

Curriculum Vitae

Adrian M. Casillas, M.D.

Baylor College of Medicine
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Houston, TX 77030

Adrian M. Casillas, M.D.

I. General Information

<u>Institution</u>	<u>Degree</u>	<u>Field of Study</u>	<u>Year</u>
UCLA, School of Medicine, Los Angeles, CA	Postdoctoral	Internal Medicine	1987-1990
UCLA, School of Medicine, Los Angeles, CA	Postdoctoral	Clin.Immunology and Allergy	1990-1993

Education:

<u>Institution</u>	<u>Degree</u>	<u>Field of Study</u>	<u>Year</u>
University of Notre Dame, South Bend, IN	B.S.	Microbiology	1983
UCLA, School of Medicine, Los Angeles, CA	M.D.	Medicine	1987

Postgraduate Training:

Academic Appointments:

<u>Institution</u>	<u>Position</u>	<u>Year</u>
UCLA Dept. of Medicine, Division of Clinical Immunology and Allergy	Clinical Instructor	1994 – 1997
UCLA Dept. of Medicine, Division of Clinical Immunology and Allergy	Assistant Professor	1997 – 2004
UCLA Fellowship Training Program in Clinical Immunology and Allergy	Program Director	2000 – 2007
UCLA Dept. of Medicine, Division of Clinical Immunology and Allergy	Associate Professor	2004 – 2007

UCLA Research Center at Alhambra	Medical Director	2005 – 2007
LSU Health Sciences Center School of Medicine in Shreveport	Associate Professor	2007-2013
LSU Health Sciences Center School of Medicine in Shreveport	Program Director	2008-2013
Baylor College of Medicine Houston, TX	Associate Professor	2013 - present

Board Certifications:

American Board of Internal Medicine-- Diplomate		1992
American Board of Allergy & Immunology—Diplomate/ Recertification		1995/2005

Licensure:

California State Board of Medical Quality Assurance	(active in good standing)	1988
Drug Enforcement Administration	(active in good standing)	1988
Louisiana State Board of Medical Examiners	(active in good standing)	2008

Invited lectures (selected)

Health Effects: Environmental Mold	ACAAI Seattle, WA	2008
Update on Allergic Rhinitis	LA Chapter of AAP Lafayette, LA	2008
Update on Atopic Disease	LSUHSC-Practical Pediatrics Shreveport, LA	2008
Environment and Allergic Disease	NCE of AAP Boston, MA	2008

Exercise Induced Asthma	5 th International Congress of Allergy and Allergic Diseases Mexico City, Mexico	2008
Leukotrienes in Allergic Disease	5 th International Congress of Allergy and Allergic Diseases Mexico City, Mexico	2008
Immunodeficiency: A Practical Approach	LSUHSC Department of Pediatrics Shreveport, LA	2010
Effects of Malnutrition on Immune System Development	LSUHSC Department of Pediatrics, Grand Rounds Shreveport, LA	2011
Hereditary Angioedema Basics of Treatment (patient course)	Patient Education Seminar Thibideaux, LA	2011
Eosinophilic Esophagitis	American Academy of Physician Assistants in Allergy, Asthma and Immunology San Antonio, TX	2011

Honors and Awards:

Magna Cum Laude, University of Notre Dame	1983
Franklin C. McLean/National Medical Foundation Award	1986
Gladys M. Shea Prize in Anatomical Sciences (UCLA School of Medicine)	1986
Honors in Medicine, UCLA School of Medicine, Dept. of Medicine	1987
H. J. Kaiser Foundation/National Medical Fellowship Merit Scholar	1987
Richard D. Walter Award in Neurology	1987

President's Fellowship Award, University of California	1992
Robert Wood Johnson Foundation Minority Medical Faculty Development Award	1994
Stein-Oppenheimer Research Award (UCLA)	1998
Merck Respiratory Young Investigators Award	1999
Stemmler Educational Research Award, National Board of Medical Examiners	2000
William Pierce Clinical Immunology Visiting Professor, UC San Francisco	2003

