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Current Professional Positions

2022- pres	Joint Task Force on Practice Parameters, Allergen Immunotherapy 4 th Update, Member
2021- pres	Adjunct Professor of Medicine & Pediatrics, Uniformed Services University of the Health Sciences
2020- pres	Chief, Asthma, Allergy & Immunology Division, Department of Medicine, UVA School of Medicine
2020- pres	Andrew D. Hart Professor of Medicine, UVA School of Medicine
2020- pres	American Board of Medical Specialties, Board of Directors & Executive Committee Member
2020- pres	Temporary Voting Member, FDA Vaccines & Related Biological Products Advisory Committee
2019- pres	President, American Board of Allergy and Immunology

Select Previous Professional Positions

2014- 2021	Professor of Medicine & Pediatrics, Uniformed Services University of the Health Sciences
2018- 2019	Vision for the Future of Continuing Certification (ABMS), Commission Member
2017- 2019	Chief Consultant to the U.S. Army Surgeon General
2017- 2019	Chief, Clinical Policy and Services, Healthcare Delivery Directorate, U.S. Army Medical Command
2016- 2019	American Medical Association, U.S. Army Delegate to the House of Delegates
2015- 2020	Co-chair, Allergy-Immunology Division, Department of Medicine, Uniformed Services University
2015- 2017	Director, Medical Education Directorate & GME, U.S. Army Office of the Surgeon General
2012- 2017	Chair, Food & Drug Administration Allergenic Products Advisory Committee
2012- 2015	Deputy Commander/Director for Education Training and Research, WRNMMC
2011- 2019	ACGME Allergy-Immunology Milestone Projects 1.0 (Chair) & 2.0
2010- 2016	American Board of Allergy-Immunology, Treasurer (2012), Liaison to ABIM (2013-2016)
2010- 2016	ACGME Allergy-Immunology Residency Review Committee, Vice Chair (2012)
2008- 2012	Chief, Allergy-Immunology-Immunizations Division, WRAMC/NNMC/WRNMMC
2003- 2017	Program Director, National Capital Consortium Diagnostic Laboratory/Immunology Fellowship
2002- 2011	Director, U.S. Centralized Allergen Extract Laboratory
2008- 2015	Allergy-Immunology Consultant to the U.S. Army Surgeon General
2007- 2014	Program Director, National Capital Consortium Allergy-Immunology Fellowship, WRAMC/WRNMMC
2008- 2010	Chief, Department Allergy-Immunology, WRAMC
2009	Officer in Charge, Medical Clinic, Deployed location in Iraq
2002- 2008	Chief, Clinical Laboratory Immunology Service, Allergy-Immunology Department, WRAMC
2005- 2008	Allergy-Immunology Co-consultant to the U.S. Army Surgeon General
2005- 2007	Associate Program Director, National Capital Consortium Allergy-Immunology Fellowship at WRAMC
1999- 2014	Assistant Professor (99-07), Associate Professor (07-14) Department of Medicine & Pediatrics, USUHS
1994- 2010	Transfiguration Episcopal Church, Vestry & commission chair positions (Stewardship, Parish Care)
2004- 2006:	Chairperson, Insect Allergy Committee, American Academy of Allergy, Asthma and Immunology
2003- 2015	Member, National Capital Consortium Graduate Medical Education Committee
2003- 2004:	Chairperson, Military Committee, American Academy of Allergy, Asthma and Immunology
2003- 2004:	Chairperson, Association of Uniformed Services Allergists-Immunologists
1999- 2002:	Chief, Allergy and Immunology Clinic Services, Walter Reed Army Medical Center, Washington D.C.
1998- 1999:	Instructor, Medicine & Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD

