

## CURRICULUM VITAE

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### 1. EDUCATION

9/72 - 6/76 B.S. -Fundamental Science, Lehigh University  
College of Engineering, Bethlehem, Pennsylvania  
9/75 - 10/76 M.S.-Molecular Biology, Lehigh University  
Graduate School of Molecular Biology, Bethlehem, Pennsylvania  
9/76 - 5/80 M.D.-UMDNJ-New Jersey Medical School, Newark, N.J.

### 2. POSTDOCTORAL TRAINING

7/80 – 6/81 Intern, University of Maryland Hospitals  
Baltimore, Maryland  
7/81– 6/82 Junior Assistant Resident in Medicine, University of Maryland Hospitals,  
Baltimore, Maryland  
7/82– 6/85 Medical Staff Fellow in Hematology  
National Institutes of Health, National Heart, Lung and Blood Institute  
Bethesda, Maryland  
7/83– 6/85 Medical Staff Fellow in Allergy and Immunology  
National Institutes of Health, National Institute of Allergy and Infectious Diseases,  
Bethesda, Maryland

**3. MILITARY** None

### 4. LICENSURE

1985 State of New Jersey Medical License (#45947) –06/07  
1981 State of Maryland Medical License (#D27152) (inactive)  
1982 District of Columbia Medical License (#13508) (inactive)  
1985 State of Florida Medical License (ME0046373) (inactive)

### 5. CERTIFICATION

1984 Diplomate, American Board of Internal Medicine (#091520)  
1985 Diplomate, American Board of Allergy & Immunology (#003598)  
1986 Diplomate, Diagnostic Laboratory Immunology (#00007)  
1980 Certified in Advanced Cardiac Life Support  
1981 Diplomate, National Boards (#227618)  
1982 Re-certified in Advanced Cardiac Life Support  
1984 Authorized User of Radioactive Materials (#8449)  
1994 Certified Basic Life Support

## 6. NARCOTICS CERTIFICATION

1985 - present New Jersey Controlled Drug Substances Reg (#D41531)  
1981 - present Drug Enforcement Agency Registration (#AB1328295)

## 7. APPOINTMENTS

1985 – 1992 UMDNJ – NJ Medical School, Assistant Professor of Medicine and Pediatrics.  
1992 – 2002 Associate Professor of Medicine, Pediatrics and Ophthalmology  
1985 – 2009 Director, Div. of Allergy and Immunology, Department of Medicine  
1997 – 2009 Director, Div. Allergy, Immunology & Rheumatology, Dept. Medicine  
1991 – 2009 Co-Director Immuno-Ophthalmology Service, Dept of Ophthalmology  
1994 – 1995 Member, University Health Care Corp. Advisory Committee  
2000 - 2008 Member, Steering Committee, UMDNJ - National Center for the Elimination of Health Disparities  
2002 - 2009 Professor of Medicine, Pediatrics, Ophthalmology and Visual Sciences  
2010-present Professor, Rutgers University, Center for Environmental Prediction  
2011-present Affiliate Member, NIEHS Center for Environmental Health Sciences at the Environmental and Occupational Health Sciences Institute, Rutgers University and Robert Wood Johnson Medical School, Piscataway, New Jersey

## 8. HOSPITAL APPOINTMENTS

1985- Present Saint Barnabas Medical Center, Livingston, NJ - Consultant Allergy & Immunology  
2011- Present Robert Wood Johnson University Hospital, New Brunswick, New Jersey  
2011 – Present Atlantic Health System, Overlook Hospital, Summit, New Jersey  
1985-2001 Newark Beth Israel Hospital, Newark, NJ - Consultant Allergy & Immunology  
1985-2001 United Medical Center, Newark, NJ - Consultant Allergy & Immunology  
1985 – 2010 UMDNJ – University Hospital, Newark, New Jersey  
1985-2005 East Orange Veterans Administration Medical Center, East Orange, NJ - Consultant Allergy & Immunology

## 9. OTHER PROFESSIONAL POSITIONS AND MAJOR VISITING APPOINTMENTS:

1998 Visiting Professor, Department of Medicine, SUNY – Syracuse Medical School  
2000 William Pierson Visiting Professorship - Allergy & Immunology – SUNY Downstate  
Visiting Professor, Elliott Middleton Lectureship – SUNY Buffalo, Buffalo, N.Y.  
2003 William Pierson Visiting Professorship for the Allergy & Immunology-Atlantic Health System  
Overlook Hospital, Summit New Jersey.

## 10. AWARDS AND HONORS

1975 Phi Beta Kappa - Arts Honor Society  
1975 Tau Beta Pi - Engineering Honor Society  
1985 American College of Allergy, Asthma and Immunology - Fellows Award  
1985 American College of Allergy, Asthma and Immunology - von Pirquet Award  
1985 American Academy of Allergy, Asthma & Immunology - Young Investigator Award  
1985 American Academy of Allergy, Asthma & Immunology - Travel Grant Award  
1985 International Congress of Allergy & Clinical Immunology - Travel Grant Award  
1986 Dean's Award of Clinical Excellence - UMDNJ - New Jersey Medical School  
1999 American Academy of Ophthalmology Achievement Award (ID# 074606)  
2000 Elliot Middleton Visiting Professorship, SUNY- Buffalo  
2001 Dean's Citation, UMDNJ-School of Health Related Professions, Newark, New Jersey  
2001 Certificate of Appreciation, UMDNJ – School of Health Related Professions, Newark, New Jersey  
2001 Certificate of Appreciation, UMDNJ –University Hospital Outreach Programs Newark, NJ  
2001-2012 New Jersey Magazine – “Top Docs” in New Jersey  
1996-2012 Castle, Connolly Guide - The Best Doctors-New York Metro Area  
1996-2012 New York Magazine – “Top Docs” in New York Metropolitan Area and the New Jersey Magazine  
Best Doctors in New Jersey

2005 Certificate of Appreciation, UMDNJ-University Hospital Outreach Programs Newark, New Jersey  
 2007 Argentina Institute of Allergy and Immunology – XVII International Meeting – Plenary Speaker

#### **11. BOARD OF DIRECTORS/TRUSTEES**

1986-1995 New Jersey Medical School Alumni Association  
 1991-1993 New Jersey Allergy, Asthma and Immunology Society Executive Committee  
 1992-2000 University Physician Associates Board of Directors - New Jersey Medical School  
 1994-1998 University HealthCare Corporation Board of Trustees  
 1996-1998 President -NJMS University Physician Associates Board of Directors  
 1993-1995 Steering Committee, NJMed (New Jersey Medical School) Professional Corporation  
 1996-1998 Advisory Board, National Managed Health Care Congress  
 2000-2001 Steering Committee, UMDNJ School of Public Health  
 2002-2006 National Board Member, St. John's Community Service, Washington, D.C.  
 2003-2006 Chairman of Board, St. John's Community Service of New Jersey, Washington, D.C.  
 2011-2014 Member, American College of Allergy, Asthma and Immunology Board of Regents  
 2012 – Present Member, Board of Health, Springfield, New Jersey

#### **12. MAJOR COMMITTEE ASSIGNMENTS**

##### **a. National and Regional**

1987-2004 Allergy and Immunology Training Program Directors  
 1989-1993 Member, American College of Physicians, Medical Knowledge Self Assessment Program (MKSAP) - I for Allergy & Immunology  
  
 1991-1993 American Board of Allergy and Immunology Member - Recertification Examination Committee  
 1991-1999 American Academy of Allergy and Immunology, Chairman - Immuno-Ophthalmology Committee  
 1992-1996 Allergy and Immunology Training Program Directors, Member - Controversial Practices Committee  
 1993-1998 Ex-officio member, National Institutes of Health, National Heart, Lung and Blood Data and Safety Monitoring Committee  
 1993-1999 Study Chairman, National Institutes of Health, National Heart, Lung and Blood Institute, Raynaud's Treatment Study  
 1994-1996 Allergy and Immunology Training Program Directors, Member - Education Committee  
 1994-1996 Member, American College of Physicians, Medical Knowledge Self Assessment Program (MKSAP) -II for Allergy & Immunology  
 1994-1996 Member, Joint Council of Asthma, Allergy and Immunology Board of Trustees  
 Member, New Jersey Department of Health and Senior Services, New Jersey Minority Health Network on Asthma  
 Chair, Dermatologic and Ocular Disease Interest Section, American Academy of Allergy, Asthma and Immunology  
 Member, American Academy of Allergy, Asthma and Immunology Abstract Review Committee  
 1996-1998 Member, Joint Council of Asthma, Allergy and Immunology Board of Trustees  
 1997-1999 Vice Chair, Dermatologic Disease Interest Section, American Academy of Allergy, Asthma and Immunology  
 1998-1999 Co-Chair, American Lung Association, National Committee on Technology  
 1998-1999 Member, New Jersey Department of Health and Senior Services, New Jersey Minority Health Network on Asthma  
 1998-2001 Chair, American College of Physicians, Medical Knowledge Self Assessment Program - Allergy & Immunology, American Academy of Allergy, Asthma and Immunology  
 2000-2006 Member, American Academy of Allergy, Asthma and Immunology, Immuno-Ophthalmology Committee  
 2007-2012 Member, American Academy of Allergy, Asthma and Immunology, Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases & Cough Interest Section