Research

A. Bibliography:

Peer-reviewed Publications:

Casillas AM, Hanekom, C, Williams K, Katz R. & Nel AE. Stimulation of B-cells via the membrane immunoglobulin receptor with PMA induces tyrosine phosphorylation and activation of a 42 kDa MAP-2 kinase. J Biol Chem. 1991 Oct 5; 266(28):19088-19094.
Casillas, A. M. & Spector, S. A review of non-sedating antihistamines. Clin. P. & T. 1992. 17(4):559-563.
Casillas, A. M. & Spector, S. Nonsedating Antihistamines: An Overview. Drug Therapy. 1992. 22(8):29-34.
Casillas, A. M. & Spector, S. Nonsedating Antihistamines: An Overview. Physician Assistant 1992. 17(3):47-54.
Casillas, AM, Amaral K., Chegini-Farahani S, and Nel AE. Okadaic acid activates p42 mitogen-activated protein kinase (MAP kinase; ERK-2) in B-lymphocytes but inhibits rather than augments cellular proliferation: contrast with phorbol 12-myristate 13-acetate. Biochem. J. 1993 Mar 1: 290 (Pt 2): 545-550.
Amaral, MC, Casillas AM, and Nel AE, Contrasting effects of two tumour promoters, phorbolmyristate acetate and okadaic acid, on T-cell responses and activation of p42 MAP-kinase/ERK-2. Immunology. 1993 May;79(1): 24-31.

<p>Casillas, AM, Thompson A, Aguilera RJ. RAG-1 and RAG-2 gene expression and V(D)J recombinase activity are enhanced by protein phosphatase 1 and 2A inhibition in lymphocyte cell lines. <i>Molec. Immunol.</i> 1995 Feb; 32:167-175.</p>
<p>Diaz-Sanchez D, Tsien A, Casillas AM, Dotson AR and Saxon A. Enhanced nasal cytokine production in humans following in vivo challenge with diesel exhaust particles. <i>J. Allergy Clin. Immunol.</i> 1996 Jul, 98(1): 114-23.</p>
<p>Casillas AM, and Nel AE. An Update On The Immunopathogenesis Of Asthma As An Inflammatory Disease Enhanced By Environmental Pollutants. <i>Allergy and Asthma Proceedings.</i> 1997 July, 18(4):227-33.</p>
<p>Hurst K, Casillas AM, and Stevens RH. Exploring the dynamics of complex problem solving with artificial neural network-based assessment systems. 1998 (CSE Technical Report No. 387). Los Angeles: University of California, National Center for Research on Evaluation, Standards, and Student Testing.</p>
<p>Stiehm ER, Casillas AM, Finkelstein J, et al. Subcutaneous Human Intravenous Immunoglobulin (IVIg) in the treatment of antibody deficiency. <i>J. Allergy Clin. Immunol.</i> 1998. 101:848-849.</p>
<p>Casillas, AM, Clyman SG, Fan YV, Stevens RH. An Artificial Neural Network-based Model for Clinical Performance Assessment. <i>Proceedings of the 8th International Ottawa Conference.</i> 1998, July</p>
<p>Stevens RH, Ikeda J, Casillas AM, Palacio-Cayetano, J, Clyman S. Artificial Neural Network-Based Performance Assessments. <i>Computers in Human Behavior.</i> 1999.15: 295-313.</p>
<p>Casillas AM, Hiura T, Li N, Nel AE. Enhancement of allergic inflammation by diesel exhaust particulates: role of reactive oxygen species. <i>Ann Allergy Asthma Immunol.</i> 1999 Dec; 83(6 Pt2):624-629.</p>
<p>Casillas AM, Clyman SG, Fan YV, Stevens RH. Exploring Alternative Models of Complex Patient Management with Artificial Neural Networks. <i>Advances in Health Sciences Education</i> 5: 23-41, 2000. 5: 23-41.</p>
<p>Kanowith-Klein, S, Stave M, Stevens RH, Casillas AM. Problem-solving Skills Among Pre-College Students in Clinical Immunology and Microbiology: Classifying Strategies with a Rubric and Artificial Neural Network Technology. <i>Microbiology Education.</i> 2001. 2(1):25-33.</p>
<p>Jaing JT, Sepulveda, JA, Casillas AM. Novel Computer-Based Assessment of Asthma Strategies in Inner-City Children. <i>Ann Allergy, Asthma, and Immunol.</i> 2001. Sept;87(3):230-237.</p>