Select Honors/Awards

2024	Walter Reed Distinguished Achievement Award, University of Virginia
2022	Excellence in Mentorship, Department of Medicine, UVA School of Medicine
2020	Distinguished Fellow, American College of Allergy, Asthma and Immunology
2019	Bela Schick Lecturer Awardee, American College of Allergy, Asthma and Immunology
2019	Distinguished Service Award, American Board of Medical Specialties
2019	Legion of Merit Medal & retirement from U.S. Army Medical Corps (~25 years of Active Duty Service)
2015	Defense Superior Service Medal
2005	Awarded the "A" Designator in recognition of special expertise in the field of Allergy-Immunology
2004	General Claire Chennault Award, Walter Reed Army Medical Center Teacher of the Year
1999	Gen. Graves B. Erskine Award (outstanding graduating fellow), Walter Reed Army Medical Center

Education

Undergraduate:	1981 – 1985: AB (chemistry), Princeton University, Princeton, NJ.
Graduate:	1985 – 1993: MD & PhD (pharmacology), University of Virginia, Charlottesville, VA
	1993 – 1994: Internship (Internal Medicine), University of Virginia, Charlottesville, VA
	1994 – 1996: Internal Medicine Residency, Eisenhower Army Medical Center, Fort Gordon, GA
	1996 – 1998: Allergy/Immunology Fellowship, Walter Reed Army Medical Center, Washington DC
	1998 – 1999: Clinical Laboratory Immunology Fellowship, WRAMC, Washington DC

Areas of Interest

Medical Education and Certification, Leadership, Allergen Immunotherapy and Allergen Extracts, Vaccine Immunology and Adverse Effects, Diversity in Medicine

Board Certification

1999- present	American Board of Allergy & Immunology, Participating in and meeting MOC requirements
1999 - 2009	Clinical Laboratory Immunology (sponsored by the ABAI, Internal Medicine and Pediatrics)
1996	American Board of Internal Medicine

Medical Licensure

1994- present	Virginia
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Professional Societies

1996 – present	American College of Allergy, Asthma and Immunology (ACAAI) - Fellow
1996 – present	American Academy of Asthma, Allergy, and Immunology (AAAAI) – Fellow
1996 – 2020	Association of Uniformed Services Allergists and Immunologists (AUSAI) – chair March 2003-2004
2006 – 2019	American Medical Association (AMA) – intermittent member, U.S. Army Delegate to the House of Delegates 2016-2019
1985 – 1992	Student National Medical Association (SNMA)- member, chapter parliamentarian (1988-89), regional parliamentarian (1989-90)
2002 – present	National Medical Association – intermittent member
1999 – present	Clinical Immunology Society (CIS) – intermittent member

Teaching Activities

2021 – pres	UVA School of Medicine Ambulatory Medicine Asthma, Allergy & Immunology Clinic Preceptor
2021 – pres	UVA School of Medicine, Allergy-Immunology Fellowship Lecturer
2021	UVA School of Medicine, Impact of Racism small group facilitator (MS1, 4hrs)

2021	UVA SOAR program lecturer, Underrepresented Minorities in Allergy-Immunology & academic medicine
2014 – 2017	USUHS Pathology Small Group Instructor
2012	USUHS 3 rd year Internal Medicine Clerkship Preceptor
1998 – 2020	Attending, USUHS Ambulatory Medicine Allergy-Immunology Elective Rotations, intermittent
2008 – 2010	USUHS Introduction to Clinical Medicine III clerkship preceptor (history & physical diagnosis)
2000, 2007	Moderator, Medical Ethics Course, USUHS
2002 & 2003	WRAMC general medicine ward attending

Other Teaching Activities

1998 – 2017	WRAMC/WRNMMC Allergy-Immunology and Clinical Laboratory Immunology Training Programs faculty member or ad hoc lecturer
1998 – 2011	WRAMC/WRNMMC, Allergy-Immunology inpatient consult service staff physician (patient-based instruction for students/residents on allergic & immunologic disease)
1998 – 2011	Preceptor, WRAMC/WRNMMC Pediatric & Internal Medicine Residency Allergy Rotations

Editorial Activities

2021 – present	Reviewer (ad hoc), Journal of Allergy and Clinical Immunology in Practice
2021 – present	Reviewer (ad hoc), Annals of Allergy, Asthma and Immunology
2013 – present	Reviewer (ad hoc), Journal of American Medical Association Internal Medicine
2009 – 2019	Editor, Joint Council of Allergy & Immunology Allergen Extract Preparation Written Examination
1998 – 2020	Reviewer, Project Immune Readiness, Allergy-Immunology web-based continuing education modules
2011 – 2021	Assistant editor, American Journal of Rhinology and Allergy
2005	Reviewer, Vaccine

