach to the Whole Patient”
East Tennessee State University
Quillen College of Medicine
Department of Internal Medicine Grand Rounds
Johnson City, TN
- 10/15 “Integrative Medicine for Internists: Comprehensive Approach to the Whole Patient”
SSCI Visiting Professor Program
University of Central Florida College of Medicine
Health Sciences Campus at Lake Nona
Grand Rounds
Orlando, FL
- 11/15 “M5 High Eos and /or High IgEs: How Do You Evaluate?”
Meet the Professor Breakfasts
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
San Antonio, TX
- 12/15 “Integrative Medicine for Internist: Caring for the Whole Patient”
University of Texas Health Science Center
Department of Internal Medicine Grand Rounds
The Walter M. Kirkendall, MD & Margaret K. Kirkendall Annual Endowed Lecture Series
Houston, TX
- 1/16 “Integrative Medicine and Dentistry: New Opportunities to Improve Health”
University of Mississippi Medical Center
School of Dentistry
The 61st Southern Conference of Dental Deans and Examiners
Jackson Marriott Jackson, MS
- 3/16 “Asthma COPD Overlap Syndrome”
UMMC Family Medicine Talk
Hilton Hotel Convention Center, County Line Road
Jackson, MS
- 9/16 “Spirituality in Medicine: Applications for the Practicing Allergist-Immunologist”
Southeastern Allergy, Asthma, and Immunology Annual Meeting
Miramar Beach, FL
- 9/16 “Atopy and Cancer Risk”
Mississippi Cancer Registry 2016 Annual Fall Educational Workshop
Jackson, MS
- 11/16 “Stress, Mindfulness, and the Allergic Patient”
American College of Allergy, Asthma and Immunology
Annual Scientific Meeting
San Francisco, CA

- 11/16 "Integrative Medicine in the Allergist's Office:
Science and in Practice"
American College of Allergy, Asthma and Immunology Annual Scientific Meeting
(Workshop, Symposium)
San Francisco, CA
- 11/16 "Management of Asthma: Beyond Just Medications"
American College of Allergy, Asthma and Immunology Annual Scientific Meeting
(Workshop, Symposium)
San Francisco, CA
- 12/16 "Stress and Immune System"
World Allergy Organization International Scientific Conference
(Workshop)
Jerusalem, Israel
- 01/17 "The Psychoneuroimmune Components of Immunity in Allergy and
Asthma Care"
Western Society of Allergy, Asthma, & Immunology Annual Scientific Meeting
Big Island, HI
- 02/17 "An Integrative Approach to Allergy and Asthma Care"
Western Society of Allergy, Asthma, & Immunology Annual Scientific Meeting
Big Island, HI
- 02/17 "SNPs as Biomarkers to Predict Psychological Stress-Associated Immune Changes"
Southern Society for Clinical Investigation Southern Regional Meeting
New Orleans, LA
- 03/17 "Psychological stress, environmental factors and the immune response: impact for
space flight and various diseases including allergic rhinitis, asthma, cancer and
diabetes."
NASA 2nd Annual ESA Topical Team Workshop
Rome, Italy
- 06/17 "Finding Balance"
ACAAI Physician Well-Being Task Force Webinar
- 07/17 "Stress and Immunology/Allergy"
Aspen Allergy Conference
Aspen, CO
- 08/17 "Current Strategies in Asthma Care: Beyond the NAEPP Guidelines"
American Lung Association Lung Force Expo
Clyde Muse Center-Hinds Community College-Rankin Campus
Pearl, MS
- 9/17 "The Connection Between Cancer and Allergy/Immunology"
Southeastern Allergy, Asthma & Immunology Society 2017 Annual Meeting
Greensboro, GA

- 10/17 "Biologics: What We Know and Don't Know"
"Integrative Allergy: Evidence-based Integrative Medicine in Allergy Practice"
(Workshop)
"ACAAI in Today's Healthcare Environment" (plenary)
"Integrative Allergy: Tools for Taking an Integrative Medicine History and Resources"
"Current Controversy: Alternative Therapies in Asthma & Allergy Mngmt,
Vitamin D, Fish Oil & Prebiotics/Probiotics
American College of Allergy, Asthma & Immunology Annual Scientific Meeting
Boston, MA
- 11/17 Potentials for Thymosin Peptides in the Treatment of Severe Asthma Endotypes
Fifth International Symposium on Thymosins
Washington, DC
- 02/18 "Use of Biologics to Treat Inflammatory Diseases"
Internal Medicine Grand Rounds
The University of Mississippi Medical Center
Jackson, MS