2011-2012	Plenary Representative, American Academy of Allergy, Asthma and Immunology, Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases & Cough Interest Section
2011-2012	Plenary Subcommittee, American Academy of Allergy, Asthma and Immunology, Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases & Cough Interest Section Representative
2007-2012	Member, American Academy of Allergy, Asthma and Immunology, Rhinitis, Rhinosinusitis, Ocular Allergy Committee
2001-2006	Member, American Academy of Allergy, Asthma and Immunology, Aerobiology Committee
2002-2003	Chairman, Complementary & Alternative Medicine Symposium, American College of Allergy, Asthma and Immunology
2004-2012	Member, New Jersey Department of Environmental Protection, Clean Air Council of New Jersey (Governor Appointed)
2008-2010	Chair - New Jersey Department of Environmental Protection, Clean Air Council of New Jersey (Governor Appointed)
2004-2006	Member, National Institutes of Health, National Center for Complementary and Alternative Medicine, Special Emphasis Panel, PAS 03-038, Centers of Excellence for Research on Complementary and Alternative Medicine
2002-2006	Member, U.S. Pharmacopeia, USP Council of Experts, Medicare Model Guidelines Committee legislated by U.S. Congress
2002-2006	Member, U.S. Pharmacopeia, USP Council of Experts, Pulmonary Disease/Allergy Expert Committee
2004-2006	Chair, American Academy of Allergy, Asthma and Immunology, Complementary and Alternative Practices in Allergy Committee
2004-2012	Chair, American Academy of Allergy, Asthma and Immunology, Complementary and Alternative Practices in Allergy Committee
2005 -2007	Member, American College of Allergy, Asthma and Immunology - Public Education Committee
2005-2010	Member, American College of Allergy, Asthma and Immunology - Abstract Review Committee
2006-2010	Associate Editor, Annals of Allergy, Asthma & Immunology
2006-2008	Member, Joint Council of Allergy and Immunology – Joint Task Force - Practice Parameters of Allergic Eye Disease – Diagnosis and Management
2008-present	Chair, Joint Council of Allergy and Immunology – Joint Task Force - Practice Parameters of Allergic Eye Disease – Diagnosis and Management
2008-2010	Chair, ACAAI Integrative Medicine Committee
2008-2010	Chair, ACAAI Ocular Allergy Committee
2008-2010	Member, ACAAI Medical Informatics Committee
2008-2010	Vice Chair, ACAAI Public Education and Outreach Committee
2008-2010	Member, ACAAI Continuing Medical Education Committee
2011-2013	Member, AAAAI Complementary and Alternative Practices in Allergy Committee
2010-2013	Member, AAAAI, Immunotherapy, Rhinitis, Sinusitis, Ocular diseases & Cough Interest Section
2010-2013	Plenary Representative, AAAAI, Immunotherapy, Rhinitis, Sinusitis, Ocular diseases & Cough Interest Section
2010-2013	IRSOC representative, AAAAI, Plenary Subcommittee

#### **b. Medical School**

1985-1989	Member, UMDNJ-NJMS Institutional Review Board
1985-1986	Member, UMDNJ-NJMS Continuing Education Committee
1985-1986	Member, UMDNJ-NJMS Department of Medicine, Quality Assurance Committee
1988-1990	Member, UMDNJ-NJMS Medical Office Complex Committee
1988-1990	Member, UMDNJ-NJMS Continuing Education Committee
1988-1990	Interviewer, UMDNJ-NJMS Admissions Committee
1989-1993	Member, UMDNJ-NJMS Biomedical Research Support Grant Committee
1992-1993	Co-Chair, UMDNJ-NJMS Biomedical Research Support Grant Committee
1989-1995	Member, UMDNJ-Foundation Grant Committee
1990-1991	Member, UMDNJ-NJMS Search Committee for Chairperson, Department of Medicine
1994-1995	Member, UMDNJ-NJMS Managed Care Committee
1996	Member, LCME Faculty Site Visit Committee
1996-1999	Member, UMDNJ-NJMS Biomedical Research Support Grant Committee

1996-1999 Member, New Jersey Medical School Continuing Medical Education Committee  
 1997-1998 Member, New Jersey Medical Alumni Association Nominating Committee  
 1996-1999 Member, National Institutes of Health/National Library of Medicine - Integrated Advanced Information Management System (IAMIS) - Technology Planning Committee  
 1997-1999 Member, UMDNJ-NJMS Institutional Board Overview Committee  
 1998-2000 UMDNJ-NJMS-Clinical Research Subcommittee Member  
 1997-2002 UMDNJ-Neurological Institute Musical Moments Event Committee  
 Hospital  
 1993-1995 Essex County Medical Society Hospital Relations Committee  
 1996-1997 Member-University Hospital Ambulatory Care Business Plan Committee  
 1997-1999 Co-Chairman, Medical Staff Bylaws Committee  
 Member, University Hospital Medical Record Confidentiality Committee  
 Member, University Hospital Leadership Task Force

### c. Hospital

1987-1988 Member, UMDNJ-University Hospital Surgical Review Committee  
 1987-1990 Member, UMDNJ-University Hospital Transfusion Committee  
 1987-1988 Member, UMDNJ-University Hospital Marketing Committee  
 1992-1993 President-Elect, UMDNJ-University Hospital Medical Staff  
 1993-1995 President, UMDNJ-University Hospital Medical Staff  
 1993-1995 Member, UMDNJ-University Hospital Joint Council  
 1993-1994 Member, UMDNJ-University Hospital CEO Search Committee  
 1993-1994 Member, UMDNJ- University Hospital Search Committee for Director of Ambulatory Care  
 1996-1997 Member, UMDNJ- University Hospital Search Committee for Vice President of Ambulatory Care Services  
 1996-1997 Member UMDNJ-University Hospital Space Reallocation Committee

### d. Department

1990 -1996 Member, NJMS-University Physicians Associates Board of Trustees  
 1996 – 2000 Chairman, NJMS-University Physicians Associates Board of Trustees  
 2002 - 2003 Member, NJMS-University Physicians Associates Board of Trustees  
 2003 - 2008 Director, Development and Clinical Research

### e. Editorial Boards

1988 - 1995 Associate Editor, New Jersey Medicine  
 1992 - 2004 Editorial Board, Annals of Allergy, Asthma & Immunology  
 1993 – 1997 Editorial Board, American Journal of Asthma & Allergy for Pediatricians  
 1996 – 1999 Contributing Editor, J of Allergy and Clinical Immunology  
 2004 - 2005 Editorial Board, BMC Occupational and Environmental Medicine  
 2005 – 2012 Associate Editor, Annals of Allergy, Asthma and Immunology  
 2005 - present Editorial Board, J. of Occupational Medicine and Toxicology  
 1996 - present Reviewer, Journal of Allergy and Clinical Immunology  
 2002 - present Reviewer, Allergy  
 2002 - present Reviewer, Clinical Therapeutics  
 2008 - present Reviewer, British Journal of Pharmacology  
 2008 - present Reviewer, American Journal of Medicine

## 13. MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

1993-1995 Member, New York Academy of Sciences  
 1992-1995 Fellow, New York Academy of Medicine  
 1989-1995 Member, Association for Research in Vision & Ophthalmology Immunology Section (#35493)  
 1988-1995 Member, American Association of Immunologists  
 1988-1995 Member, American Federation of Clinical Research  
 1987-1995 Fellow, American Association of Certified Allergists  
 1985-1988 Member, Amer. Academy of Allergy, Asthma & Immunology (#11776)

1988-1995	Fellow, Amer. Academy of Allergy, Asthma & Immunology (AAAAI)
1988-1999	American Academy of Allergy, Asthma & Immunology (AAAAI) Member - Aerobiology Committee
	Fellow, Amer. College of Allergy, Asthma & Immunology (#02559)
1996-1998	Member, Joint Council of Asthma, Allergy and Immunology Board of Trustees, Chairman - Membership Committee
1984-1996	Fellow, American College of Physicians (#068720)
	Member, American Medical Association (#03305800103)
	Member, American Thoracic Society (#000134421)
1986-2011	Life Member, Sigma Xi, Scientific Research Society (#869990674)
1997-2001	Member, Program Committee, American Academy of Allergy, Asthma and Immunology
1998-2001	Managed Care Committee, American Academy of Allergy, Asthma and Immunology
1997-2002	Medical Informatics: Computers & Technology Committee, American College of Allergy, Asthma and Immunology
1999-2008	Member, Immuno-Ophthalmology Committee, American Academy of Allergy, Asthma and Immunology
1999-2001	Co-Chair AI-MKSAP, American Academy of Allergy, Asthma and Immunology
	Member, Aerobiology Committee, American Academy of Allergy, Asthma and Immunology
1997 - 2006	Member, AAAAI Abstract Review Committee
1985 - 2004	Member, Allergy and Immunology Training Program Directors
2001 - 2005	Member, AAAAI Interest Section Coordinating Committee
2001 - 2004	Member, AAAAI TPD-RRC Working Group
2000 - 2009	Member, ACAAI Abstract Review Committee,
2005- 2007	Member, ACAAI, Annual Program Committee
2005 - 2007	Member, ACAAI - Public Education Committee
2004 - 2009	Vice Chair, ACAAI - Complementary and Alternative Medicine Committee
2007 - 2009	Chair, ACAAI - Ocular Allergy Committee
2008 – 2012	Member, ACAAI – CME Committee
2009 – 2010	Chair, ACAAI - Integrative Medicine Committee
2009 – 2010	Member, ACAAI Public relations Committee
2009 – 2010	Member, ACAAI Annual Program Committee Meeting
2009 – 2010	Member, AAAAI, Abstract Review Committee
2012 – present	Member, ACAAI, Publication Committee
2012 – present	Member, ACAAI, Website Committee
2012- present	Member, ACAAI, Computer On Line for Allergy Oversight Committee
2011- 2013	Member, ACAAI Board of Regents
2012 - 2013	Member, ACAAI, Continuing Medical Education Committee/Continuing Professional Development Committee

#### 14. MAJOR RESEARCH INTERESTS

- Climate Change and Allergic Airway Disease
- Immuno-Ophthalmology – Ocular Allergy
- Asthma Disease Management & Outcomes
- Complementary & Alternative Medicine

#### Federal Advisory Panels

2003-2008	NIH/NCCAM –Univ. of N. Carolina, Center for Environmental Medicine, Asthma&Lung Biology
1998-2000	CDC – Yale, Asthma Health Program
2001-2003	National Institutes of Health – Study Section – Complementary and Alternative Medicine
2003-2007	USP Pharmacopoeia – Immunology and Respiratory Group

#### National Research Advisory Boards/Consultants (past and present)

- Sanofi-Aventis (Aventis) – Pulmonary, Allergy & Infectious Diseases
- Merck – Respiratory & Allergy
- Fujisawa – Dermatology, Immunology & Allergy

- Novartis – Respiratory, Dermatology & Allergy
- Forest – Respiratory & Allergy
- Inspire – Ophthalmology & Allergy
- Meda (Medpointe)– Ophthalmology & Allergy
- EyeTech – Ophthalmology & Allergy
- Alcon – Ophthalmology & Allergy
- Bausch & Lomb – Ocular Allergy
- ISTA – Ophthalmology and Allergy
- Allergan – Ophthalmology & Allergy
- GlaxoSmithKline – Respiratory & Allergy
- AstraZeneca – Respiratory & Allergy
- Pfizer – Allergy
- UCB Pharma – Allergy
- Altana – Respiratory & Allergy
- Genentech – Allergy
- Genzyme –
- Advanced Plant Pharmaceuticals
- Schering Plough - Allergy
- Santen
- Otsuka
- ISTA Pharmaceuticals – Ocular Allergy
- Novartis – Pediatrics – Allergy - Complementary and Alternative Medicine
- Wyeth – Allergy and Respiratory