<p>Stevens RH, Casillas AM, Vendlinski T. Artificial Neural Network-Based Performance Assessments Using Simulations. Presentation at the annual meeting of the National Council for Measurement in Education: Seattle WA. 2001.</p>
<p>Casillas AM. Evaluation of High Stakes Patient Management Skills through Performance-based Clustering Using Artificial Neural Networks. Proceedings of the American Education Research Association. April,2002.</p>
<p>Casillas AM, Nyamathi AM, Sosa A, Wilder CL, Sands H. A Current Review of Ebola Virus: Pathogenesis, Clinical Presentation, and Diagnostic Assessment. Biol Res Nurs. 2003. 4 (4): 268-75.</p>
<p>Nyamathi AM, Fahey JL, Sands H, Casillas AM. Ebola Virus: Immune Mechanisms of Protection and Vaccine Development Biol Res Nurs. 2003; Apr;4(4):276-281.</p>
<p>Riedl MA, Ortiz G, Casillas AM. A Primary Care Guide to Managing Chronic Urticaria. Journal of the American Association of Physician Assistants. 2003;16:WEB.</p>
<p>Riedl MA, Casillas AM. Adverse drug reactions: types and treatment options. AmFam Physician. 2003; 68(9):1781-90.</p>
<p>Lin, JH, Casillas, AM, Sabah, S. C1-esterase Inhibitor Autoantibodies in a Patient Presenting with Acute Tongue Swelling. Allergy Asthma Proc. 2007; 28(1):93-6.</p>
<p>Nyamathi, A., King, M., Casillas, AM., Gresham, L. S., &Mutere, M. Perceptions Of Nurses in Content and Delivery Style of Bioterrorism Education. Journal for Nurses in Staff Development. 2007. Volume 23, Number 6, 1-7.</p>
<p>Apter, A., Casillas, A.M. Health Care Disparities: What Have We Done and What Do We Do Next? J Allergy ClinImmunol 2009; 123(6):1237-1239.</p>
<p>Nyamathi, A., Casillas, A., et al. Effect of IMMEX Effective Clinical Problem-Solving Training for Nurses on Bioterrorist Attack Agents. J ContinEducNurs 2010; 41(8): 375-384.</p>
<p>Randhawa S, Chahine B, Lowery-Nordberg M, Cotelingam J, and Casillas A. Fas/FasL under and over expression: a double-edged sword. Ann Allergy Asthma Immunol 2010; 104(4): 286-292.</p>
<p>Vanchiere J, Casillas AM. Urinary Cytokines in BK Viruria. Transplantation. 2010; 90(2):227.</p>

Ramirez, D, Patel, P, Casillas, AM, Cotelingam, J, Boggs, P, Bahna, SL.
Assessment of high-sensitivity C-reactive protein as a potential marker of
airway inflammation. *Ann Allergy Asthma Immunol* 2010; 104(6): 485-489.

Maleki, S., Casillas, AM. et al. Differences between Heat-Treated, Raw, and
Commercial Peanut Extracts by Skin Testing and Immunoblotting. *Ann
Allergy Asthma Immunol.* 2010; 105:451-457.

