

Danica Jenine Schulte, M.D.

Southern California Allergy and Immunology

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Education:

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| 1992-1996 | Santa Clara University
Santa Clara, California
Degree Awarded: Bachelor of Science in Biology, <i>Cum Laude</i> |
| 1994 | University of Adelaide
Adelaide, Australia |
| 1996-2000 | Loyola University of Chicago, Stritch School of Medicine
Maywood, Illinois
Degree Awarded: Doctor of Medicine, with Honors |

Post-Graduate Training:

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| 2000-2001 | Internship in Pediatrics
Cedars-Sinai Medical Center
Los Angeles, California |
| 2001-2003 | Residency in Pediatrics
Cedars-Sinai Medical Center
Los Angeles, California |
| 2003-2006 | Fellowship, Pediatric Infectious Diseases,
Cedars-Sinai Medical Center,
Los Angeles, California |
| 2006-2007 | Fellowship, Allergy and Immunology
UCLA, David Geffen School of Medicine
Los Angeles, California |

Board Certification:

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| 2003 | Diplomat, American Board of Pediatrics |
| 2008 | Board Certified, Allergy and Immunology |
| 2009 | Board Certified, Pediatric Infectious Disease |

Faculty Position:

2008-present Assistant Professor of Pediatrics
Pediatric Infectious Diseases, Immunology and Allergy
Cedars-Sinai Medical Center

2008-present Assistant Professor, in Residence Step II
UCLA David Geffen School of Medicine
Department of Pediatrics,
Los Angeles, California

2007-2008 Clinical Instructor,
UCLA David Geffen School of Medicine
Department of Pediatrics,
Los Angeles, California

2005 Attending Physician,
Pediatrics
Cedars-Sinai Medical Center

Professional Activities:

Committee Service

University Committees:

2008-2012 Member, Academic Senate UCLA

2009-2012 Intern Selection Committee, Tri-Campus program, Department
of Pediatrics, UCLA

Hospital Committees:

2007-present Children's Health Center Operations Committee, Cedars-Sinai Medical
Center

2008-March 2012 Pediatric Pharmacy and Therapeutics Committee, Cedars-Sinai Medical
Center

Department Committees:

2009-present Department of Pediatrics Grand Rounds Committee, Cedars-Sinai Medical
Center

2012-present Department of Pediatrics, Community Outreach Committee, Cedars-Sinai
Medical Center

Community Service:

November 2004 Invited Speaker, Mount St. Mary's College.
"Women and Higher Education: Inspiring Minds, Inspiring
Direction"

March 2007 Invited Speaker, Mount St. Mary's College
International Women's Day Colloquium

Summer 2008-2011 Physician Mentor, Annual Gene Black Summer Medical Student Program Los Angeles Pediatric Society
November 2010 Invited Speaker, Robert A. Millikan Middle School. Group discussion and lecture on Sexually Transmitted Diseases
Summer 2009-2011 Physician Mentor, Youth Employment and Development Health Academy, Fairfax High School
April 2012 Community Wellness Fair, Rite Aide Pharmacy, Van Nuys.

Professional Associations and Scholarly Societies:

2000 Member, American Academy of Pediatrics
2003 Drug Enforcement Administration Registration
2003 Member, Infectious Diseases Society of America
2003 Member, Pediatric Infectious Diseases Society
2006 Member, American College of Allergy, Asthma and Immunology
2006 Member, American Academy of Allergy, Asthma and Immunology

Editorial Services: NONE

Consulting Activities:

Spring 2008 National Media Speaker for the Asthma and Allergy Foundation of America, Fall Allergy Capitals campaign
April 2009 Invited speaker to discuss DiGeorge Syndrome, "The Doctors" television program

Honors and Awards:

Principal Investigator Grants:

1 K08 A1070162-01 "Innate Immunity and Mouse Model of Kawasaki Disease" (PI Schulte, D) May 1, 2007-April 30, 2012. NIAID