## 15. GRANT HISTORY

### a. Past Grants

1. UMDNJ Foundation (#10-87); Serum Sickness: A detailed analysis of the human immune response; PI: Dr. Bielory-35% effort; Amount each year: \$12,000.00; Total amount: \$24,000.00; Total period of support: July 1986 through December 1988.
2. Fight for Sight Inc. PD#022-88; Autoantibodies of the optic nerve; PI: Dr. Bielory, 10% effort; Amount Each Year \$12,000.00; Total amount \$12,000.00; Total period of support: July 1, 1988 through June 30, 1989
3. NIH-National Institutes of Mental Health; Autoimmune role in the AIDS dementia complex; PI: Dr. Schutzer, Dr. Bielory's Effort:10%; Amount each year \$82,450.00; Total Amount: \$128,595.00; Total period of support: September 1, 1988 through August 31, 1990
4. BRSG-NIH; Sulfa induced drug reactions in AIDS; PI: Dr. Bielory-15% effort; Total support \$8,900; Period of support: March 1990 - April 1991
5. Lions Research Foundation of New Jersey; Autoantibodies and the Optic Nerve; P.I. Dr. Bielory - 15% effort; Total amount of support - \$16,000; May 1990 - June 1991
6. Sandoz Pharmaceuticals Corp.; Immunologic Disorders of the Visual System; P.I. Dr. Bielory - 10% effort; Total amount of support - \$25,000; Period of support September 1989 - July 1990.
7. Lions Eye Research Foundation of New Jersey-Immunological Analysis of Tears, PI: L. Bielory; 10% effort; \$22,135; October 1990-September 1991
8. Fight for Sight Inc.; Autoantibodies of the optic nerve; PI: Dr. Frohman; CO-PI: Dr. Bielory, 10% effort; \$12,000.00; Total amount \$12,000.00; Total period of support: July 1, 1990 through June 30, 1991
9. Sandoz Pharmaceuticals Corp. - Non Transplant Uses of Cyclosporine; PI: L. Bielory; 10% effort; \$13,500. January 1991 - December 1991.
10. Eye Institute of New Jersey - Autoantibodies and the Optic Nerve. PI: L. Bielory; 10% effort; \$15,000; January 1990-December 1991.
11. New Jersey Fund for the Blind - Autoantibodies and the Optic Nerve. Co-PI: L. Bielory; 10% effort; \$10,243; December 1990-November 1991.
12. Protocare Corporation - Intravenous Gammaglobulin and Home Health Care Issues. PI: L. Bielory, M.D.; 15% effort; \$220,000; April 1991 - December 1993.

13. UMDNJ Foundation - Immunological Analysis of Tears. PI: L. Bielory; 10% effort; \$21,087; July 1991 - June 1993.
14. Sandoz Corporation - Intravenous Gammaglobulin and Home Health Care Issues. PI: L. Bielory, M.D.; 15% effort; \$100,000; November 1991 - December 1993.
15. Abbott Laboratories; Phase III Zileuton study in the treatment of Asthma; PI: L. Bielory, M.D.; 10% effort; \$60,000; June 1993-January 1994.
16. 3M Pharmaceuticals; Phase III Non-chlorofluorocarbon propellant system for inhaled bronchodilators (SILV-1012); PI: L. Bielory, M.D.; 10% effort; \$120,000; September 1993 - April 1994.
17. Schering Pharmaceuticals; Multicenter Phase IV Quality of Life Comparisons between inhaled anti-inflammatory agents (Vanceril<sup>®</sup> and Azmacort<sup>®</sup>); PI: L. Bielory, M.D.; 2.5% effort; January 1995 - December 1995; \$36,000
18. SmithKline Beecham Pharmaceuticals; Multicenter Phase III Study of novel anti-inflammatory agent in the treatment of Asthma; PI: L. Bielory, M.D.; 2.5% effort; \$86,100; January 1995-January 1996.
19. Abbott Laboratories; Multicenter Phase III Long Term Study of Zileuton in the treatment of Asthma; PI: L. Bielory, M.D.; 2.5% effort; \$33,100; January 1995-January 1996.
20. Hoechst Marion Roussel Pharmaceuticals; Multicenter Phase III Study of fexofenadine (Allegra<sup>®</sup>), a non-sedating antihistamine in the treatment of mild to moderate rhinitis in African American patients; PI: L. Bielory, M.D.; 2.5% effort; \$24,000; March 1996 - June 1996.
21. Zeneca Pharmaceuticals; Multicenter Phase III Study of zafirlukast (Accolate<sup>®</sup>), an anti-inflammatory agent in the treatment of mild to moderate Asthma 14 week study; PI: L. Bielory, M.D. with 1 year open label option; 2.5% effort; \$123,100; August 1995 - March 1996.
22. Pfizer Pharmaceuticals; Multicenter Phase III Study of cetirizine (Zyrtec<sup>®</sup>), a low sedating antihistamine in the treatment of mild to moderate rhinitis; PI: L. Bielory, M.D.; 2.5% effort; \$36,000; March 1996 - June 1996.
23. Zeneca Pharmaceuticals; Multicenter Phase III Study of zafirlukast (Accolate<sup>®</sup>), an anti-inflammatory agent in the treatment of mild to moderate asthma: Inhaled steroids versus zafirlukast; PI: L. Bielory, M.D.; 2.5% effort; \$136,000; March 1996 - September 1996.
24. Zeneca Pharmaceuticals; Multicenter Phase III Study of zafirlukast (Accolate<sup>®</sup>), an anti-inflammatory agent in the treatment of mild to moderate Asthma 3 week study with 1 year open label option; PI: L. Bielory, M.D.; 2.5% effort; \$136,000; September 1995 - November 1996.
25. Second Multicenter Asthma Research Collaboration (MARC-2): An observational study of acute asthma management; P.I.: Harvard University; Collaborator: L. Bielory, M.D.; 2.5% effort; 3/1/97 - 8/1/97
26. Zeneca Pharmaceuticals; Multicenter Phase IV Study of zafirlukast (Accolate<sup>®</sup>), an anti-inflammatory agent in the treatment of mild to moderate Asthma 3 month study; PI: L. Bielory, M.D.; 2.5% effort; \$82,500; January 1997 - June 1997.
27. Abbott Laboratories Pharmaceuticals, Immunoscience Venture; Multicenter Phase III Study of the efficacy of Zileuton 1200 mg BID, Controlled Release (CR), and 600 mg QID, Immediate Release, and placebo in Patients with Moderate Asthma; PI: L. Bielory, M.D.; 2.5% effort; \$33,100; December 1996 - June 1997.
28. Merck Corporation - Inner City Asthma Study - Mobile Asthma Van; PI: Leonard Bielory, M.D.; 10% effort; 4/30/97 - 8/30/97; Total Cost \$15,750.
29. Third Multicenter Asthma Research Collaboration (MARC-3): Study of acute pediatric asthma management; P.I.: Harvard University; Collaborator: L. Bielory, M.D.; 2.5% effort; 9/1/97 - 12/1/97
30. Glaxo Wellcome Corporation - Neuraminidase Inhibitor Treatment for Influenza in High Risk Patients - Phase III; PI: Leonard Bielory, M.D.; 10% effort; 1/1/98 - 3/28/98; Total Cost \$37,898.
31. Astral USA, Inc.; A study of the impact of Plutocrat (budesonide) Turbinaler on health outcomes in an inner city managed care population; PI: Leonard Bielory, M.D.; 2.5% effort; 6/1/97-11/30/98; Total Cost \$97,000
32. Zeneca Pharmaceuticals; Multicenter Phase IV Study of zafirlukast (Accolate<sup>®</sup>), an anti-inflammatory agent in the treatment of mild to moderate Asthma in children; PI: L. Bielory, M.D.; 1% effort; \$36,000; January 1998 - July 1998.
33. Glaxo Wellcome; Multicenter Phase III Study of a nebulized steroid in the treatment of mild to moderate Asthma in children; PI: L. Bielory, M.D.; 2.5% effort; \$24,000; August 1998 - December 1998.
34. Forest Pharmaceuticals; Multicenter Phase III Study of a nebulized steroid in the treatment of moderate to severe pediatric asthma; PI: L. Bielory, M.D.; 1% effort; \$26,000; September 1998 - December 1998.