Other Professional & Service Activities

2022 – present	Moderator, Danish Embassy Dialogue Series on Respiratory Care in the United States
2022	UVA Dermatology Chair Search Committee Member
2021	Chair, UVA Gastroenterology Division Chief Search Committee
2021 – present	American Academy of Allergy, Asthma and Immunology Committee for the Underserved (DEI prior)
2021 – 2023	American Board of Medical Specialties, Diversity Equity & Inclusion Task Force
2002 – present	American Academy of Allergy, Asthma and Immunology Insect Hypersensitivity (now Anaphylaxis) committee member
1999 – 2020	American Academy of Allergy, Asthma and Immunology Military Assembly member
1985 – present	University of Virginia Medical Academic Advancement Program (MAAP), Summer Medical and Dental Education Program (SMDEP) & Summer Medical Leadership Program (SMLP)- student (1985), graduate instructor (1989-91), chief resident advisor (1987-1990), Postbaccalaureate program admissions committee member (1989-1990), annual distinguished lecturer series (1997-present)
2004, 2006	USUHS, Interviewer for Admissions Committee
2004 – 2011	WRAMC, Diagnostic Laboratory Utilization Committee, member
2002 – 2006	Quality Improvement Coordinator, Allergy-Immunology Department, WRAMC
2003 – 2005	WRAMC, Medication Management Committee, member
2002	16 th Annual Military Medicine Conference consultant, USUHS, Bethesda, MD
2000	Speaker, ACAAI Children's Allergy Awareness Program
1999 – 2000	WRAMC, Clinical Investigation Committee, Dept Allergy-Immunology Representative
1988 – 1992	Univ. of Virginia School of Medicine- Admissions Committee member
1988 – 1992	Univ. of Virginia School of Medicine- Academic Advisory Committee member
1986 – 1993	Univ. of Virginia School of Medicine- Basic Sciences tutor
1983 – 1985	Princeton University- Undergraduate Admissions Committee member

Research Activities & Grants

1. Astra Zeneca: D5180C00032-A Multicenter, Single-arm, Open-label, Post-Authorization, Phase 4 Effectiveness and Safety Study of Tezepelumab in Adult and Adolescent Participants with Severe Asthma including Several Under-Studied Populations in the United States (PASSAGE), 8/2/2023- 7/8/2025
2. LPS16676 A Randomized, Double-Blind Placebo controlled study assessing the long term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma. NCT05097287. Site Principal Investigator, 1/1/2022- 6/28/2027.
3. Systemic Allergic Reactions to SARS-CoV-2 Vaccination. NCT04761822 (IND# 27215), Site Principal Investigator, 2/1/2021- 1/31/2022.