1R03AI097748-01: "Potential Role of IL-1B Therapies for Treatment of Vasculitis of Kawasaki Disease" (PI Schulte D transitioned to Arditi, M) February 1, 2012- January 31, 2014 NIAID

Research Awards

2004-2011 **NIH Pediatric Research Loan Repayment Grant** "Role of Toll-Like Receptors and the Adaptor Molecule MyD88 in Kawasaki Disease. Mechanisms of IVIG-Induced Protection of Arteritis in Kawasaki Disease".
1995 American Heart Association Student Researcher Grant

Honors:

- 2008-2010 Senior Clinical Scholar, Cedars-Sinai Medical Center
- 2005-2006 Golden Apple Award, "Excellence in Teaching by a Fellow",
Department of Pediatrics, Cedars-Sinai Medical Center
- 2004 Standing Ovation Award for Excellence in Patient Care
- 2003-2004 Golden Apple Award, "Excellence in Teaching by a Fellow",
Department of Pediatrics, Cedars-Sinai Medical Center
- 1998-2000 Clinical Honors in Internal Medicine, Family Medicine,
Psychiatry, Surgery, Neonatal ICU, Pediatrics Infectious
Disease, Pediatrics Emergency Medicine.
- 1998,1999 Medical and Dental Scholarship, Loyola University

Selected Teaching Activities and Lectures:

- 2003-March 2012 Neonatal Core Lecturer, "Congenital Infections"
monthly lecture for the house staff rotating in the Neonatal
Intensive Care Unit at Cedars-Sinai Medical Center
- May 2003-present "The Immunology of Food Allergy" Pediatrics Noon
Conference, Cedars-Sinai Medical Center
- May 2004 "Lymphocytic Choriomeningitis Virus" Los Angeles/Orange
County Infectious Diseases Symposium
- June 2004 "Congenital Lymphocytic Choriomeningitis Virus",
Case Conference Cedars-Sinai Medical Center
- June 2005-present "Tuberculosis for the Pediatrician" Pediatrics Noon
Conference, Cedars-Sinai Medical Center
- September 2005 "The Truth about Vaccines" Emergency Core Lecture Series,
Pediatrics Noon Conference
- May 2006, May 2007 "A Murine Model of Kawasaki Disease, a research update" Los
Angeles/Orange County Infectious Diseases Symposium

- November 2006 "The Immunology of DiGeorge Syndrome" Pediatric Grand Rounds, Cedars-Sinai Medical Center
- May 2008 "Innate and Adaptive Immune System in a Murine Model of Coronary Arteritis" Los Angeles/Orange County Infectious Diseases Symposium
- August 2008 "Innate and Adaptive Immunity in a Mouse Model of Kawasaki Disease" UCLA, Grand Rounds
- October 2008 "Immunodeficiencies and Infection" PhD course on Immunobiology, Biomedical Sciences and Translational Medicine, Cedars-Sinai Medical Center, Los Angeles, CA
- January 2009 "Food Allergies: A Review" Cedars-Sinai Pediatric Grand Rounds, Los Angeles, CA
- February 2009 "Surviving Grant writing" PhD lecture to the Biomedical Sciences and Translational Medicine Graduate students, Cedars-Sinai Medical Center, Los Angeles, CA.
- May 2009 "Food Allergies: A Review for the Pediatrician" Invited Speaker, Pediatric Symposium, Bakersfield Memorial Hospital
- January 2010 "Pediatric Cough, Cold and Flu" Invited Speaker, CalOptima Pharmacy Continuing Education
- March 2010 "Primary Immunodeficiencies" UCLA, Pediatric Infectious Diseases educational series
- October 2010- present "Immunodeficiencies and the General Pediatrician" UCLA-Cedars-Sinai Pediatric Residency Teaching Program.
- October 2010 "Persistent Pneumonia in a neonate: Chronic Granulomatous Disease" Department of Pediatrics, Case Conference, Cedars-Sinai Medical Center
- November 2010 "Pediatric Asthma: A common sense approach to the chronic cough in a child", Invited speaker, Pharmacy CalOptima Pharmacy Continuing Education.
- May 2011 "TB Facts or Fiction" Staff in-service for Children's Health Center