35. Schering Plough; Multicenter Phase III Study of a mometasone fuorate in comparison to beclomethasone in the treatment of asthma in children; PI: L. Bielory, M.D.; 1% effort; \$34,000; August 1998 - December 1998.
36. Astra Pharmaceuticals; A Multicenter, Multinational, Double Blind Group Comparative Study to Investigate the Dose Ranging Effects of Multiple Doses of AR-C68397AA via pMDI Compared with Placebo in Adult Patients with Chronic Obstructive Pulmonary Disease. P.I.: L. Bielory, M.D.; 1% effort; \$73,000; November 1998 – May 1999.
37. Hoechst-Marion Roussell Pharmaceuticals; A Multicenter Clinical Trial for the Treatment of Perennial Allergic Rhinitis; L. Bielory, M.D.; 1% effort; \$26,000; Nov 1998 – March 1999.
38. Fourth Multicenter Asthma Research Collaboration (MARC-4): An interventional emergency department treatment study; P.I.: Harvard University; Collaborator: L. Bielory, M.D.; 2.5% effort; 9/1/98 – 12/1/98
39. American College of Allergy, Asthma & Immunology; Fellowship Training Grant; P.I.: L. Bielory, M.D.; 1% effort; \$26,000; July 1998 – June 1999.
40. American College of Allergy, Asthma & Immunology; Training Clinical Investigators (sponsorship for fellow Dr. C. Daian); Title of Specific Project – The Effect of Macrolide Antibiotics in the Treatment of Moderate to Severe Asthma; Supervising Investigator: L. Bielory, M.D.; 2.5% effort; \$10,000; Nov 1998 – June 2001.
41. Merck Corporation, SMART (Monteleukast Study); P.I.: L. Bielory, M.D.; 1% effort; \$26,000; December 1999 – Dec 2000
42. **National Institutes of Health, National Heart, Lung and Blood Institute - Raynaud's Treatment Study**; NO1-HC-25120; PI: Leonard Bielory, M.D.; 35% effort; 9/30/92 - 11/30/00; Total Direct Cost \$864,898. (Presently in publication phase)
43. **Centers for Disease Control and Prevention**, U59/CCU217776-01, Addressing Asthma from A Public Health Perspective; P.I. New Jersey Department of Health and Senior Services; Co-Investigator: L. Bielory, M.D.; 2.5% effort; 9/1/00-8/31/01; Total Cost \$199,957
44. Otsuka America Pharmaceutical Research 196-01-216; Raynaud's Study OPC-28326; Phase II, Multicenter, randomized, double blind, placebo controlled, Parallel Group Study of the Efficacy and Safety of OPC-28326 in subjects with Raynaud's Disease; 5%; \$65,000
45. Glaxo Wellcome Pharmaceuticals; Gaining Optimal Asthma Control (GOAL): A multicentre, stratified, randomized, double-blind, parallel group, step-up comparison of the level of asthma control achieved with salmeterol/fluticasone propionate combination Diskus<sup>a</sup> (Accuhaler<sup>a</sup>) dry powdered inhaler compared with fluticasone propionate Diskus<sup>a</sup> (Accuhaler<sup>a</sup>) alone in adults and adolescents. ; L. Bielory, M.D.; 2.5% effort; \$47,000; Nov 2000 Ø Nov 2001.
46. Aventis Pharmaceuticals; A Phase III Multicenter, Double Blind, Placebo Controlled Study Assessing the Effects of Ciclesonide Metered Dose Inhaler 50 ug/day and 200 ug/day Administered Once Daily on Growth in Children with Mild Persistent or Mild Intermittent Asthma; L. Bielory, M.D.; 2.5% effort; \$56,000; Nov 2000 – March 2002.
47. Fight for Sight/Research to Prevent Blindness; Is Raynaud's Phenomenon a risk factor for non-arteritic ischemic optic neuropathy?; Co-Investigator – L. Bielory, M.D. 2.5% effort; 09/01/01 – 08/31/02; Total cost \$20,000
48. UMDNJ Foundation – Aventis Pharmaceuticals; American Journal of Medicine Allergy Supplement, P.I.: Leonard Bielory, M.D. 5% effort; 09/01/01 – 08/31/02; Total Cost \$156,100
49. Novartis Pharmaceuticals; The Epidemiology and Natural History of Asthma; Outcomes and Treatment regimens.; L. Bielory, M.D.; 2.5% effort; \$34,000; Dec 2000 – Nov 2005.
50. **Environmental Protection Agency; (Agreement X982553-01-0)** Community Based In-Home Asthma Environmental Education and Management; Community Resource for Environmental Asthma Management (C.R.E.A.M.); P.I. Leonard Bielory, M.D. 5% 10/01/01 – 09/30/03; Total Cost \$ 50,000
51. UMDNJ Foundation – Merck Foundation – United Way; Friendly Fuld Asthma, P.I.: Leonard Bielory, M.D. 2.5% effort; 11/01/01 – 10/31/02; Total Cost \$30,000
52. ACGME RFP 2000; Complementary Medicine Education; 5% effort; 7/01/01 – 6/30/03
53. East Orange Breath EASI; New Jersey Department of Health and Senior Services; Co-P.I.: Leonard Bielory, M.D. 5% effort; 100,000 per year 7/01/03 – 6/30/05; Total Cost \$200,000; UMDNJ \$136,000
54. **HHS - Office of Minority Health (Agreement D52MP01004-01)**; East Orange Asthma Intervention and Relief Project; P.I. Leonard Bielory, M.D. 5% effort in concert with Northern Consortiu 10560m 09/01/01-08/30/04; Total Cost \$146,953 total; UMDNJ \$60,576

55. **National Institutes of Health (R13 AT01224-01)**; Scientific Advances in Complementary and Alternative Medicine: Advances in Allergy, Asthma and Immunology; Princ. Investigator Leonard Bielory, M.D.; 15% effort: 07/01/02-06/30/03; Total Cost \$ 10,000
56. Merck Corporation; Post Emergency Department Treatment of Asthma with Monteleukast; P.I.: Leonard Bielory, M.D. 2.5% effort: 01/30/01 – 6/30/04 Total cost \$ 50,000.
57. **National Institutes of Health**; Complementary Medicine Education Project Grant (PAR-00-027); Co-Investigator L. Bielory, M.D.; collaborator: 8/01/03-03/30/04; Total Cost \$5,000; P.I. R. Touger-Decker, Ph.D.
58. ATSDR; **Applied Research and Development 02112** (PI: Fagliano, J.) Co-Investigator L. Bielory (2.5%), M.D.; collaborator: 7/01/04 - 6/30/07; Total cost: \$174,000
59. Genentech/Novartis; **Epidemiology Monitoring of Anti-IgE Treatment of Asthma. EXCELS** (PI: Bielory, L.); 2.5-10%; Total cost: \$123,000.
60. Lev Pharmaceuticals; **Acute and Prophylactic Treatment of Hereditary Angioedema. Hereditary Angioedema** (PI: Bielory, L.); 5/01/06 - 6/30/08; 2.5%; Total cost: \$110,000
61. DYAX Pharmaceuticals; **Acute and Prophylactic Treatment of Hereditary Angioedema (DX-88)**; (PI: Bielory, L.) 10/01/07 - 12/30/08; 2.5%; Total cost: \$110,000
62. Schering Plough Pharmaceuticals; **Intranasal steroid effect on the eye**; (PI: Bielory, L.); 2/01/08 - 2/30/09; 2.5% Total cost: \$110,000
63. Allergan Pharmaceuticals; **Ophthalmic Cyclosporine Solution Treatment for Atopic Keratoconjunctivitis**; (P.I.s Bielory, L., Parehk, J. Kanuga, J) 5/01/09 - 6/30/10; 2.5%; Total cost: \$120,000

**b. Active Grants** (federal grants are in bold)

- **Environmental Protection Agency; (STAR SU834357010) Climate Change and Allergic Airway Disease**; P.I. Leonard Bielory, M.D. 5% 4/01/10 – 09/30/13; Total Cost \$ 900,000
- Jerini Pharmaceuticals; **Acute Treatment of Hereditary Angioedema. Hereditary Angioedema** (P.I.: Kanuga, Bielory, L.); 5/01/09 - 6/30/10; 2.5%; Total cost: \$110,000
- Genentech/Novartis; **Epidemiology Monitoring of Anti-IgE Treatment of Asthma. EXCELS** (PI: Kanuga, J, Bielory, L.); 2.5%; Total cost: \$123,000.

**c. Applications Under Consideration**

**Climate Change and Food Allergy**

The objectives of this proposal are to determine the impact of climate change on the allergenicity (allergen content) of various species of plants associated with food allergy (peanuts, soy, wheat) using plant chambers with in vitro (immunological, molecular plant genomics) assays. Presently assessing the content of peanut allergen content of 2 species of peanuts grown at 2 different CO<sub>2</sub> concentrations.

**Sea Breeze and Impact on Human Health**

The major goals of this project are to promote the Oceans and Human Health Initiative with a focus on Asthma, Allergies and Infectious agents impact by studying the impact of sea breeze and aerosolizations on the inflammatory responses on the respiratory track and the development on a educational curriculum for the general public.

**Pollen Exposure Forecasting**

The prevalence of allergic diseases has increased in the United States and other parts of the world during the last 30 years. Allergic diseases (e.g., rhinitis and asthma) are some of the top chronic diseases in the U.S. and cost approximately \$21 billion per year. One of the most significant contributors to this increase could be the exposure to aeroallergens such as ragweed (*Ambrosia* spp.) pollen. Anthropogenic land use and climate change may be contributing to the increased level of ragweed, and other native and invasive species pollen exposure. Expanding on the present EPA STAR grant using Bayesian pollen modeling and the utility of NASA's time series of remotely sensed MODIS phenology data (in integration with current and future climatic predictors) in forecasting seasonal pollen production and predicting "hotspots" of risk of human exposure to seasonal allergies across the United States and show how changes in

phenology, land use, and climate can alter seasonal allergies and exposure to humans. The modeling will greatly advance spatial-temporal modeling capabilities, and the on-line mapped products will provide important information to public health managers to prioritize areas for prevention and control efforts for managing seasonal allergies under changing phenology, climate and land use. The online maps will be used by scientists, news services, doctors, and the public.

## 16. MAJOR TEACHING EXPERIENCE

### Undergraduate

Kean University Research program

Ravindra Sangitha (2011) – Angioedema and Superior Vena caval Syndrome

Rutgers University

Omry Zuckerman (2011) – Internet and Allergic Disorders

Rachel Zezion (2011) – Pharmacoeconomics of Anterior Surface Ocular Disease

Peter Panagiotis (2011) – Epidemiology of Allergic Disorders (NHANES II vs III)

### Medical Student & Residents

#### First Year

1990 Participation in the development of Immunology core curriculum for the new medical school integrated curricula under the Directorship of Dr. E. Alger and more recently in 2005 overhaul of the LCME approved medical student education program.

1997 Guest Lecturer for medical student elective course

“Issues in Law and Medicine” – Integrated Health Care Systems

2004 LCME subcommittee regarding medical student education

2004 Clinical Research Program for 5 students focusing of grantsmanship, clinical protocol development, manuscript structure

#### Second Year

1986-1998 Participation in the preparation and lecturing on several topics for the combined Pathology-Microbiology "immunology course" under the directorship of Dr. N. Ponzio (1986), Dr. P. Bocarsly (1987-1990), Dr. Raveche (1991 & 1992), and Dr. N. Ponzio (1993).

1985 Participation in the organization and preparation of the Allergy and Immunology portion of the Introduction to Clinical Science Course under the directorship of Dr. M. A. Haggerty. This portion of the course was never offered before until the founding of this division in 1985.

1985- present 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Years - Direct supervisor of several medical students performing basic and clinical research in the UMDNJ –Asthma & Allergy Research Center. Several of these students were funded using the UMDNJ-Foundation summer research program and the Department of Medicine work-study program. Additional students with sincere interests in research and academics received further support by external agencies as reflected in the "Grant History Section" by the American Academy of Allergy and Immunology and Sigma Xi. All students who continued their research interests have entered extremely competitive residency programs.

1985-2002 Introduction to Clinical Science – Allergy, Asthma and Immunology

2004-2007 Disease Processes, Prevention and Therapeutics

### Medical Students

The students are listed below. Those having an (\*) have also received travel grants to present their research at national meetings. Those having a (\*\*) have published their results in nationally peer reviewed journals. These are in addition to fellows and residents predominantly from the New Jersey Medical School Programs.