4. Walter Reed National Military Medical Center WRNMMC COVID-19 Pandemic Intervention Scientific Review Committee, member and author of provider treatment matrix, 2020.
5. Leadership Academy Hospital Professional Development Application Project. Army Advanced Medical Technology Initiative grant (submitted, not funded), 2015.
6. Phase 1 Trial with challenge to assess the safety and biomarkers of protection in Malaria-naïve adults of immunization via mosquito bite with radiation-attenuated Plasmodium falciparum Sporozoites (IMRAS). Allergy-Immunology Consultant, 2011
7. Eosinophilic gastrointestinal disorders and immunogenetics. Associate investigator. (NIH funded study via Children's Hospital of Philadelphia, Dr. Jonathan Spergel; (site principal investigator, unfunded)
8. Anthrax immunization booster response. Principal Investigator. (grant submission 2012, unfunded)
9. Allergen Extract Preparation, Prescribing Patterns and Automated Prescription Management Tool. Principal Investigator.
10. A Pilot Study: Myopericarditis following smallpox and influenza vaccination. Multicenter, CDC/NIH supported study. \$2M, WRAMC site study coordinator and associate investigator.
11. Clinical study to compare the immune response of half dose trivalent inactivated influenza vaccine (TIV) to full dose (2004-2005). IND # 12019 (MRMC, OTSG). Associate Investigator.
12. Smallpox Vaccine Immune Response in a healthy active duty service member cohort. Collaborative study with the University of Washington. Univ Wash, WRAMC VHC supported. Principal investigator.
13. Molecular and Immunologic Analysis of Anthrax Vaccine Immune Responses in the Context of Adverse Events. Associate investigator.
14. Use of Quantiferon® ELISA based assay in the assessment of equivocal responders to PPD intradermal testing. Principal investigator.
15. Safety and immunogenicity evaluation of an intranasal recombinant flagellin subunit Campylobacter vaccine (rfla-MBP) in volunteers (NMRC# 63002A.810.0.A0007). Associate investigator on NMRC sponsored study.
16. Safety and Immunogenicity Study of an Intranasal Shigella flexneri 2a Invaplex 50 Vaccine. Associate investigator on NMRC sponsored study. (IND# 11615)
17. Association of pemphigus vulgaris and anthrax vaccination. Associate investigator.
18. VAERS knowledge, attitudes and beliefs. Multicenter questionnaire based study.
19. Cellular immune response to anthrax vaccination. Associate investigator.