- May 2011 "Respiratory Distress in a Neonate" Los Angeles/Orange County Infectious Diseases Symposium
- June 2011 "Confronting Food Allergies From a Pediatric Perspective" Torrance Memorial Grand Rounds
- August 2011 "Current Challenges in Pediatric Healthcare for Physicians from Central America and the Caribbean" invited speaker and panel participant.
- November 2011, Cedars- January 2012 "Pediatric Cough, Cold and Flu" Pediatric Noon Conference, Sinai Medical Center
- June 2012 Featured speaker on Food Allergies, "Pediatric State of the Art" symposium at Cedars-Sinai Medical Center
- June 2012 "Food Allergies and the Pediatric Population" Invited Speaker for the International Pediatric Symposium at Cedars-Sinai Medical Center.

Research Papers

Research Papers (Peer-Reviewed):

1. Rosenkranz ME** **Schulte DJ****, Agle LMA, Wong MH, Zhang W, Ivashkiv L, Doherty TM, Fishbein MC, Lehman TJ, Michelsen KS, Arditi M. "TLR2 and MyD88 Contribute to Lactobacillus casei Extract-Induced Focal Coronary Arteritis in a Mouse Model of Kawasaki Disease" *Circulation*. 2005;112:2966-2973. (**=Co-first authors)
2. **Schulte DJ**, Comer JA, Erikson B, Rollin PE, Nichol ST, Ksiazek TG, Lehman D, "Congenital Lymphocytic Choriomeningitis Virus: An Underdiagnosed Cause of Neonatal Hydrocephalus" *Pediatr Infect Dis J*. 2006;25(6):560-2.
3. Yilmaz A, Rowley A, **Schulte DJ**, Doherty TM, Schroeder NWJ, Fishbein MC, Kalekar M, Cicha I, Schubert K, Daniel WG, Garlich CD and Arditi M. "Activated Myeloid Dendritic Cells Accumulate and Co-Localize With CD3⁺ T Cells in Coronary Artery Lesions in Patients with Kawasaki Disease" *Exp Molec Path* 2007;83(1):93-103.
4. Chen S, Wong MH, **Schulte DJ**, Arditi M, Michelsen KS. "Differential Expression of Toll-like receptor 2 (TLR2) and Responses to TLR2 Ligands between Human and Murine Vascular Endothelial Cells" *J Endotoxin Res* 2007;13: 281-296

5. Schroder NWJ, Crother TR, Naiki Y, Chen S, Wong MH, Yilmaz A, Slepkin A, **Schulte D**, Alsabeh R, Doherty TM, Peterson E, Nel AE, Arditi M, "Innate Immune Responses during Respiratory Infection with a Bacterial Pathogen Induce Allergic Airway Sensitization" *J Allergy Clin Immunol* 2008 Sep;122(3):595-602.

6. **Schulte DJ**, Yilmaz A, Shimada K, Fishbein M, Lowe EL, Chen S, Wong M, Doherty TM, Lehman T, Crother T, Sorrentino R, Arditi M. "Involvement of Innate and Adaptive Immunity in a Murine Model of Coronary Arteritis Mimicking Kawasaki Disease" *J Immunol* 2009;183 (8) 5311-8.

7. Lee YH, **Schulte DJ**, Shimada K, Chen S, Crother TR, Chiba N, Fishbein MC, Lehman TJA, and Moshe Arditi "IL-1 β is Crucial for Induction of Coronary Artery Inflammation in a Mouse Model of Kawasaki Disease" *Circulation* 2012;125

Research Papers:Peer-Reviewed In Press: NONE

Research Papers:Peer-Reviewed Submitted: NONE

Research Papers (Non-Peer-Reviewed): NONE

Chapters:

Schulte DJ and Cherry JD. "Human Parvovirus B19" In Feigin & Cherry's Textbook of Pediatric Infectious Diseases. 6th edition, Eds Feigin RD, Cherry JD, Demmler-Harrison GJ, Kaplan SL, Saunders Elsevier: Philadelphia, 2009.1902-1920.