- Catherine Origlieri ('08)\*\* Intranasal Steroids and Ocular Allergy
- Joohee Lee ('08)\* \*\* – Meta-analysis of Probiotics and Atopic Dermatitis
- Thomas John ('07)\*\* - Conserved Domains of Parasites and Allergens
- Mansi Kanuga ('04)\*\* – Complementary Medicine in Atopic Dermatitis

- Mathew Gewirtz ('01)\*\* – Asthma and Vasculitis
- Kristin Lupoli ('98)\*\* – Herbal Interventions for Asthma & Allergies
- Avi Deener (02')\*\* – Asthma and Air Pollution
- Veken Guyekian ('01) – Pulmonary Function Telemedicine
- Theresa Aquino ('98), Paul Pinho ('99)\*\* - American Academy of Asthma, Allergy and Immunology Research Abstracts. Telemetry of Field Spirometry Data to Assist Physician Treatment and Triage of Asthmatic Patients.
- Ahmad F. Bhatti ('98) -. Influence of Point-Of-Care Testing (PCT) of Whole Blood Chemistry in Treatment of Triage of EMS and Emergency Department Patients.
- Alejandro Kitzis ('98) - An Evaluation of the Use of Spirometry in the Pre-Hospital Care of Asthmatics.
- Davin Budhwani ('98) - Asthma Quality of Life Questionnaires in the Assessment of Severity of Asthma.
- John Hazleton ('97) - American Academy of Asthma, Allergy & Immunology
- Mark Wilkinson ('92) - Tear Fluid IgG in AIDS. Sigma Xi
- Marie Helmold\* ('90) - American Academy Allergy and Immunology Grant
- Robert Fucigna ('90) - Sigma Xi
- John Lucca\* ('89) - Sigma Xi & Travel Grant from Assoc. for Research in Vision & Ophthalmology
- Avi Cohen ('89) - Sigma Xi

### Residents

A recent addition to the educational initiatives has been to cultivate an interest in the subspecialty of allergy and immunology within the internal medicine and other related residency training programs. The residents are listed below that have participated in research and have published their results in nationally peer reviewed journals.

Todd Wilson, D.O. (2003) – presently in Allergy and Immunology program at the National Institutes of Health

Avi Deener, M.D. (2004) – completed his Allergy and Immunology training Albert Einstein School of Medicine

Jennifer Heimall, M.D. (2005) – completed Allergy and Immunology program National Institutes of Health; now faculty at Children's Hospital of Pennsylvania

Saailija Noothteti, M.D. (2006) - completed her allergy & immunology fellowship at UMDNJ

Julie Kuriakose M.D. (2007) - presently completing her fellowship at Columbia University

Simi Kapoor, M.D. (2008) - presently in Allergy and Immunology program UMDNJ – New Jersey Medical School; 2nd Place ACAAI Von Pirquet Research Award

Timothy Mainardi, M.D. (2009) – presently at Allergy and Immunology program at NY Columbia Presbyterian

Sara Axelrod, M.D. (2009) accepted to Allergy and Immunology program at Winthrop University North Shore Hospital, NY

Gina Dapul-Hidalgo, M.D. (2009) accepted at Allergy and Immunology program at Downstate Medical Center, NY

Soo Cho, M.D. (2009) presently in Allergy and Immunology program at UCLA VA Los Angeles, California

Jison Hong, M.D. (2010)

Seth Breitbart, M.D. (2010)

### Fellows

1985 - The establishment of the Division of Allergy and Immunology in the Department of Medicine at the New Jersey Medical School in 1985. The New Jersey Medical School has the **only** Allergy and Immunology Fellowship training program in the state of New Jersey. The program which has recently been reviewed by the American Board of Allergy and Immunology which has most recently shown to have a 100% passing rate on the boards for its most recent graduates. The development of the Division of Allergy and Immunology program has required the direct supervision and education of residents and fellows in the Department of Medicine. Extensive supervision is given to fellows in the development and organization of clinical studies and preparation of manuscripts as reflected in the presentation of abstracts and publications. Didactic sessions include weekly journal clubs, case presentations and rounds, as well as competency in procedures (rhinolaryngoscopy, skin testing, skin biopsy). In addition, other departments including pediatrics, ophthalmology, otorhinolaryngology, and obstetrics/gynecology are also aided in the education of their residents in the discipline of allergy and immunology.

1990- The establishment of the Immuno-Ophthalmology service within the Eye Institute of New Jersey.

The initiation of a joint fellowship program between the Departments of Ophthalmology and Medicine focusing on the immunologic evaluation of oculosystemic disorders. 1987- Organized a day long course titled "Allergy Today: A course for the Practicing Physician" with over 100 attendees.

## Ph.D. candidates

### UMDNJ - School of Public Health

- Ph.D. Thesis candidate committee (Dr. Jay Blum)
  - Complementary medicine in urban asthmatics (completed requirements and received degree at UMDNJ commencement 2009)
- Ph.D. Thesis candidate committee (Dr. Stella Tsai)
  - Aerobiological impact on asthma ER admissions (completed requirements and received degree at UMDNJ commencement 2007)

### UMDNJ – Rutgers University – Environmental and Occupational Science Health Institute

- Ph.D. Thesis candidate committee (Dr. Efthathiou)
  - Aerobiological Modeling (completed requirements and received degree at UMDNJ commencement 2009)
- Ph.D. Thesis candidate committee (Dr. Yong Zhang)
  - Aerobiological Modeling and Climate Change (projected 2013)

### Mount Sinai School of Medicine – New York University Biological Sciences, Biomedical Sciences

- Ph.D. Thesis candidate committee (Dr. Srivastava)
  - Immunological and Anti-bronchoconstrictive Properties of the Anti-Asthma Formula ASHMI in a Murine Model of Asthma

## 17. PRINCIPAL CLINICAL AND HOSPITAL SERVICE RESPONSIBILITIES

- 1985 Establishment of the Division of Allergy and Immunology at the UMDNJ – New Jersey Medical School.
- 1986 Establishment of Allergy and Immunology Fellowship Program in the Department of Medicine at the UMDNJ - New Jersey Medical School.
- 1987 Establishment of the UMDNJ-Asthma and Allergy Research Center

## 18. MAJOR ADMINISTRATIVE RESPONSIBILITIES

- |           |   |
|-----------|---|
| 1985-2010 | Director, Division of Allergy and Immunology, Department of Medicine  |
| 1986-2010 | Co-Director, Allergy & Immunology Fellowship Program – Department of Medicine and Pediatrics                  |
| 1990-2010 | Co-Director, Immuno-Ophthalmology Service, Departments of Ophthalmology & Medicine, New Jersey Medical School |
| 1992-2010 | Director, Asthma and Allergy Research Center, New Jersey Medical School                                       |
| 1992-1995 | President, UMD-University Hospital Medical Staff, New Jersey Medical School                                   |
| 1993-1995 | Chairman, Medical Executive Committee, UMDNJ-University Hospital  |
| 1993-1995 | Steering Committee, New Jersey Medical School Professional Corporation  |
| 1995-1997 | Acting Medical Director, University HealthCare Corporation, Iselin, New Jersey                                |
| 1996-2000 | President, University Physician Associates, Inc. (New Jersey Medical School Faculty Practice Company)         |
| 1996-2000 | Board Member, NJMed, P.C. (New Jersey Medical School Group Practice)  |
| 1995-1997 | Past - President, Medical Executive Committee, UMD-University Hospital  |
| 2001-2003 | Executive Committee, NJ Med, P.C. (New Jersey Medical School Group Practice)                                  |

## 19. PRIVATE PRACTICE: 400 Mountain Avenue, Springfield, New Jersey 07081-2515; (973) 912-9817

## 20. ARTICLES

1. **Bielory L:** Hypersensitivity pneumonitis: Occupational Exposure to *Sitophilus granarius* and *Thermoactinomyces vulgaris*. Md State Med. J. 1982; 31 (12): 25-26.
2. Greco B, **Bielory L**, Stephany D, Hsu SM, Nienhuis AW, Young NS: Antithymocyte globulin reacts with many normal cell types. Blood. 1983; 62 (5): 1047-1054.

3. Lawley TJ, **Bielory L**, Gascon P, Yancey KB, Young NS, Frank MM: A prospective clinical and immunologic analysis of patients with serum sickness. N. Engl. J. Med. 1984; 311: 1407-1413.
4. Lawley TJ, **Bielory L**, Gascon P, Yancey KB, Young NS, Frank MM: Human Serum Sickness. Trans. Assoc. Am. Physicians 1984; 97: 49-55
5. **Bielory L**, Yancey KB, Young NS, Frank MM, Lawley TJ: Cutaneous manifestations of serum sickness in patients receiving antithymocyte globulin. J. Amer. Academy. Dermatol. 1985; 13 (3): 411-417.
6. Lawley TJ, **Bielory L**, Gascon P, Yancey KB, Young NS, Frank MM: A study of human serum sickness. J. Invest. Dermatol. 1985; 85: 129s-132s.
7. Lawley TJ, **Bielory L**, Yancey KB, Young NS, Gascon P, Frank MM: Serum sickness (letter). N Engl J Med 1985; 312: 1327-1328.
8. Reinig JW, Simmons JT, **Bielory L**, Lewellan CW: Multiple lung perfusion defects in a patient with Takayasu's arteritis. J. Clin. Nuc. Med. 1985; 10: 893-894.
9. **Bielory L**: Aplastic anemia: Case management. Consultant. 1985; 25: 92-102.
10. **Bielory L**: Serum sickness; Case management. Consultant. 1986; 26: 122-129.
11. **Bielory L**, Gascon P, Lawley T, Nienhuis AW, Frank MM, Young NS: Serum sickness and haematopoietic recovery with antithymocyte globulin in bone marrow failure patients . Brit. J. Haematol. 1986; 63 (4): 729-736.
12. **Bielory L**, Gascon P: Bone marrow failure: Immunological implications and treatment modalities. Ann. Allergy. 1986; 56 (2): 114-116, 123-125.
13. Platanais L, Gascon P, **Bielory L**, Zoumbos N, Young N. Lymphocyte phenotype and lymphokines following anti-thymocyte globulin therapy in patients with aplastic anaemia. Brit. J. Haematol. 1987; 66: 437-443.
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17. **Bielory L**, Gascon P, Lawley TJ, Young NS, Frank MM (1988): Human serum sickness: A prospective clinical, immunological and immunopathological analysis of 35 patients treated with antithymocyte globulin. Medicine.; 67 (1): 40-57.
18. **Bielory L**, Wright R, Young NS, Kaliner M. Antithymocyte globulin hypersensitivity in bone marrow failure patients. J. Amer Med. Assoc. 1988; 260: 3164-3167.
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28. Lucca JA, Linsy Farris R, **Bielory L**, Caputo AR. Keratoconjunctivitis Sicca (KCS) in Acquired Immunodeficiency Syndrome. Ophthalmology 1990; 97 (8): 1008-1010.
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62. **Bielory L**, Basile F, Palmisano M, Oppenheimer J, Orenstein M. Chronic diarrhea and pneumonia. Ann Allergy Asthma Immunol. 1997; 78 (4): 339-344
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## 22. ABSTRACTS

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## 24. REPORTS

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2. Review of Technical Development of a Biological Immunomodulatory Agent - Antithymocyte Globulin - Upjohn Co., Kalamazoo, Michigan, 1989

3. Approved Guidelines - "The Role of Training Programs in Dealing with Controversial Practices in Allergy and Immunology" - permanent reference document of the American Academy of Allergy and Immunology, 611 East Wells Street, Milwaukee, Wisconsin, 53203, April 1992
4. "Allergic Disorders of the Eye". Pfizer Monograph Roundtable, Vail, Colorado 1993
5. "Allergic Rhinitis Epidemiology: Issues and Trends". Treatment of Seasonal Allergic Rhinitis with Azelastine (Astelin), Proceedings of Consensus Conference, Denver, Colorado 1996
6. "Diagnosis and Management of Ocular Allergy". Proceedings of Special Clinical Conference from the American College of Allergy, Asthma & Immunology, San Diego, California, 1997
7. New Jersey Asthma Network, New Jersey Department of Health and Senior Services - Office of Minority Health, Trenton, New Jersey, 1999
8. Clean Air Council Annual Report, New Jersey Department of Health and Senior Services, Trenton, New Jersey, 2005
9. Clean Air Council Annual Report, New Jersey Department of Health and Senior Services, Trenton, New Jersey, 2006
10. **Bielory, L.**, et al., *Concerns about intranasal corticosteroids for over-the-counter use: position statement of the Joint Task Force for the American Academy of Allergy, Asthma and Immunology and the American College of Allergy, Asthma and Immunology*. Ann Allergy Asthma Immunol, 2006. **96**(4): p. 514-25.

