

## **University of Arizona, Arizona Health Sciences Center & Southern Arizona Veteran's Administration Health Care System Molecular Genetic Pathology Fellowship (ACGME Accredited)**

### **Description of Program and Additional Information:**

The fellowship provides post-doctoral training in molecular pathology to prepare individuals to direct a molecular diagnostics laboratory for clinical or anatomic pathology. Training will include molecular biology theory and applications, laboratory management, clinical consultations, and procedure development. The fellow will gain experience with laboratory robotics, nucleic acid extraction, traditional and real-time PCR, FISH, rep-PCR, SNP analysis, capillary electrophoresis, and karyotyping. Training includes rotations that focus on molecular hematopathology, infectious disease, and oncology with additional rotations in cytogenetics, HLA typing, and biochemical testing. Clinical experiences include pediatric medical genetics, pre-natal and cancer risk genetics counseling. Specialty laboratory experiences potentially include DNA sequencing, gene expression profiling, methylation profiling, proteomics, confocal microscopy, in situ hybridization, laser capture microdissection, mass spectrometry or PCR mass spectrometry. Potential research projects include basic, translational or clinical research with primary focus on hematopathology, infectious disease, or molecular oncology. Manuscript preparation and written and oral presentations are encouraged. Attendance at the annual Association of Molecular Pathology national meeting is supported. The program has affiliations with the Arizona Cancer Center, the Arizona Health Science Center, the Biomedical Research Foundation of Southern Arizona, the BIO5 Institute for collaborative Research, and Veteran's Affairs National Biorepository.

<b>Program Website:</b>	<a href="http://www.ahsc.arizona.edu/pathology/">http://www.ahsc.arizona.edu/pathology/</a>
<b>Requirements:</b>	MD or DO; completed AP/CP or AP residency
<b>Length of Program:</b>	12 months
<b>Application Deadline:</b>	December 1
<b>Visas Accepted:</b>	Please inquire
<b>Additional Contact:</b>	Tammy Umstott, Program Coordinator Department of Pathology University of Arizona 1501 N. Campbell Avenue Tucson, AZ 85724-5108 Tel: (520) 626-3100 Fax: (520) 626-2521 <a href="mailto:umstott@medadmin.arizona.edu">umstott@medadmin.arizona.edu</a>

### **Faculty:**

Ronald Schifman, M.D.  
Michael Trudell, M.D.  
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Natalie N. Whitfield, Ph.D.  
Catherine Spier, MD  
Christopher Cunniff, MD

Monika Schmelz, Ph.D.