

## Curriculum Vitae

### **GEAGHAN, SHARON MARKHAM**

#### **Current Title and Department:**

2012 - present	Professor Emerita, Departments of Pathology and Pediatrics, Stanford University School of Medicine
2016 - present	Admissions Committee, Stanford University School of Medicine
1992 – 2011	Chief, Pathology Lucile Packard Children’s Hospital at Stanford
1999 – 2011	Co-Director, Clinical Laboratories (Pediatrics) Stanford Hospital and Clinics
2004 – 2011	Director, Stanford Clinical Laboratory at Mary L. Johnson Pediatric Ambulatory Care Center
2007 – 2011	Director, Bass Center for Childhood Cancer and Blood Diseases Laboratory at Lucile Packard Children’s Hospital at Stanford
1992 – 2011	Director, Point of Care Testing Program, Lucile Packard Children’s Hospital at Stanford
1992 – 2001	Director, Clinical Laboratories Lucile Packard Children’s Hospital
1999 – 2000	Interim Medical Director, Clinical Chemistry Stanford Hospital and Clinics
2004 – 2007	Director, Point of Care Testing Program LPCH Satellite Units at El Camino Hospital
2005 – 2007	Director, Point of Care Testing Program LPCH Satellite Unit at Washington Hospital
2002 – 2006	Director, Red Cell Special Studies Laboratory Stanford Hospital and Clinics Laboratory at Hillview

**Home Address:** 144 Seminary Drive  
Menlo Park, CA 94025

**Marital Status:** Married, David Steven Breiner

**Education:**

1985 M.D. Boston University School of Medicine

1980 B.A. Dartmouth College magna cum laude

**Professional Licensure:**

2013 Diplomate, American Board of Pathology, Clinical Informatics

2003 Diplomate, American Board of Pathology, Pediatric Pathology

1997 Diplomate, American Board of Pathology, Hematology

1994 Diplomate, American Board of Pathology, Anatomic Pathology

1993 Diplomate, American Board of Pathology, Clinical Pathology

1987-present California Medical License G60618

**Training and Experience:**

1991-1992 Hematopathology Fellow  
Laboratory Medicine, University of California, San Francisco

1990-1991 Chief Resident  
Laboratory Medicine, University of California, San Francisco

1989-1991 Residency in Laboratory Medicine  
University of California, San Francisco

1986-1989 Residency in Anatomic Pathology  
University of California, San Francisco

1985-1986 Internship in Internal Medicine  
Salem Hospital, Salem, Massachusetts

## **Honors and Awards**

- 1980 Rufus Choate Scholar (top 5% of undergraduates)  
Awarded Two Academic Citations (highest honor awarded for undergraduate coursework)
- 2013 Enid Gilbert-Barness Prize (recognizes the impact of an outstanding pediatric pathology paper on anatomic pathology, clinical practice, research or public health and to encourage excellence and relevance in pediatric pathology practice), Society for Pediatric Pathology
- 2015 Distinguished Colleague Award, Society for Pediatric Pathology

## **Invited Advisory Boards, National and International Committees**

- 2018-present International Federation of Clinical Chemistry, Task Force on Emerging Technologies, Paediatric Laboratory Medicine
- 2018-2020 International Federation of Clinical Chemistry, Organizing Committee 2020 World Lab Symposium, (Seoul, Korea) Emerging Technologies in Paediatric Laboratory Medicine
- 2016 Chair, Search Committee, Editor-in-Chief Pediatric and Developmental Pathology, Society of Pediatric Pathology
- 2012-2018 Center for Disease Control and Prevention Laboratory Medicine Best Practices Workgroup, Office of Surveillance Epidemiology Laboratory Services, Laboratory Science Policy and Program Practice (consecutive terms)
- 2014- 2016 Member-at-Large, American Association of Clinical Chemistry, Critical Care and Point of Care Testing Executive Committee
- 2013-2019 College of American Pathologists Checklist Committee, Laboratory Accreditation Program
- 2010-2016 College of American Pathologists Point of Care Testing Resource Committee
- 2012-2018 Chair, Society of Pediatric Pathology Publications Committee (two terms plus Advisor year)