## 25. PATENTS, TRADEMARKS, COPYRIGHTS HELD

- **Accupollen™** - Pollen Modeling for regions that includes weather and aerobiological parameters @ September 2002 transferred to UMDNJ
- **Ocular Allergy Update** @ CD ROM educational program providing CME credit Ø November 2002
- **Ocular Allergy Update** @ CD ROM educational program providing CME credit – May 2005
- **Sinusol™** nasal sinus solution - November 2009

## Appendix I

### Invited Speaker at International (National) Meetings Within the Last Ten Years

- "Alternative Interventions in Asthma and Allergies", American Academy of Allergy, Asthma and Immunology Annual Meeting, San Diego, California, March 2000
- "Ocular Allergy; Therapeutic Update", American Academy of Allergy, Asthma and Immunology Annual Meeting, San Diego, California, March 2000
- William Pierson Visiting professorship for the Primary Care Training Program sponsored by the American Academy of Allergy, Asthma and Immunology; Wyckoff Heights Medical Center, Brooklyn, New York, May 2000
- Complementary Treatment in Asthma and Allergy, Temple University School of Medicine Philadelphia, Pa., September 2000
- Complementary Medical Interventions in Asthma and Allergy Buffalo Allergy Society & SUNY Buffalo; Elliot Middleton Visiting Professorship and Lecture, Buffalo, New York, October 2000
- Advances in Ocular Allergy Treatment, American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, Louisiana, March 2001
- Advances in Ocular Allergy Treatment, Virginia Society of Ophthalmology, Tysons Corner, Virginia, March 2001
- Asthma: Problem Based Learning, New York Fingerlakes Region Asthma & Allergy Update , Binghamton, New York April, 2001
- Occupational Asthma, New York Fingerlakes Region Asthma & Allergy Update , Binghamton, New York, April 2001
- Asthma and Allergies, St. Claire's Medical Center, Schenectady, New York, April 2001,
- Complementary Medicine: Actions and Interactions, UMDNJ School of Allied Health, Scotch Plains, New Jersey, April 2001
- Complementary Treatment in Asthma and Allergy, Colorado Allergy Society, Denver, Colorado, April 2001

- Ocular Allergy, National Jewish Center for Allergy, Asthma and Immunology, University of Colorado School of Medicine, Denver, Colorado, April 2001
- Ocular Immunology, American Academy of Allergy, Asthma and Immunology Recertification Course, Chicago, Illinois, June 2001
- Effects of Steroids on the Eye, American Academy of Allergy, Asthma and Immunology Annual Meeting, New York City, March 2002
- Ocular Allergy, American Academy of Allergy, Asthma and Immunology Annual Meeting, New York City, March 2002
- Complementary Treatment in Asthma and Allergy, American Academy of Allergy, Asthma and Immunology Annual Meeting, New York City, March 2002
- Management and Treatment of Ocular Allergy, Louisiana State Allergy Association, New Orleans, Louisiana, June 2002
- Ocular Allergy, Intermountain West Allergy Association Annual Scientific Session, Park City, Utah, July 2002 (15 CME 1)
- Herbal Interventions in Asthma and Allergy, Intermountain West Allergy Association Annual Scientific Session, Park City, Utah, July 2002
- International Symposium on Complementary and Alternative Interventions in Allergy, Asthma and Immunology, Moderator and Presenter, Herbal Interventions in Asthma and Allergy, American College of Allergy, Asthma and Immunology, San Antonio, Texas, November 2002
- Differential Diagnosis of Allergic Reactions, Current Trends in Allergic Reactions, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, February 2003 (15 CME 1)
- American Academy of Allergy, Asthma and Immunology 60<sup>th</sup> Annual Meeting, Denver, Colorado, March 2003 (14 CME 1)
- Risk Management Strategies for the 21<sup>st</sup> Century: Back to Basics: Improving Communication Skills, Woodbridge, New Jersey, March 2003 (5 CME 1)
- Periorbital Inflammatory Disorders, American Academy of Allergy, Asthma and Immunology Annual Meeting, Moderator and Presenter, Denver, Colorado, March 2003
- Complementary Medicine in the Treatment of Allergy and Immunology, Aspen Allergy Conference, Aspen, Colorado, July 2003
- Ocular Allergy Update, Upstate Allergy and Immunology Society, Rochester, New York
- Ocular Immunology, Western Allergy and Immunology Society Meeting, Hawaii, February 2004
- Management and Treatment of Ocular Allergy, American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, California, March 2004
- Complementary Medicine in the Treatment of Allergy and Immunology, University of Michigan, Ann Arbor, Michigan, April 2004
- Complementary Medicine in the Treatment of Allergy and Immunology, New England Allergy, Asthma and Immunology Society, Newport, R.I., October 2004
- Ocular Allergy, New England Allergy, Asthma and Immunology Society, Newport, R.I., October 2004
- Complementary Medicine in the Treatment of Allergy and Immunology, American College of Allergy, Asthma and Immunology Plenary Session, Boston, Mass., November 2004
- Ocular Allergy, Ohio Allergy, Asthma and Immunology Society, Dayton, Ohio, January 2005
- Complementary Medicine in the Treatment of Allergy and Immunology, American Academy of Allergy, Asthma and Immunology Allied Health Professionals Plenary Session, San Antonio, Texas, March 2005
- Ocular Allergy Workshop, American Academy of Allergy, Asthma and Immunology, San Antonio, Texas, March 2005
- Immunodermatology, Allergy, Asthma and Immunology Symposium, Lutheran Hospital, Brooklyn, New York, May 2005
- Ocular Allergy, Allergy, Asthma and Immunology Symposium, Lutheran Hospital, Brooklyn, New York, May 2005
- Ocular Allergy 2005 Update, Albany Allergy, Asthma and Immunology Society, Ballston Spa, N.Y., May 2005
- Oculodermatologic Disorders: Similarities and Differences, California Society of Allergy, Asthma and Immunology, Huntington, Beach, California, July 2006

- Complementary and Alternative Medicine in Asthma, Asthma and Immunology: For the Practicing Allergist, California Society of Allergy, Asthma and Immunology, Huntington, Beach, California, July 2006
- XVII International Meeting of the Institute of Asthma, Allergy and Immunology, Buenos Aires, Argentina, May 2007
- Monmouth Medical Center Medical Grand Rounds, One Airway - One Disease, Long Branch, New Jersey, November 2007
- Complementary Medicine in the Treatment of Allergy and Immunology, American College of Allergy, Asthma and Immunology Dallas, Texas, November 2007
- World Allergy Organization, Ocular Allergy Treatment, December 2007
- U.S. - Indo Summit - Asthma and Allergy in India, December 2007
- Tucson Allergy Society, Chirality in Medicine, Tucson, Arizona, January 2008
- AAAAI, Ocular Allergy (2 lectures), Philadelphia, Pa. March 2008
- Ohio Allergy Society, Ocular Allergy, Columbus, Ohio, April 2008
- U.S. Environmental Protection Agency, Climate Change and Allergic Airway Disease, Raleigh-Durham, North Carolina, September 2009
- Intranasal Steroids Treatment Summit, Impact on the Eye, Prague, Czechoslovakia, January 2010
- European College of Allergy, Asthma and Clinical Immunology, Intranasal Steroids, London, United Kingdom, June 2010
- Illinois Allergy Society Annual Meeting, Ocular Allergy, Chicago, Illinois, October 2010
- University of Miami Medical School, Bascom Palmer Eye Institute, El Curso, A Focus on Eye Allergy Allergy from the Allergists Peerspective, October 2010
- Canadian Society of Allergy, Asthma and Clinical Immunology, Complementary and Alternative Medicine in Allergy and Immunology, Vancouver, British, Columbia, November 2010
- American College of Allergy, Asthma and Immunology, Plenary, Session, Update on Ocular Allergy Treatment, Phoenix, Arizona, November 2010
- American College of Allergy, Asthma and Immunology, Allergic Conjunctivitis Practice Parameter, Phoenix, Arizona, November 2010
- Hawaiian Eye Conference, Ocular Allergy and the Anterior Surface, Maui, Hawaii, January 2011
- American Academy of Allergy, Asthma, and Immunology, Ocular Allergy Treatment Paradigm, San Francisco, California, March 2011
- American Academy of Allergy, Asthma, and Immunology, Complementary Medicine Pro-Con Debate, San Francisco, California, March 2011
- National University of Singapore – Womens and Childrens Hospital, Allergy and Immunology Update - “One Airway –One Disease”, Singapore, Malaysia, April 2011
- 14th Asean Paediatric Congress Annual Meeting, Allergies in Children Symposium, The Future of Allergic Diseases in Children, Singapore, Malaysia, April 2011
- 3rd Asian Paediatric Otolaryngology Annual Meeting, Nonnasal The Non-Nasal Burden of Allergic Rhinitis, Singapore, Malaysia, April 2011
- World Allergy Conference, Complementary Medicine, Cancun, Mexico, December 2011
- World Allergy Conference, Ocular Allergy, Cancun, Mexico, December 2011
- Preparing New Jersey for Climate Change: A Workshop for Decision Makers, Rutgers University, November 2011
- Kansas City Allergy, Asthma and Immunology Society, “Ocular Allergy Diagnosis and Management” June
- California Allergy, Asthma and Immunology Society – “A Midsummer Night Wheeze”, San Francisco, California, July 2012 - Ocular Allergy
- New Jersey Allergy, Asthma & Immunology Society Annual teaching day – “Pearls for the Allergist” – October 2012 – Ocular Allergy – Clinical Cases
- American College of Allergy, Asthma and Immunology, Anaheim, California – “Epithelial Barrier in Allergic Disease”, November 2012
- Pediatric Society of Puerto Rico 60th Annual Congress – “Climate Change and Allergic Disease”, San Juan, Puerto Rico, February 14-17, 2013
- Pediatric Society of Puerto Rico 60th Annual Congress – “One Airway- One Disease”, San Juan, Puerto Rico, February 14-17, 2013
- American Academy of Allergy, Asthma and Immunology – “Difficult Cases – Ocular Allergy”, San Antonio, Texas, February 22, 2013