Chapters (in press): NONE

Letters to the Editor: NONE

Reviews: NONE

Editorials: NONE

Research Abstracts and Research Oral Presentations:

1. **Schulte DJ**, Van Hoek, A. "The Selectivity of the Water Channel Forming Intrinsic Protein of 28kDa (CHIP 28) of Erythrocytes and Kidney Proximal Tubule". Oral Presentation at American Heart Association Meeting, San Francisco, California. August 1995

2. **Schulte DJ**, Michelsen KS, Zhang W, Rosenkranz ME, Arditi M. "LPS and *Lactobacillus casei* Cell Wall Extract Induced Cytokine Release in Endothelial Cells is Inhibited by IVIG. Implications for the Treatment of Kawasaki Disease". Poster Presentation at St.

Jude/Pediatrics Infectious Diseases Society Pediatric Microbial Research Conference, Memphis, Tennessee. February, 2004.

3. Schulte DJ, Michelsen KS, Zhang W, Rosenkranz ME, Arditi M. Pediatric Academic Societies' Annual Meeting, San Francisco, California. "IVIG Reduces LPS and *Lactobacillus casei* Cell Wall Extract Induced Chemokine and Cytokine Release in Murine Aortic and Human Coronary Artery Endothelial Cells. Implications for Kawasaki Disease". Poster presentation at Society for Pediatric Research Meeting, San Francisco, California, May 2004.

4. Schulte DJ, Michelsen KS, Zhang W, Rosenkranz ME, Arditi M. "Intravenous Immunoglobulin Reduces Lipopolysaccharide and *Lactobacillus casei* Cell Wall Extract-Induced Activation of Aortic and Coronary Artery Endothelial Cells". Oral presentation in the 8th International Kawasaki Disease Symposium, American Heart Association, San Diego, California. February 18, 2005

5. Schulte DJ, Michelsen KS, Zhang W, Rosenkranz ME, Arditi M "Intravenous Immune Globulin Treatment Reduces Lipopolysaccharide- or *Lactobacillus casei* Cell Wall Extract-induced Activation of Proinflammatory Mediators in Endothelial Cells via Toll-Like Receptor 2". Poster presentation at Society for Pediatric Research Meeting, Washington, DC, May 2005.

6. Schulte DJ, Lowe E, Wong M, Chen S, Fishbein MC, Shimada, K, and Arditi M. "The Role of Adaptive Immunity and T cells in a Murine Model of Coronary Arteritis". Oral Presentation, Society for Pediatric Research Meeting, Toronto, May 2007.

7. Schulte DJ, Yilmaz A, Lowe E, Wong M, Chen S, Fishbein M, Shimada K, Crother T, Sorrentino, R, Arditi M "The Role of Innate and Adaptive Immunity in a Murine Model of Coronary Arteritis-Kawasaki Disease". Accepted for Oral Presentation, International Kawasaki Disease Symposium, Taipei, Taiwan, April 2008.

8. Schulte DJ, Yilmaz A, Lowe E, Wong M, Chen S, Fishbein M, Shimada K, Crother T, Sorrentino, R, Arditi M "The Role of B cells, T cells, and Dendritic Cells in a Murine Model of Coronary Arteritis". Oral Presentation, Society for Pediatric Research, Honolulu, Hawaii, May 2008.

9. Chen S, Lee YH, **Schulte DJ**, Zhang W, Shimada K, Crother TR, Fishbein, MC, Lehman TJA, Arditi M "Significant Acceleration of Atherosclerosis Following Lactobacillus Casei Extract-Induced Coronary Arteritis in Mouse Model of Kawasaki Disease". Poster Presentation, Society for Pediatric Research, Denver, Colorado, May 2011