20. Multicenter validation study for anthrax protective antigen ELISA assay developed by the CDC. WRAMC site coordinator. Completed.
21. Multicenter efficacy and safety study of C1 Inhibitor Concentrate use in patients with hereditary angioedema. Baxter Healthcare Corporation Protocol # 309801. WRAMC principal investigator. Completed Oct 03.
22. Pediatric and adult asthma patient outcomes- impact of patient and provider education. WRAMC outcomes project initiative. Department outcomes project coordinator. Completed.

Peer-Reviewed Publications

1. Lester MR, **Nelson MR**, Wilkins BE, Harrison, RC, Freeman TM. Ann Allergy Asthma Immunol. 2024 Apr 12;S1081-1206(24)00218-7.
2. Strobel RJ, Narahari AK, Rotar EP, Young AM, Vergales J, Mehaffey JH, Teman NR, Kern JA, Yarboro LT, Kron IL, **Nelson MR***, Roesser M*. Effect of Cardiopulmonary Bypass on SARS-CoV-2 Vaccination Antibody Levels. J Am Heart Assoc. 2023 Sep 5;12(17):e029406. PMID: 37589123 (*co-senior authors)
3. Engler RJM, Montgomery JR, Spooner CE, **Nelson MR**, Collins LC, Ryan MA, Chu CS, Atwood JE, Hulten EA, Rutt AA, Parish DO, McClenathan BM, Hrcir DE, Duran L, Skerrett C, Housel LA, Brunader JA, Ryder SL, Lohsl CL, Hemann BA, Cooper LT. Myocarditis and pericarditis recovery following smallpox vaccine 2002-2016: A comparative observational cohort study in the military health system. PLoS One. 2023 May 8;18(5):e0283988. doi: 10.1371/journal.pone.0283988. eCollection 2023. PMID: 37155666
4. Macomb CV, Chavarria CS, Nelson MR, Gada SM, Schwartz DJ. Disparity Between Mold Immunotherapy Dosing and Practice Parameter Recommendations in a Large Healthcare Setting. Ann Allergy Asthma Immunol. April 22, 2023 (online ahead of print). <https://doi.org/10.1016/j.anai.2023.04.016>
5. Ailsworth SM, Keshavarz B, Richards NE, Workman LJ, Murphy DD, **Nelson MR**, Platts-Mills TAE, Wilson JM. Enhanced SARS-CoV-2 IgG durability following COVID-19 mRNA booster vaccination and comparison of BNT162b2 with mRNA-1273. Ann Allergy Asthma Immunol. 2023 Jan;130(1):67-73. doi: 10.1016/j.anai.2022.10.003.
6. **Nelson MR**, Smith AR, Lawrence MG. The continuum of Allergy-Immunology Fellowship Training and continuing certification embraces competency based medical education. Ann Allergy Asthma Immunol. 2022 Mar;128(3):236-237. doi: 10.1016/j.anai.2021.12.019.
7. Richards NE, Keshavarz B, Workman LJ, Nelson MR, Platts-Mills TAE, Wilson JM. Comparison of SARS-CoV-2 Antibody Response by Age Among Recipients of the BNT162b2 vs the mRNA-1273 Vaccine. JAMA Netw Open. 2021 Sep 1;4(9):e2124331. doi: 10.1001/jamanetworkopen.2021.24331.
8. Keshavarz B, Richards NE, Workman LJ, Patel J, Muehling LM, Canderan G, Murphy DD, Brovero SG, Ailsworth SM, Eschenbacher WH, McGowan EC, Mann BJ, **Nelson MR**, Kadl A, Woodfolk JA, Platts-Mills TAE, Wilson JM. Trajectory of IgG to SARS-CoV-2 After Vaccination With BNT162b2 or mRNA-1273 in an Employee Cohort and Comparison With Natural Infection. Front Immunol. 2022 Mar 21;13:850987. doi: 10.3389/fimmu.2022.850987
9. Mahdavinia M, Assa'ad A, **Nelson M**. Underrepresentation of Blacks and Hispanics in Allergy and Immunology training and certification pipeline. J Allergy and Clin Immunol. 2021 Nov;148(5):1151-1153. doi: 10.1016/j.jaci.2021.08.017.
10. Flanagan KL, MacIntyre CR, McIntyre PB, **Nelson MR**. SARS-CoV-2 Vaccines: Where Are We Now? J Allergy Clin Immunol Pract. 2021 Oct;9(10):3535-3543. doi: 10.1016/j.jaip.2021.07.016
11. Richards NE, Keshavarz B, Workman LJ, **Nelson MR**, Platts-Mills TAE, Wilson JM. Comparison of SARS-CoV-2 Antibody Response by Age Among Recipients of the BNT162b2 vs the mRNA-1273 Vaccine. JAMA Network Open 2021 Sep;4(9):e2124331.