- American Academy of Allergy, Asthma and Immunology – “Overview of Ocular Allergy: Pathophysiology and Treatment Options”, San Antonio, Texas, February 22, 2013

## **Appendix II**

### **Special Education**

ToxRAP Project - Environmental education program for K-12 in conjunction with the UMDNJ - EOHSI and the UMDNJ- Robert Wood Johnson Medical School

## **Appendix III**

### **Continuing Medical Education**

- 1988- Organized a day long course titled "Immunology Today: A course for the Practicing Physician" with over 100 attendees. Speakers included those with international prominence e.g. from the National Institutes of Health.
- 1990- Organized a two day symposium titled "Immunologic Disorders of the Visual System" in conjunction with the Department of Ophthalmology. There were over 100 participants from the United States with nationally recognized experts in Neurology, Ophthalmology and Immunology.
- 1990- Participation in the American College of Physicians Medical Knowledge Self Assessment Program (MKSAP) Allergy and Immunology Subcommittee for release in 1993.
- 1991- Organized a day long symposium titled "Immunosuppression and the Role of Cyclosporine in Patient Management" with over 70 attendees.
- 1992- Organized a workshop at the annual meeting of the American Academy of Allergy and Immunology titled "Allergic and Immunologic Disorders of the Eye" with over 35 attendees and received an excellent rating in educational content and clinical usefulness.
- 1994- Participation in the American College of Physicians Medical Knowledge Self Assessment Program (MKSAP) Allergy and Immunology Subcommittee for release in 1996.
- 1995- Organized a statewide meeting for asthma subspecialists in New Jersey "Asthma Quality Improvement: Therapeutic Advances".
- 1996- Development of a special issue of New Jersey Medicine (March 1996), the state medical journal, dedicated to the topic of asthma.
- 1996- Moderator “New Directions in the Management of Asthma and Allergy”. University of Wisconsin Continuing Medical Education Program . Parsippany, New Jersey.
- 1996- Program Chairman, “Managed Asthma Care ”. PriMed Meeting, UMDNJ Continuing Medical Education Program. Chicago, Illinois.
- 1996- Program Chairman, “Managed Asthma Care ”. PriMed Meeting, UMDNJ Continuing Medical Education Program. Boston, Mass.
- - Electronic Medical record Keeping, Professional Workshop, AAAAI 54th Annual Meeting, Washington, D.C.
- - Moderator, An Ophthalmologist Approach to the Treatment of Allergic Conjunctivitis, AAAAI 54th Annual Meeting, Washington, D.C.
- – Moderator, “Immunomodulation for the 21<sup>st</sup> Century”, AAAAI 55<sup>th</sup> Annual Meeting Plenary Session, Orlando Florida
- - Moderator, “Ocular Allergy: Diagnosis and Management”, AAAAI 55th Annual Meeting, Orlando Florida
- – Lecturer, “Sneeze, Wheeze and Itch”, MiniMed School 2000, UMDNJ-New Jersey Medical School
- – Moderator, “Ocular Allergy: Therapeutic Update”, AAAAI Annual Meeting, New Orleans, Louisiana
- – Moderator, Complementary and Alternative Medicine for upcoming Annual Meeting, New Orleans, Louisiana
- - Herbal Interventions in Asthma and Allergy, Holy Name Hospital Allergy and Asthma Program, Teaneck, New Jersey, May 2002
- - Ocular Allergy: Diagnosis and Management, Holy Name Hospital Allergy and Asthma Program, Teaneck, New Jersey, May 2002
- - Management and Treatment Ocular Allergy, Louisiana Society of Allergy, Asthma and Immunology, New Orleans, Louisiana

- 2002 - American College of Allergy, Asthma and Immunology, San Antonio, Texas
- – Committee Member & speaker - Current Trends in Allergic Reactions, NIH, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland
- – Speaker - Dermatologic Manifestations of Ocular Disorders, American Academy of Allergy, Asthma and Immunology Annual Meeting, Denver, Colorado
- – Update on Allergic Rhinconjunctivitis, Holy Name Hospital Allergy and Asthma Program, Teaneck, New Jersey, April 2003
- – Speaker – Complementary and Alternative Medicine in Allergy, Asthma and Immunology, Aspen Allergy Conference, Aspen, Colorado, July 2003
- 2003-2004 Ocular Allergy Update CME Program (CD Rom enduring material) accredited through UMDNJ – CCOE
- 2005-2006 Ocular Allergy Update CME Program (CD Rom enduring material) accredited through UMDNJ – CCOE
- Web based CME program for Radiation Exposure accredited through UMDNJ – CCOE (2005 –2007)

## Appendix IV

### Meetings

- Sept. 1982 - National Institutes of Health - Foundation for Advanced Education of the Sciences - Internal Medicine Review, Bethesda, Maryland
- Feb. 1983 - National Institutes of Health - Foundation for Advanced Education of the Sciences - Allergy and Immunology Review, Bethesda, Maryland
- Oct. 1983 - Georgetown University School of Medicine - Immunochemotherapy: Recent Advances in Intravenous IgG Therapy, Bethesda, Maryland
- Nov. 1983 - Airlie House International Conference on Aplastic Anemia, Warren town, Virginia
- Nov. 1983 - American Society of Hematology, 25th Annual Meeting, San Francisco, California
- March 1984 - National Academy of Sciences - Symposium on Allergies to Animals in the Home and Workplace: Prevention, Diagnosis and Management, Washington, D.C.
- March 1984 - American Academy of Allergy & Immunology - 40th Annual Meeting, Chicago, Illinois
- June 1984 - Pennsylvania Allergy Association - 36th Annual Meeting Hershey, Pennsylvania
- August 1984 - American College of Physicians - Review of Internal Medicine, New York, New York
- Feb. 1985 - American College of Allergists - 41st Annual Meeting, Bal Harbor, Florida
- Feb. 1985 - National Institutes of Health - Foundation for Advanced Education of the Sciences - Allergy and Immunology Review, Bethesda, Maryland
- March 1985 - National Academy of Sciences - Symposium on Childhood Immunodeficiencies, Washington, D.C.
- March 1985 - American Academy of Allergy and Immunology - 41st Annual Meeting, New York, New York
- March 1985 - American Academy of Allergy and Immunology - Aeroallergen Identification Course, New York Botanical Gardens, Bronx, New York
- May 1985 - National Institutes of Health - Donor Registries for Bone Marrow Trans, Bethesda, MD
- June 1985 - Pennsylvania, Maryland and Virginia Conjoint Allergy Meeting, Williamsburg, Virginia.
- July 1985 - NIH Consensus Development Conference on The Impact of Routine HTLV-III Antibody Testing of Blood and Plasma Donors on Public Health.
- Oct. 1985 - American Academy of Allergy & Immunology: An Intensive Review-Adult and Pediatric Allergy, Boston, Mass.
- March 1986 - New York Med College-3rd Annual Bone Marrow Transplantation Conference. Valhalla, New York.
- March 1986 - American Academy of Allergy & Immunology-Crossed Immuno-electrophoresis Course.
- March 1986 - American Academy of Allergy & Immunology-Spirometry with Application in Challenge Testing Course.
- April 1986 - Univ. of California at LA - Bone Marrow Transplant Symposium: Keystone, Colorado.
- Jan. 1987 - American College of Allergists - 43rd Annual Meeting: Las Vegas, Nevada.
- Nov. 1987 - American College of Allergy and Immunology: 44th Annual Meeting, Boston, Mass.
- Nov. 1987 - Second International Conference on Cyclosporine: Washington, D.C.

- Aug. 1988 - Antithymocyte globulin - critical review. Upjohn Co., Kalamazoo, Michigan.
- January 1989 - American Academy of Allergy and Immunology Fellowship Directors Conference. Saint Louis, Missouri
- Feb. 1989 - American Academy of Allergy and Immunology Meeting San Antonio, Texas
- March 1989 - Neuroendocrine Disorders of the Gastroenteropancreatic System: Clinical Applications of Sandostatin. University of Pittsburgh, Pittsburgh, Pennsylvania
- Oct. 1989 - Management of Allergic Disease During Pregnancy - The NJ Allergy Society. Newark, N.J.
- Oct. 1989 - Recent Advances in Allergy and Clinical Immunology: Looking Towards the Twenty - First Century. Morristown Memorial Hospital, Morristown, New Jersey
- Nov. 1989 - Allergy & Immunology: A New Decade of Challenge. The American College of Allergy and Immunology November 11-15, 1989, Orlando, Florida
- Jan. 1990 - Allergy and Immunology Training Program Directors Meeting, Houston, Texas
- March 1990 - American Academy of Allergy and Immunology, 46th Annual Meeting, 1990 Baltimore, MD
- Oct. 1990 - Third International Colloquium on Progress in Pulmonary Disorders, Florence, Italy
- Oct. 1990 - American Academy of Ophthalmology, Atlanta, Georgia
- Jan. 1991 - Allergy and Immunology Training Program Directors Meeting, Houston, Texas
- Feb. 1991 - North American Neuro-Ophthalmic Society Annual Meeting, Park City, Utah
- March 1991 - American Academy of Allergy and Immunology, 47th Annual Meeting, San Francisco, California
- April 1991 - Eastern Allergy Conference, 4th Annual Meeting, Bermuda
- July 1991 - Nedocromil Symposium on the Treatment of Asthma and Allergic Disorders, Bermuda
- Oct. 1991 - American Academy of Ophthalmology, Anaheim, California
- Jan. 1992 - Allergy and Immunology Training Program Directors Meeting, Atlanta, Georgia
- March 1992 - American Academy of Allergy and Immunology, 48th Annual Meeting, Orlando, Florida
- August 1992 - Second International Symposium on Ocular Inflammation, Jerusalem, Israel
- Nov. 1992 - American College of Allergy and Immunology, 49th Annual Meeting, Chicago, Illinois
- Oct. 1992 - American Academy of Ophthalmology, Anaheim, California
- March 1993 - American Academy of Allergy and Immunology, 49th Annual Meeting, Chicago, Illinois
- Nov. 1993 - American College of Allergy and Immunology, 50th Annual Meeting, Atlanta, Georgia
- Nov. 1993 - American Academy of Ophthalmology, Chicago, Illinois
- March 1994 - American Academy of Allergy and Immunology, 50th Annual Meeting, Anaheim, California Meeting, New York
- March 1995 - American Academy of Asthma, Allergy and Immunology Annual Meeting, New York
- July 1995 - "Asthma 95" - American Academy of Asthma, Allergy and Immunology Annual Meeting and American Thoracic Society, Chicago
- Nov 1995 - American College of Allergy, Asthma and Immunology Annual Meeting, Dallas, Texas
- January 1996 - Masters of Pediatrics, University of Miami School of Medicine, Miami Beach, Florida
- March 1996 - American Academy of Asthma, Allergy and Immunology Annual Meeting, New Orleans, Louisiana
- May 1996 - IBM Business College, Mobile Health Care Solutions, Palisades, New York
- Feb. 1997 - American Academy of Allergy, Asthma & Immunology conjoint annual meeting with American Association of Immunologists and the Clinical Immunology Society, San Francisco, California
- June 1998 - Harvard School of Public Health, Measurement Design & Analysis Methods for Health Outcomes Research, Boston, Mass.
- July 1998 - Harvard Business School, Leading Program Development, Boston, Mass.
- Oct 1998 - American College of Allergy, Asthma and Immunology Annual Meeting, Philadelphia, Pa.
- Dec 1998 - Harvard Business School, Contract Negotiations, Boston, Mass.
- March 1999 - American Academy of Asthma, Allergy and Immunology Annual Meeting, Orlando, Florida
- Dec. 1999 - Harvard Business School, Making Corporate Boards More Effective, Boston, Mass.
- Nov 1999 - American College of Allergy, Asthma and Immunology Annual Meeting, Chicago, Illinois
- March 2000 - American Academy of Asthma, Allergy and Immunology Annual Meeting, San Diego, California
- Nov 2000 - American College of Allergy, Asthma and Immunology Annual Meeting, Seattle, Washington
- March 2001 - American Academy of Asthma, Allergy and Immunology Annual Meeting, New Orleans, Louisiana
- Nov 2001 - American College of Allergy, Asthma and Immunology Annual Meeting, Orlando, Florida

