

# Medical Student Summer Program UAB-UCSD O'Brien Center 2023



## Potential opportunities

Name of Mentor	Department/ Division	Topic of lab/ Research Projects
<b>Malgorzata Kasztan, PhD</b> <a href="mailto:mkasztan@uabmc.edu">mkasztan@uabmc.edu</a>	Division of Pediatric Hematology & Oncology, Department of Pediatrics	<i>sickle cell kidney disease</i>
<b>Yabing Chen, PhD</b> <a href="mailto:yabingchen@uabmc.edu">yabingchen@uabmc.edu</a>	Molecular and Cellular Pathology; Comprehensive Diabetes Center	<i>Understanding pathogenesis of cardiovascular disease and aging</i>
<b>Zhengrong Guan, PhD</b> <a href="mailto:zhengrongguan@uabmc.edu">zhengrongguan@uabmc.edu</a>	Medicine – Nephrology	<ul style="list-style-type: none"> <li>• Role of S1P in microvascular function and in IR-AKI animals</li> <li>• Reactive oxidative species (ROS), cytokines and inflammation in IR-AKI</li> <li>• Sex differences in renal autoregulation and in renal microvascular injury in IR-AKI</li> </ul>
<b>Carmen De Miguel, PhD</b> <a href="mailto:mdemiguelgarijo@uabmc.edu">mdemiguelgarijo@uabmc.edu</a>	Section of Cardio-Renal Physiology and Medicine Medicine – Nephrology	<i>Understanding the role of inflammation and inflammatory mediators in leading to kidney disease in hypertension and diabetes</i>
<b>Kyle Wood, MD</b> <a href="mailto:kylewood@uabmc.edu">kylewood@uabmc.edu</a>	Department of Urology	<i>Understanding hyperoxaluria in a stone-forming population within UAB</i>
<b>David Pollock, PhD</b> <a href="mailto:davidpollock@uabmc.edu">davidpollock@uabmc.edu</a>	Medicine – Nephrology	<i>The impact of circadian rhythm on regulators of blood pressure and sodium excretion</i>
<b>Subhashini Bolisetty, PhD</b> <a href="mailto:sbolisetty@uabmc.edu">sbolisetty@uabmc.edu</a>	Medicine – Nephrology	<i>Determining the role of ferritins on sepsis-associated acute kidney injury</i>
<b>Javier A. Neyra Lozano, MD</b> <a href="mailto:jneyra@uabmc.edu">jneyra@uabmc.edu</a>	Medicine – Nephrology	<i>AKI risk-classification for management and adaptive trial design</i>
<b>Vineeta Kumar, MD</b> <a href="mailto:vkumar@uabmc.edu">vkumar@uabmc.edu</a>	Medicine – Nephrology	<ul style="list-style-type: none"> <li>• Living Kidney Donation</li> <li>• Incompatible Kidney Transplant</li> </ul>
<b>Lisa M. Curtis, PhD</b> <a href="mailto:lisacurtis@uabmc.edu">lisacurtis@uabmc.edu</a>	Medicine – Nephrology	<i>Transgender kidney health</i>
<b>Ravikumar Majeti, PhD</b> <a href="mailto:mnvrkumar@ua.edu">mnvrkumar@ua.edu</a>	UA - Tuscaloosa	<i>Drug delivery</i>
<b>Palaniappan Sethu, PhD</b> <a href="mailto:psethu@uabmc.edu">psethu@uabmc.edu</a>	Medicine – Cardiovascular Disease	<i>Bioengineering approaches to create human tissue chip models of various tissues including the kidney development of a 3D module of the renal proximal tubule for potential use in disease modeling and drug toxicity testing</i>
<b>Anna Sorace, PhD</b> <a href="mailto:asorace@uabmc.edu">asorace@uabmc.edu</a>	Department of Radiology and Biomedical Engineering	<i>Quantitative imaging strategies to monitor kidney disease</i>
<b>Julie Kanter, MD</b> <a href="mailto:jkanter@uabmc.edu">jkanter@uabmc.edu</a>	Medicine – Hematology & Oncology	<i>sickle cell disease</i>
<b>Paul Sanders, MD</b> <a href="mailto:psanders@uab.edu">psanders@uab.edu</a>	Medicine – Nephrology	<i>Mechanisms of disease progression in the kidney</i>

The summer program will involve **primarily research**, but will **also include opportunities** to engage with nephrologists and kidney researchers to improve your awareness of the field and grow your network.

For more information, please visit

<https://www.uab.edu/medicine/obriencenter/education/student-training>