

Curriculum Vitae

Paul P. Miller, M.D.
Renal Pathologist
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CONTACT INFORMATION

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CERTIFICATIONS

2022 Board Certified Anatomic and Clinical Pathologist

EMPLOYMENT

2022-Present Arkana Laboratories, Little Rock, Arkansas
Renal Pathologist

EDUCATION

2020-2021 Stanford Hospital, Stanford, California
Renal Pathology Fellow

2017-2022 Stanford Hospital, Stanford, California
AP/CP Pathology Resident

2013-2017 University of California, Davis School of Medicine, Sacramento, California
Doctor of Medicine

2007-2011 University of California, Berkeley, Berkeley, California
Bachelor of Psychology

HONORS AND AWARDS

2022 Pathologist in Training Best Abstract Award, Renal Pathology Society

2020 Pathology Trainee Mentored Award in Precision Health, Award, \$15k. Stanford Hospital

2017 Excellence in Pathology Award, U.C. Davis School of Medicine

2017 Blumenfield Pathology Scholarship, U.C. Davis School of Medicine

2016 Honors, Medicine ICU Acting Internship, U.C. Davis School of Medicine

2015 Honors, Internal Medicine Clerkship, U.C. Davis School of Medicine

- 2015 Honors, Surgery Clerkship, U.C. Davis School of Medicine
- 2014 Letter of Distinction, Pathophysiology, U.C. Davis School of Medicine
- 2015 Letter of Distinction, Systemic Pathology, U.C. Davis School of Medicine
- 2014 Letter of Distinction, Neurology, U.C. Davis School of Medicine
- 2014 Letter of Distinction, Musculoskeletal Course, U.C. Davis School of Medicine

RESEARCH

2020-2022 Department of Pathology, Dr. Vivek Charu MD Ph.D., Stanford University

Project describing the clinical and pathologic outcomes associated with EXT1/EXT2 lupus membranous

2020-2022 Department of Pathology, Dr. Neeraja Kambham MD, Stanford University

Clinicopathologic Features of Non-Lupus Membranous Nephropathy in the Pediatric Population.

2020-Present Department of Pathology, Dr. Megan Troxell MD, Stanford University

A Contemporary Study of Pathologic Kidney Findings in Congenital Heart Disease. Ongoing project with intent to publish in 2022

2019-Present Department of Pathology, Megan Troxell, MD and Scott Boyd MD Ph.D., Stanford University

Ongoing Project Utilizing High-Throughput DNA Sequencing to Elucidate the Pathogenesis of Proliferative Glomerulonephritis with Monoclonal IgG Deposits

2019-2020 Department of Pathology, Megan Troxell, MD and Scott Boyd MD Ph.D., Stanford University

Project describing Stanford's experience with a recently described proliferative glomerulonephritis with monoclonal IgG deposits (PGMID) in pediatric patients

2019-2020 Wang Lab, Gambhir Lab, Stanford University

Robust Machine Learning Assisted Classification of Prostate, Lung, and Renal Cancer Circulating Tumor Cells. Alexander Lozano, PhD. Submitted to symposium AAAI: Applied AI in Healthcare: Safety, Community, and the Environment

2016-2017 Fourth Year Medical School Scholarly Project, Clinical Laboratory, Department of Pathology, UC Davis

Yearlong project studying the effects of CYP metabolism polymorphisms on burn patients culminating in a poster presentation

2014-2015 Motion Analysis Laboratory, Shriner's Hospitals for Children, Sacramento, CA

Research Assistant and Medical Student Research Fellow, implemented a novel index for characterizing gait abnormalities in children with Cerebral Palsy culminating in a poster presentation

PUBLICATIONS

Miller PP, Caza T, Larsen CP, Charu V. EXT1 and NCAM1-associated membranous lupus nephritis in a cohort of patients undergoing repeat kidney biopsies. *Nephrol Dial Transplant.* 2022 Mar 12;gfac058. doi: 10.1093/ndt/gfac058. Epub ahead of print. PMID: 35278072.

Miller P, Lei L, Charu V, Higgins J, Troxell M, Kambham N. Clinicopathologic features of non-lupus membranous nephropathy in a pediatric population. *Pediatr Nephrol.* 2022 Mar 25. doi: 10.1007/s00467-022-05503-7. Epub ahead of print. PMID: 35333973.

Miller P, Xiao AY, Kung VL, Sibley RK, Higgins JP, Kambham N, Charu V, Lenihan C, Uber AM, Talley EM, Arora N, Walavalkar V, Laszik ZG, Nast CC, Troxell ML. Progression of proliferative glomerulonephritis with monoclonal IgG deposits in pediatric patients. *Pediatr Nephrol.* 2020 Oct 12

Noor Joudi 1, Eleanor Levin 2, Paul Miller 3, Koen Nieman^{2,4}, Jack Boyd 5, Yasser Y. El-Sayed 1, Katherine Bianco 1, Abha Khandelwal², Recurrence of Atrial Myxoma in Pregnancy: Successful Intrapartum Management and Postpartum Resection. Accepted for publication by *Journals of the American College of Cardiology.* 2021 Jan.

PRESENTATIONS

- 2022 USCAP Conference Platform Presentation, EXT1 and NCAM1-associated membranous lupus nephritis in a cohort of patients undergoing repeat kidney biopsies.
- 2021 USCAP Conference Poster Presentation, A Contemporary Study of Pathologic Kidney Findings in Congenital Heart Disease
- 2021 USCAP Conference Poster Presentation, Clinicopathologic Features of Non-Lupus Membranous Nephropathy in the Pediatric Population
- 2020 USCAP Conference Poster Presentation, Progression of proliferative glomerulonephritis with monoclonal IgG deposits in pediatric patients
- 2020 CP Transfusion Long Talk, Transfusion in Sickle Cell Disease
- 2019 Stanford Research Retreat Poster Presentation, Progression of proliferative glomerulonephritis with monoclonal IgG deposits in pediatric patients
- 2019 Current Concepts, Regenerative Potential of Induced Pluripotent Stem Cells in the Kidney
- 2018 Current Concepts, APOL1 Kidney Risk Disease Variants

TEACHING

- 2021 Monthly Stanford Nephrology Biopsy Conference
- 2021 Pathology Trainee Biopsy Conference, Focal and Segmental Glomerulosclerosis
- 2017-2021 Facilitator for Stanford Medical Student Labs

QUALITY IMPROVEMENT PROJECTS

- 2020-Present Validating new Congo-red stain
- 2020-Present Peripheral blood smear atlas for resident teaching
- 2019-Present Developing educational slide set for medical kidney pathology
- 2018-Present Improving organization and access to recorded lectures
- 2019-2020 Validating Cellavision for reviewing peripheral blood smears remotely

CLINICAL SERVICE

- 2014-2015 Joan Viteri Memorial Clinic, Sacramento, CA
Co-Director

Mission: To provide free health care services to medically uninsured drug users, sex-workers, and their families with an emphasis on harm reduction.

2014

Klingenstein Foundation Child Psychiatry Summer Program, U.C. Davis School of Medicine

Klingenstein Fellow

Participated in a yearlong child psychiatry program including a selective two-week intensive inpatient experience

LEADERSHIP

2020-Present Trainee Resource Committee Member, Stanford University

Resident-led group with the goal of creating excellent learning materials for residents

2014 – 2017 Klingenstein Fellowship, U.C. Davis School of Medicine

Program Leader - Collaborated with local pediatric psychiatrists to organize and host monthly meeting