- March 2002 - American Academy of Allergy, Asthma and Immunology Annual Meeting, New York City
- June 2002 – Louisiana State Allergy, Asthma Society, New Orleans, Louisiana
- June 2002 - Intermountain Western Allergy Association, Park City, Utah
- Nov 2002 - American College of Allergy, Asthma and Immunology Annual Meeting, San Antonio, Texas
- Feb 2003 - Current Trends in Allergic Reactions, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland
- March 2003 - American Academy of Allergy, Asthma and Immunology Annual Meeting, Denver, Colorado
- July 2003 - Aspen Allergy Conference, Aspen, Colorado, July 2003
- March 2004 – Scholarship of Teaching and Learning: Master Educator’s Guild, UMDNJ, Piscataway , New Jersey
- Nov 2005-American College of Allergy, Asthma and Immunology Annual Meeting,
- March 2006 - American Academy of Allergy, Asthma and Immunology Annual Meeting,
- Nov 2006-American College of Allergy, Asthma and Immunology Annual Meeting, Philadelphia, Pa.
- March 2007 - American Academy of Allergy, Asthma and Immunology Annual Meeting, San Diego, Ca.
- June 2007 - European Academy of Allergy and Clinical Immunology, Gotenberg, Sweden
- Nov 2007-American College of Allergy, Asthma and Immunology Annual Meeting, Dallas, Texas
- December 2008 - World Allergy Congress, Bangkok, Thailand
- December 2007- U.S. - Indo Summit, New delhi, India
- January 2008 - Southwest Allergy Forum, Puerta Vallarata, Mexico
- March 2008 - American Academy of Allergy, Asthma and Immunology Annual Meeting, Philadelphia, Pa.
- June 2008 - World Ophthalmology Congress, Hong Kong, China
- March 2009 - American Academy of Allergy, Asthma and Immunology Annual Meeting, Washington, D.C.
- May 2009 – Association for Research of Vision and Ophthalmology , Fort Lauderdale, Florida
- June 2009, European College of Allergy, Asthma and Clinical Immunology, Warsaw, Poland
- November 2009 - American College of Allergy, Asthma and Immunology Annual Meeting, Miami beach, Florida
- March 2009 - American Academy of Allergy, Asthma and Immunology Annual Meeting, Washington, D.C.
- June 2010, European College of Allergy, Asthma and Clinical Immunology, London, United Kingdom
- November 2010 - American College of Allergy, Asthma and Immunology Annual Meeting, Phoenix, Arizona
- January 2011 - Hawaian Eye, Oahu, Hawaii
- March 2011 - American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, California
- April 2011 - South East Asian Pediatric Conference, Singapore
- March 2012 – American Academy of Allergy, Asthma and Immunology Annual Meeting
- June 2012 - California Allergy, Asthma and Immunology Society
- May 2012 -Asociation for Research and Vision and Ophthalmology Annual Meeting
- June 2012 California Allergy, Asthma and Immunology Society
- October 2012 - New Jersey Allergy, Asthma & Immunology Society Annual teaching day – “Pearls for the Allergist”
- November 2012 – American College of Allergy, Asthma and Immunology
- February 2013 – American Academy of Allergy , Asthma and Immunology

## Appendix V

### CME

Title	Category/ Date	Amount	Sponsor
Infectious Diseases Grand Rounds	1 / June 2006	1	UMDNJ CCOE
Pennsylvania Allergy Society	1 / June 2006	3.25	PA Med Society
AAAAI Board Review	1 / April 2006	26.50	AAAAI



AAAAI Manuscript Review	1/ March 2006	9	AAAAI
ACAAI Health Provider	1/ November 2006	8.6	ACAAI
ACAAI Annual Meeting	1/November 2006	26	ACAAI
AAAAI Annual Meeting	1/ March 2007	22	AAAAI
ABAI Board Review Course	1/ April 2007	10	ACAAI AAAAI
Dept of Medicine Grand Rounds	1/Augut 2007	17	UMDNJ
Europn Acad of Allergology& Clin Immunology	1/June 2007	12	EACCME
Allergy, Immunology and Rheumatology Grand Rounds	1/July 2007	12	UMDNJ
Department of Medicine CPC	1/August 2007	9	UMDNJ
ACAAI Annual Meeting	Nov 1, 2007	19.50	ACAAI
JACI review	Dec 4, 2007	3.00	AAAAI
Allergy, Immunology and Rheumatology Grand Rounds	July 30, 2007 – June 30, 2008	18.0	UMDNJ/CCOE
Travel Medicine	Jan 8, 2008	9.00	AHC Media LLC
SouthWest Allergy Forum	Jan 16-20, 2008	20.50	AAAAI
Sublingual Immunotherapy	Jan. 18, 2008	1.00	Med Ed Coll
AAAAI Annual Meeting	Mar 12, 2008	26.00	AAAAI
Compliance SBMC	Apr 15, 2008	2.00	SBMC
Allergy, Immunology and Rheumatology Grand Rounds	October 10, 2008	27	UMDNJ/CCOE
ACAAI 2008 Annual Conference	November 7-11, 2008	24.75	UMDNJ/CCOE
ACAAI-IAACI joint Conference	December 3-6, 2008	14	ACAAI
AAAAI 2009 Annual Conference	March 13-17, 2009	11.5	AAAAI
AAAAI JACI reviews	May-Decmeber 2008	12	AAAAI
Cultural Comptetent Care	May 13, 2009	6	Cine-Med (US HHS)
Oral Sublingual therapy for Allergic Rhinitis	May 21, 2009	1	ACAAI
ARVO Annual Meeting	May 3-7, 2009	5.5	ARVO
EAACI Congrees Meeting Warsaw	June 6-10, 2009	12	AMA
Pennsylvania Allergy Society	June 26-28, 20009	9	Pennsylvania Medical Society
Cultural Competency	June 30, 2009	4	UMDNJ/CCOE
Medicine & Allergy Grand Rounds	7/1/8 – 6/30/9	13	UMDNJ/CCOE
Hereditary Angioedema	September 1, 2009	0.5	CME University
Hereditary Angioedema Emerging Treatment Strategies	September 13, 2009	1.0	Elsevier Office of CME
ACAAI Annual Meeting	November 5-10, 2009	12	ACAAI
ACAAI Allied Health Review	November 6-8, 2009	11.8	ACAAI

AAAAI Manuscript Review	December 16, 2009	6	AAAAI
ACAAI NJ Allergy Asthma Immunology Society – Coding Review	January 8, 2010	3.5	ACAAI
AAAAI Manuscript Review	January 19, 2010	3	ACAAI
ACAAI Vaccinations Where are we now?	April 13, 2010	1.0	ACAAI
European Allergy, Asthma and Clinical Immunology Meeting	June 7 -8, 2010	6	EAACI
Canadian Society of Allergy and Clinical Immunology Meeting	November 5-6, 2010	8	AMA
ACAAI Annual Meeting	November 12-15, 2010	24	ACAAI
Hawaiian Eye Conference	January 16-21, 2011	8	Slack
Long Island Allergy Society	January 26, 2011	1.5	ACAAI
AAAAI Annual Meeting	March 18-22, 2011	16	AAAAI
South East Asian Pediatric Conference	April 14-17, 2011	3.5	3.5 hours of lecture
Association for Research and Vision and Ophthalmology	May 1-2, 2011	6	ARVO
ACAAI Annual Meeting	November 2-7, 2011	18	ACAAI
Cases in Atopic Dermatitis	January 3, 2012	1	Medscape
Rash, Pain, and Dyspnea Progressing to Respiratory Failure	January 3, 2012	.5	Medscape
What Increased Risks Occur With Inhaled Steroid Use During Pregnancy?	January 3, 2012	0.25	Medscape
2012 Greater Kansas City Allergy Society Annual Symposium	January 28, 2012	4	Children's Mercy Hospital
2012 AAAAI Problem Based Learning	March 2, 2012	3.75	AAAAI
2012 AAAAI Annual Meeting	March 3-4, 2012	11.25	AAAAI
2012 Association for Research and Vision and Ophthalmology Annual Meeting	May 5-6, 2012	6	ARVO
2012 California Allergy, Asthma and Immunology Society	June 6, 2012	9.5	Keck School of Medicine
2012 New Jersey Allergy, Asthma & Immunology Society Annual teaching day – “Pearls for the Allergist”	October 19, 2012	6	Barnabas Health Care System
2012 American College of Allergy, Asthma and Immunology	November 8-13, 2012	11.50	ACAAI
Total		578.65	