- 2014-2017 International Federation of Clinical Chemistry, Organizing Committee  
2017 World Lab Symposium, (Durban, South Africa) Paediatric  
Laboratory Medicine
- 2011-2014 International Federation of Clinical Chemistry, Organizing Committee  
2014 World Lab Symposium, (Istanbul, Turkey) Paediatric Laboratory  
Medicine
- 2008-2011 International Federation of Clinical Chemistry, Organizing Committee  
2011 World Lab Symposium, (Berlin , Germany) Paediatric Laboratory  
Medicine
- 2011-2017 International Federation of Clinical Chemistry, Task Force on Paediatric  
Laboratory Medicine
- 2009 - 2015 Chair-elect, Chair, Immediate Past Chair, American Association of  
Clinical Chemistry, Pediatric Maternal Fetal Division Executive  
Committee
- 2000-2012 Advisory Board, Child Health Improvement through Laboratory  
Diagnostics, Department of Pathology, University of Utah, Salt  
Lake City, Utah
- 2012 -2015 Pediatric Reference Interval Task Force, American Association for  
Clinical Chemistry in collaboration with the National Institute of Health's  
National Children's Study Institute

**Honors and Awards:**

- 2019 - 2021 Chair, American Association of Clinical Chemistry Informatics  
Division
- 2018- 2019 Chair-Elect, American Association of Clinical Chemistry Informatics  
Division
- 2017-2019 Secretary, American Association of Clinical Chemistry Informatics  
Division
- 2016 Outstanding Speaker Award  
American Association of Clinical Chemistry
- 2015 Outstanding Speaker Award  
American Association of Clinical Chemistry
- 2014 Outstanding Speaker Award  
American Association of Clinical Chemistry

- 2013 Outstanding Speaker Award  
American Association of Clinical Chemistry
- 2012 Outstanding Speaker Award  
American Association of Clinical Chemistry
- 2012 Keynote, 16<sup>th</sup> Annual Roger Boeckx Memorial Lecture, National  
Children's Medical Center, Washington, D.C., September 21
- 2011 Outstanding Speaker Award  
American Association of Clinical Chemistry
- 2011 Citation for Teaching Excellence, Stanford University School of Medicine,  
Pathology Core Curriculum
- 2010 Selected for the Association of American Medical Colleges' Mid-Career  
Women Faculty Professional Development Seminar, December 11-14,  
Scottsdale, Arizona
- 2012-2013 Chair, American Association of Clinical Chemistry Pediatric Maternal-  
Fetal Division
- 2009-2010 Chair-Elect, American Association of Clinical Chemistry Pediatric  
Maternal-Fetal Division
- 2002 Citation for Teaching Excellence, Stanford University School of  
Medicine, Pathology Core Curriculum
- 2001 Division Award for Excellence in Education, American Association of  
Clinical Chemistry
- 1999 Citation for Teaching Excellence, Stanford University School of  
Medicine, Pathology Core Curriculum
- 1995 Citation for Teaching Excellence, Stanford University School of  
Medicine, Pathology Core Curriculum

### **Editorial Responsibilities**

- 2017-present Associate Editor, Journal of Applied Laboratory Medicine, American  
Association of Clinical Chemistry
- 2014-2018 Editorial Board, Patient Safety Focus, CLN, American Association of  
Clinical Chemistry

*Ad-Hoc Reviewer:*

- Clinical Biochemistry
- Journal of Pediatrics
- Pediatric and Developmental Pathology
- Pediatrics

### **Selected Publications**

Clinical Laboratory Standards Institute (CLSI). Collection of Capillary Blood Specimens. 7<sup>th</sup> ed. CLSI standard GP-42. Clinical Laboratory Standards Institute, USA, 2020.\*

Whitehead NS, Williams L, Meleth, S, Kennedy S, Ubaka-Blackmoore N; Geaghan S, Nichols JH, Carroll P, McEvoy MT, Gayken J, Ernst D, Litwin C, Epner P, Taylor J, Graber ML. Interventions to Prevent Iatrogenic Anemia. A Laboratory Medicine Best Practices Systematic Review. *Crit Care* 2019 08 09;23(1):278.

Vasikaran S, Sikaris K, Kilpatrick E, French J, Badrick T, Osypiw J, Plebani M, Geaghan S. on behalf of the IFCC WG Harmonization of Quality Assessment of Interpretative Comments. Assuring the Quality of Interpretative Comments in Clinical Chemistry. *Clinical Chemistry and Laboratory Medicine. Clin Chem Lab Med.* 2016 Dec 01;54(12):1901-1911.