Joel Kaufman, Sara Adar, Ryan Allen, Brad Astor, R. Graham Barr,
Matthew Budoff, Gregory Burke, Adrian Casillas, et al. Prospective Study of
Particulate Air Pollution Exposures, Subclinical Atherosclerosis, and Clinical
Cardiovascular Disease. The Multi-ethnic Study of Atherosclerosis and Air
Pollution (MESA Air). *Am. J. Epidemiol.* 2012; 176 (9): 825-837. doi: 10.1093/
aje/kws169

Shakouri A, Ortiz, G. Casillas, AM. Eosinophilic esophagitis: A practical primer
to an atypical disease. *Journal of the American Academy of Physician
Assistants*, 2013 May; 26(5): 54-7

Landers C, Akuete K, Casillas AM. Breastfeeding Anaphylaxis: a Case Report.
2015 (Submitted)

Chapters:

Casillas AM, Riedl MA. (2003) Drug Allergy. In E.Milgrom, R. Usatine, R. Tan
and S. Spector (eds.), Practical Allergy, New York, Elsevier.

Casillas AM, Stevens RH. (2006) Artificial Neural Networks. In: Automated
Scoring, In R.E. Mislevy, D.M. Williamson, I. Bejar (eds), Hillsdale, NJ:
Lawrence Erlbaum Associates, Inc.

Published Abstracts (selected)

S. Sattar, A. Casillas. A Case of Chronic Rhinosinusitis *J Allergy Clin
Immunol* 2007; 119(1): S144.

Y. Yilmaz-Demirdag, A.M. Casillas, S.L. Bahna. Successful Desensitization
to Infliximab in 14 Subjects. *J Allergy Clin Immunol* . 2009; 123(2): S237.

O.C. Dokmeci*, C.K.Woo, A. Casillas. A Case of Immune Dysregulation, X-
Linked Lymphoproliferative Disease. *Ann Allergy Asthma Immunol* 2010;
105(5): A63

S.K. Mane*, A. Casillas. Successful Treatment with Combined Corticosteroids and High-Dose Intravenous Immunoglobulin in Three Patients with Overlapping DRESS and Steven Johnson Syndrome. Ann Allergy Asthma Immunol 2010; 105(5): A76
C.K.Woo*, A. Casillas. Lisinopril Induced Psoriatic Erythroderma. Ann Allergy Asthma Immunol 2010; 105(5): A89
A.K. Cormier*, A.M. Casillas. Incorporating a Virtual Clinical Immunology Curriculum through Computer-Based Case Simulations for Medical Students. Ann Allergy Asthma Immunol 2010; 105(5): A111
S. Randhawa, V. Dimov, A. Casillas, T. Casale. Decreasing General Public Awareness of Asthma Suggested by Worldwide and Regional Search Engine Data. J Allergy Clin Immunol 2010; 125(2), Supplement 1, AB137
M. Murray, A. Casillas. A Case of Malnutrition and Secondary Immune Deficiency. Ann Allergy Asthma Immunol 2011
M. Hollister, M. Murray, A. Casillas. A Case of Autoimmune Lymphoproliferative Syndrome. Ann Allergy Asthma Immunol 2011
M. Hollister, S. Umer, A. Casillas. Successful Treatment of Macrophage Activating Syndrome in a Patient with Juvenile Idiopathic Arthritis. Ann Allergy Asthma Immunol 2012; 109(5)S1: A87
A. Casillas. HAE In a Southern Louisiana Kindred: Novel Gene Mutations. J Allergy Clin Immunol. 2014; 133 (2) Supplement AB31

B. Research Support:

Beriner Experience in Self-administration Trial (BEST)	2012 - 2014
Investigator initiated research application to study satisfaction with self administration of C1 esterase inhibitor in a family kindred with hereditary angioedema Role: PI	
Stiles Intramural Award (LSUHSC)	2012 - 2013
Polyoma virus excretion in immune deficiency Role: PI	
Stiles Intramural Award (LSUHSC)	2009 – 2011