12. Smith K, Garman L, Norris K, Muther J, Duke A, Engler RJM, **Nelson MR**, Collins LC, Spooner C, Guthridge C, James JA. Insufficient Anthrax lethal Toxin Neutralization is Associated with Antidody Subclass and Domain Specificity in the Plasma of Anthrax-Vaccinated Individuals. *Microorganisms* 2021;9(1204):1-13.
13. Davis CM, Apter AJ, Casillas A, Foggs MB, Louisias M, Morris EC, Nanda A, **Nelson MR**, Ogbogu PU, Walker-McGill CL, Wang J, Perry TT. Health disparities in allergic and immunologic conditions in racial and ethnic underserved populations: A Work Group Report of the AAAAI Committee on the Underserved. *J Allergy Clin Immunol* 2021 May;147(5):1579-1593.
14. Engler RJM and **Nelson MR**. Host immune responses to influenza infection and vaccines: Lessons learned for all viral pandemic challenges. *Ann Allergy Asthma Immunol.* 2020 Jul;125(1):2-3.
15. Greenhawt M, Oppenheimer J, **Nelson M** et al. Sublingual Immunotherapy: A Focused Allergen Immunotherapy Practice Parameter Update. *Ann Allergy Asthma Immunol.* 2017;118(3):276-82.
16. Hartzell JD, Yu CE, Cohee BM, **Nelson MR**, Wilson RL Moving Beyond Accidental Leadership: A Graduate Medical Education Leadership Curriculum Needs Assessment. *Mil Med.* 2017 Jul;182(7):e1815-e1822.
17. Hernandez CL, Waibel KH, Kosisky SE, Nelson MR, Banks TA. 15 years of allergen immunotherapy vial sterility testing. *Ann Allergy Asthma Immunol.* 2017 Mar;118(3):374-375.
18. Park MH, Banks TA, **Nelson MR**. Allergy-immunology practice parameters and strength of recommendation data: an evolutionary perspective. *Ann Allergy Asthma Immunol.* 2016 Mar;116(3):252.
19. Engler RJ, **Nelson MR**, Collins LC Jr, Spooner C, Hemann BA, Gibbs BT, Atwood JE, Howard RS, Chang AS, Cruser DL, Gates DG, Vernalis MN, Lengkeek MS, McClenathan BM, Jaffe AS, Cooper LT, Black S, Carlson C, Wilson C, Davis RL. A Prospective Study of the Incidence of Myocarditis/Pericarditis and New Onset Cardiac Symptoms following Smallpox and Influenza Vaccination. *PLoS One.* 2015 Mar 20;10(3):e0118283. doi: 10.1371/journal.pone.0118283
20. Garman L, Vineyard AJ, Crowe SR, Harley JB, Spooner CE, Collins LC, **Nelson MR**, Engler RJ, James JA.. Humoral responses to independent vaccinations are correlated in healthy boosted adults. *Vaccine.* 2014 Sep 29;32(43):5624-31. doi: 10.1016/j.vaccine.2014.08.005.
21. Garman L, Smith K, Farris AD, Nelson MR, Engler RJ, James JA. Protective antigen-specific memory B cells persist years after anthrax vaccination and correlate with humoral immunity. *Toxins (Basel).* 2014 Aug 13;6(8):2424-31. doi: 10.3390/toxins6082424.
22. Banks TA, Savitz J, **Nelson MR**. Practice parameters and strength of recommendation data: a variable compass. *Ann Allergy Asthma Immunol.* 2014 May 22. [Epub ahead of print]
23. **Nelson MR**. Formulating the allergy and immunology milestones. *J Grad Med Educ.* 2014;6(1 Suppl 1):1-4.
24. Li R, McNeil MM, Pickering S, Pemberton MR, Duran LL, Collins LC, **Nelson MR**, Engler RJ. Military Healthcare Providers Reporting of Adverse Events Following Immunizations to the Vaccine Adverse Event Reporting System (VAERS). *Mil Med.* 2014 Apr;179(4):435-41.
25. Lam S, George S, Dunlow S, **Nelson M**, Hartzell J. Tdap coverage in a military beneficiary population: room for improvement. *Military Medicine.* *Mil Med.* 2013 Oct;178(10):1133-6.
26. Payne KM, **Nelson MR**, Petersen MM. Congenital nephrotic syndrome and agammaglobulinemia: A therapeutic dilemma. *Ann Allergy Asthma Immunol.* 2013;111(2):142-3.
27. **Nelson MR**, Petersen MM, Wolverson WO, Mikita CP. Allergen Immunotherapy Extract Treatment Set Preparation: Making a Safer and Higher Quality Product for Patients. *Curr Allergy Asthma Rep.* *Curr Allergy Asthma Rep.* 2013 Aug;13(4):399-405.