Geaghan SM. Infection Transmission Associated with Point of Care Testing and the Laboratory's Role in Risk Reduction. *EJIFCC*. 2014 Aug; 25(2): 188–194.  
<http://www.ifcc.org/media/332070/eJIFCC2014Vol25No2pp188-194.pdf>

Geaghan SM. Laboratory diagnostic tools for personalized fetal medicine and improving neonatal outcomes. *Clin Biochem.* 2014 Jun;47(9):702-3.

Geaghan SM. Fetal laboratory medicine: on the frontier of maternal-fetal medicine. *Clin Chem.* 2012 Feb;58(2):337-52.

Geaghan SM. Fetal health assessment in utero by laboratory technologies: clinical benefits, risks and controversies. *Clin Biochem.* 2011 May; 44(7):460.

Geaghan SM. Critical values for the maternal-fetal unit, fetus, infant, child and adolescent: bilirubin reporting practice in North American Children's Hospitals as a paradigm for critical value reporting assessment. *Clin Biochem.* 2011 May; 44(7):483-4.

Geaghan SM. Diagnostic laboratory technologies for the fetus and neonate with isoimmunization. *Semin Perinatol.* 2011 Jun; 35(3):148-54.

Pysher TJ, Bach PR, Geaghan SM, Hamilton MS, Laposata M, Lockitch G, Brugnara C, Coffin CM, Pasquali M. Teaching pediatric laboratory medicine to pathology residents. *Arch Pathol Lab Med.* 2006 Jul;130 (7):1031-8.

Madan A, Kumar R, Adams MM, Benitz WE, Geaghan SM, Widness JA Reduction in red blood cell transfusions using a bedside analyzer in extremely low birth weight infants. J Perinatol. 2005 Jan; 25(1):21-5.

Post AM, Katsikis PD, Tait JF, Geaghan SM, Strauss HW, Blankenberg FG. Imaging cell death with radiolabeled annexin V in an experimental model of rheumatoid arthritis. J Nucl Med. 2002 Oct;43(10):1359-65

Coffin CM, Hamilton MS, Pysher TJ, Bach P, Ashwood E, Schweiger J, Monahan D, Perry D, Rogers BB, Brugnara C, Rutledge J, Weiss R, Ash O, Hill H, Meikle W, Roberts W, Geaghan S. Pediatric laboratory medicine: current challenges and future opportunities. Am J Clin Pathol. 2002 May;117(5):683-90.

Geaghan SM. Hematologic values and appearances in the healthy fetus, neonate, and child. Clin Lab Med. 1999 Mar;19(1):1-37.

Ng VL, Geaghan SM, Leoung G, Shiboski S, Fahy J, Schnapp L, Yajko DM, Hopewell PC, Hadley WK. Lack of effect of prophylactic aerosolized pentamidine on the detection of Pneumocystis carinii in induced sputum or bronchoalveolar lavage specimens. Arch Pathol Lab Med. 1993 May;117(5):493-6.

Fahy JV, Chin DP, Schnapp LM, Steiger DJ, Schaumberg TH, Geaghan SM, Klein JS, Hopewell PC. Effect of aerosolized pentamidine prophylaxis on the clinical severity and diagnosis of Pneumocystis carinii pneumonia. Am Rev Respir Dis. 1992 Oct;146(4):844-8.

Schnapp LM, Geaghan SM, Campagna A, Fahy J, Steiger D, Ng V, Hadley WK, Hopewell PC, Stansell JD. Toxoplasma gondii pneumonitis in patients infected with the human immunodeficiency virus. Arch Intern Med. 1992 May;152(5):1073-7.

Perkocha LA, Geaghan SM, Yen TS, Nishimura SL, Chan SP, Garcia-Kennedy R, Honda G, Stoloff AC, Klein HZ, Goldman RL. Clinical and pathological features of bacillary peliosis hepatitis in association with human immunodeficiency virus infection. N Engl J Med. 1990 Dec 06;323(23):1581-6.

\*Authorship listed on title page

*Full CV with additional teaching and publications available on request*