<p>To develop computer case modules in allergy and immunology for educational research on clinical problem solving Role: PI</p>	
<p>Multi Ethnic Study on Atherosclerosis (MESA) (Grant Number N01- HC- 95160) NIH/NHLBI</p>	<p>2005 - 2009</p>
<p>To examine the characteristics of subclinical cardiovascular disease and risk factors that predict progress to clinically overt cardiovascular disease and the progression of subclinical disease itself in a diverse population-based sample of men and women aged 50-90 Role: Co-Investigator</p>	
<p>Diabetes Prevention Program Outcomes Study (DPPOS) (Grant Number 5 U01-DK-48443-12) NIH/ NIDDKD</p>	<p>2005 - 2007</p>
<p>To study the long term effect of diet and exercise and the diabetes medication, metformin, on the delay of type 2 diabetes in participants of the HYPERLINK "http://www.niddk.nih.gov/patient/dpp/dpp.htm"Diabetes Prevention Program (DPP) Role: Co-Investigator</p>	
<p>MESA Air Prime Award # RD-83169701 Sub award (EPA) # 137907 (Casillas)</p>	<p>2005-2007</p>
<p>To examine the relation between an individual level of long-term ambient air pollution exposure and the progression of subclinical cardiovascular disease in a multi-city, multi-ethnic cohort, and also the incidence of cardiovascular disease, including myocardial infarction and cardiovascular death Role: Principal-Investigator</p>	
<p>Resource Center for Minority Aging Research</p>	<p>2006-2007</p>
<p>To investigate the use of computerized diabetes education program in a group of Mexican-American elders Role: Co-Investigator</p>	
<p>UCLA Center for Community Partnerships (Grant Number – PS30719)</p>	<p>2006-2007</p>

<p>To investigate the use of computerized nutrition education program in a Hispanic adults Role: Co-Investigator</p>	
<p>TriServices Nursing Research (Grant Number – P3337-7081 211)</p>	<p>2004-2008</p>
<p>To assess the bioterrorism preparedness skills of military and civilian nurses Role: Co-Investigator</p>	
<p>Pacific Southwest Center for Biodefense and Emerging Infectious Diseases (NIH/ NIAID-018538-001)</p>	<p>2005-2007</p>
<p>To develop online bioterrorism preparedness training modules for public health laboratory personnel and to assess level of bioterrorism preparedness. Assessment with artificial neural networks would be performed Role: Co- Investigator</p>	
<p>UCLA Center for Community Partnerships</p>	<p>2004-2005</p>
<p>To develop and investigate a science-based high school drug abuse curriculum using computer-based problem solving to assess students' understanding of the neuroscience of drugs and drug abuse Role: Principal Investigator</p>	
<p>Minority Faculty Development Award Robert Wood Johnson Foundation (Grant Number 049145)</p>	<p>2003-2005</p>
<p>To investigate the efficacy of an eHealth application designed to improve the asthma disease management skills of at-risk, minority children through the assessment of patient problem solving skills with IMMEX search path maps and artificial neural networks analysis Role: Principal –Investigator</p>	
<p>UCLA Center for Vulnerable Populations Research (Grant Number – P30 NR005041)</p>	<p>2003-2004</p>
<p>To investigate the asthma disease management skills of urban, minority parents and their asthmatic children using IMMEX search path maps and artificial neural network analysis Role: Principal Investigator</p>	

National Institute of Health (K08) Award (Grant Number 1 KO8 AI01560-01)	1998-2004
To develop, implement and assess computer-based problem solving tasks in childhood asthma; establish working interacting between health care professionals and community resources to implement broad-based assessment of clinical knowledge of asthma Role: Principal investigator (Mentor: Ronald H. Stevens, PhD)	
Centinela Medical Foundation (California Community Foundation) Grant II (Grant Number 20000100424)	2000-2003
To provide air pollution sampling data and correlate with asthma management and clinical outcomes of study participants in Centinela Valley geographical region of southwest Los Angeles County Role: Principal Investigator	
Centinela Medical Foundation (California Community Foundation) Grant I (Grant Number 200002361)	2000-2003
To enhance asthma management skills of asthmatic adolescents and their parents through computer-based problem solving and performance assessment, literacy enhancement and health monitoring Role: Principal Investigator	
National Board of Medical Examiners Stemmler Educational Research Development Grant (Grant Number IG#4-9900)	2000-2002
To provide computer-based case simulations to extend performance assessment of medical knowledge and competence Role: Co-Principal Investigator	
AAAAI Training Program Directors Award (Project Support Award)	2000-2001
To convert the Training Program Director's Case Modules in allergy and immunology into a suitable computer-based exercise Role: Award recipient/Principal Investigator	
UCLA Stein-Oppenheimer Award	1998-1999