28. Turbyville JC, Dunford JC, **Nelson MR**. Hymenoptera of Afghanistan and the central command area of operations: assessing the threat to deployed U.S. service members with insect venom hypersensitivity. *Allergy Asthma Proc.* 2013;34(2):179-84.
29. Gada S, Haymore B, McCoy L, Kosisky S, **Nelson M**. Frequency of mold and pollen mixing in allergen immunotherapy prescriptions within a large health care system, 1990-2010. *J Allergy Clin Immunol.* 2012 Apr;129(4):1151-3.
30. Robertson BD, McCoy RL, **Nelson MR**, Haymore BR. Effect of allergen immunotherapy practice parameters on cat extract prescribing patterns, 1993-2009. *Ann Allergy Asthma Immunol.* 2011 Nov;107(5):437-40.
31. Cox L, Esch RE, Corbett M, Hankin C, **Nelson M**, Plunkett G. Allergen immunotherapy practice in the United States: guidelines, measures, and outcomes. *Ann Allergy Asthma Immunol.* 2011 Oct;107(4):289-99; quiz 300
32. Keiser PB, **Nelson MR**. Baseline differences explain the apparent benefits of combining oxymetazoline with intranasal corticosteroids. *J Allergy Clin Immunol.* 2011 Nov;128(5):1132.
33. Cox L, Nelson H, Lockey R, Calabria C, Chacko T, Finegold I, **Nelson M**, et al. Allergen immunotherapy: a practice parameter third update. *J Allergy Clin Immunol.* 2011 Jan;127(1 Suppl):S1-55.
34. Kosisky SE, Marks MS, **Nelson MR**. Pollen aeroallergens in the Washington, DC, metropolitan area: a 10-year volumetric survey (1998-2007). *Ann Allergy Asthma Immunol.* 2010 Mar;104(3):223-35.
35. Salazar KC, **Nelson MR**, Stone KD. A 42-year-old woman with chronic rhinosinusitis and allergic mucin. *Curr Allergy Asthma Rep.* 2009 Jul;9(4):255; discussion 255-9.
36. Haymore BR, McCoy RL, **Nelson MR**. Imported fire ant immunotherapy prescribing patterns in a large health care system during a 17-year period. *Ann Allergy Asthma Immunol.* 2009 May;102(5):422-5.
37. Engler RJ, **Nelson MR**, Klote MM, VanRaden MJ, Huang CY, Cox NJ, Klimov A, Keitel WA, Nichol KL, Carr WW, Treanor JJ; Walter Reed Health Care System Influenza Vaccine Consortium. Half- vs full-dose trivalent inactivated influenza vaccine (2004-2005): age, dose, and sex effects on immune responses. *Arch Intern Med.* 2008 Dec 8;168(22):2405-14.
38. Carr WW, Nelson MR, Hadley JA. Managing rhinitis: Strategies for improved patient outcomes. *Allergy Asthma Proc.* 2008 Jul-Aug;29(4):349-57.
39. Arora R, Newton TC, **Nelson MR**. Subcutaneous immunoglobulin therapy in an 11-year old patient with common variable immune deficiency and von Willebrand's Disease, *Annals of Allergy, Asthma & Immunology.* 2007;99(4):367-70.
40. Engler RJ, Klote M, **Nelson MR**. Optic neuritis and vaccination investigation: failure to consider significant sex differences and multiple vaccine combinations. *Arch Neurol.* 2007 Nov;64(11):1673-4
41. Davis KL, Kolisnyk JT, Klote MM, Yacovone MA, Martin BL, **Nelson MR**. Implications of venom hypersensitivity for a deploying soldier. *Mil Med* 2007 May;172(5):544-7.
42. Song TT, **Nelson MR**, Engler RJM, Chowdhury B, Chang JH. "Adequacy of the Epinephrine Autoinjector Needle Length in Delivering Epinephrine to the Intramuscular Tissues," *Annals of Allergy, Asthma and Immunology.* 2005; 94 (5):539-542.
43. Dewyca VA, **Nelson MR**, Martin BL, "Asthma in pregnancy." *Allergy, Asthma Proceedings.*2005; 26(4):323-5.
44. Klote MM, **Nelson MR**, Engler RJM. Autoimmune Urticarial Response to High Dose IVIG. *Annals of Allergy Asthma and Immunology, Feb.* 2005; 94:307-308.