Seed grant to develop computerized case modules to study childhood asthma and initiate childhood asthma education project
 Role: Principal Investigator

Service

Professional Affiliations and Committees:

Clinical Immunology Society	1995
UCLA School of Medicine Admissions Committee	1996 – 2000
American Academy of Allergy, Asthma and Immunology (AAAAI) Training Program Directors' Education Subcommittee	2000-2013
Vice Chair, Education Committee, Clinical Immunology Society	1999-2002
Board of Directors, Los Angeles Society of Allergy and Clinical Immunology	2001-2007
Fellow, American Academy of Allergy, Asthma and Immunology	2002
Board Member, Los Angeles Chapter, Asthma and Allergy Foundation of America	2002-2004
Executive Council, AAAAI Training Program Directors Committee	2002-2004 2011- Present
Fellow, American College of Allergy, Asthma and Immunology	2003
Chair, Minority Recruitment Task Force, AAAAI	2008
Communications Committee, Clinical Immunology Society	2008 – 2010
Pharmacy and Therapeutics Committee, LSUHSC	2009 – 2013

Communications Committee, LSUHSC	2011 – 2013
Institutional Review Board, LSUHSC	2011 – 2013
Online Education Committee Chair AAAAI	2010 – 2013
ACAAI Annual Meeting Moderator For International Update Of Allergic Diseases	2009 – 2011
Hereditary Angioedema Advisory Board, CSL Behring	2011
Faculty Advancement Panel, Baylor College of Medicine	2014 – present
Chronic Fatigue Syndrome Advisory Committee, Washington, DC	2012 - present

Teaching:

M201 –UCLA Medical Microbiology and Immunology	1998-2004
NP Seminar – UCLA School of Nursing, Nurse Practitioner Seminar	1996-2004
Nursing 222 – Immunosuppression and Patient Care, Spring	1997-1998
AAAAI Training Program Director Core Curriculum Subcommittee Symposium on Computer Based Learning for Residents and Fellows	2004-2013
UCLA Short Term Training Program Mentor (STTP)	1998-2000
Research Elective Mentor, UCLA School of Medicine	1998-2000
LSUHSC Immunology for Medical Students: Clinical Case Modules	2008-2013

LSUHSC Medical School Curriculum: Pathophysiology of Disease, Immunology Section	2008-2013
Medical Student and Resident Rotations in Clinical Immunology	2008-2013
Foundations in Medical Education: Allergies	2008-2013
Baylor College of Medicine Allergy and Immunology Training Program	2013 – present
Baylor College of Medicine Translational Biology and Molecular Medicine (TBMM) Clinical Mentor	2014 - present

Community Service Activities:

Lennox School District Healthy Start Program	1996-2000
Southern California Chapter of Asthma and Allergy Foundation: Patient Education Seminars	1999-2006
California Community Foundation: Demonstration project of inner-city asthma education project	2000-2003
Centinela Medical Foundation: Air quality monitoring, data analysis and enhancement of air pollution awareness within Centinela Valley Community of Los Angeles County	2000-2003
Moneta Gardens Improvement Inc.- Hawthorne School District School-based asthma education with computerized assessment	2000-2004

Cinco de Mayo Health Fair (Shreveport), Chair	2009-2013
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Administrative Responsibilities:

Program Director – Division of Clinical Immunology and Allergy Immunology Fellowship Training Program	2000-2007
Program Director – LSUHSC Section of Allergy and Immunology	2008-present
LSUHSC Clinical Pharmacy and Therapeutics Committee	2010-present
Chair, AAAAI Online Case Module Development Committee	2010-present
LSUHSC Institutional Review Board #2, Primary Member	2011
Medical Director BCM Clinical Immunology and Allergy Section	2013–present
Chief, Allergy and Immunology Clinic, M. Debakey VA Medical Center	2014-present