45. Eckart RE, Love SS, Atwood JE, Arness MK, et al. (**Nelson MR**) Incidence and Follow-up of Inflammatory Cardiac Complications after Smallpox Vaccination. *J Amer Coll Card.* 2004;44(1):201-5.
46. Cloonan C, Fauver HE Jr, Holloway HC, Hospenthal DR, Hutton J, Lewis E, Madrigal VE, Maliner B, **Nelson M**, Reynolds PC, Staunton M, Wayne BA, Roy MJ. Military unique curriculum: identifying and prioritizing content. *Mil Med.* 2003 Sep;168(9 Suppl):41-5.
47. Martin BL, **Nelson MR**, Hershey JN, Engler RJM. Adverse reactions to vaccines. *Clin Rev Allergy Immunol.* 2003 Jun; 24(3):263-76.
48. **Nelson MR**, Oaks H, Smith LJ, Engler RJM. Anaphylaxis Complicating Routine Childhood Immunization: *Hemophilus influenza B*. *Pediatric Asthma, Allergy & Immunology.* 2001;14(4):315-21.
49. **Nelson MR**, Carregal VA, Deguzman RD, Engler RJM. Aseptic Meningitis Due to Intravenous Immunoglobulin Therapy that Resolved with Subcutaneous Administration. *Pediatric Asthma, Allergy & Immunology.* 2001;14(4):323-7.
50. Deguzman RD, Rodriguez RJ, Katial RK, **Nelson MR**, Engler RJM. Four-year experience with Serious Adverse Reactions to Intravenous γ -Globulin at a Tertiary Medical Center. *Pediatric Asthma, Allergy & Immunology.* 2001;14(4):315-21.
51. **Nelson MR**, Creutz CE. Comparison of the expression of native and mutant bovine annexin IV in *Escherichia coli* using four different expression systems. *Protein Expression and Purification.* 1995;6(2):132-140.
52. **Nelson MR**, Creutz CE. Combinatorial mutagenesis of the four domains of annexin IV: effects on chromaffin granule binding and aggregating activities. *Biochemistry.* 1995;34(9):3121-3132.
53. **Nelson MR**, Hamman HC, Creutz CE. Expression of endonexin in *E. coli* using site directed mutagenesis. *Journal of Cell Biology.* 1989;107(6):340a. Abstract presented at the 1989 combined ASCB/ASBMB national conference.
54. Creutz CE, Kambouris NG, Snyder SL, Hamman HC, **Nelson MR**, Liu W, Rock P. Effects of the expression of mammalian annexins in yeast secretory mutants. *J Cell Science.* 1992;103(pt. 4):1177-92.

Select Abstracts

1. Dunaway Altamirano C, Mayorga Sirera A, Barahona, K, Aguilar-Andino D, Hernandez K, Montalvo Nuñez A, Caceres Reynaud C, Valeriano Lanza M, Maldonado D, Workman L, Nelson M, Platts-Mills TAE, Wilson J. IgE food sensitization and self-reported symptoms in a school-aged cohort from Honduras. AAAAI February 2024 Annual Meeting, Washington D.C.
2. Patel J, Keshavarz B, Richards N, Workman L, Muehling L, Murphy D, Eschenbacher W, **Nelson M**, Platts-Mills T, Wilson J. Kinetics and levels of IgG to SARS-CoV-2 in recipients of COVID-19 vaccines: longitudinal monitoring with a quantitative assay. ACAAI October 2021 Annual Meeting, New Orleans.

Book Chapters

1. Mustillo P, Martin BL, Oppenheimer J, **Nelson MR**. ACAAI Allergen Immunotherapy Extract Preparation Instructional Guide, Revised June 2023.
2. **Nelson MR**, Cox L, Le TT. Allergen Immunotherapy Extract Preparation Guidelines, in *American Academy of Allergy, Asthma & Immunology Practice Resource Manual*. March 2009, revised February 2010.
3. **Nelson MR**. Serum Sickness. Chapter in *Allergy and Asthma: Practical Diagnosis and Management*. Ed. Mahmoudi, M. Lange Series, McGraw Hill, 2007.
4. Martin BL, Engler RJM, **Nelson MR**, Klote MM, With CM, Krauss M, *Asthma and its implications for Military Recruits* in *Recruit Medicine*. Eds. Lenhart MK, Lounsbury DE, North RB., Office of the Surgeon General, Department of the Army, Washington DC, 2006;89-108.

5. **Nelson MR.** Anaphylaxis. Chapter in Immunization-Allergy Technician Course Manual, 2006.
6. Creutz CE, Drust DS, Hamman HC, Junker M, Kambouris NG, Klein JR, **Nelson MR**, Snyder SL. Calcium-dependent membrane-binding proteins as potential mediators of stimulus-secretion coupling. Chapter in Stimulus-Response Coupling: The Role of Intracellular Calcium, eds. Smith VL and Dedman JR. 1990.