

Medical Student Summer Program

UAB-UCSD O'Brien Center 2025



Potential opportunities

Name of Mentor	Department/ Division	Topic of lab/ Research Projects
Carmen De Miguel, PhD cdemigue@uab.edu	Medicine – Nephrology	<i>The role of inflammation in kidney disease associated with hypertension, diabetes and high oxygen supplementation.</i>
Javier A. Neyra Lozano, MD jneyra@uabmc.edu	Medicine – Nephrology	<i>Applications of AI in critical care nephrology: acute kidney injury risk-classification and management / improvement of dialysis deliverables</i>
Jin Chen, PhD jinchen@uab.edu	Medicine – Nephrology	<i>Applications of AI in critical care nephrology: acute kidney injury risk-classification and management / improvement of dialysis deliverables</i>
Lisa M. Curtis, PhD lisacurtis@uabmc.edu	Medicine – Nephrology	<ul style="list-style-type: none"> • <i>Modeling kidney health and disease in transgender individuals</i> • <i>Sex differences in kidney injury</i>
Jake Chen, PhD jakechen@uab.edu	Genetics, Computer Science, and Biomedical Engineering	<i>“AI application to kidney diseases”, using bioinformatics, AI/ML, large language models, data integration, and/or predictive modeling techniques</i>
Jennifer Pollock, PhD jenniferpollock@uabmc.edu	Medicine – Nephrology	<i>Immune cell regulation and hypertension</i>
Abolfazl Zarjou, MD, PhD azarjou@uabmc.edu	Medicine – Nephrology	<i>Iron metabolism in kidney health and disease</i>
Sylvie Mrug, PhD sylva@uab.edu	Psychology	<i>Early life stress and cardiovascular outcomes in young adulthood</i>
Subhashini Bolisetty, PhD subhashini@uab.edu	Medicine – Nephrology	<i>Molecular mechanisms of kidney injury and repair</i>
Timmy Lee, MD txlee@uab.edu	Medicine – Nephrology	<i>Understanding the mechanisms of AVF maturation failure and cardiac remodeling after AVF creation using rodent models and in vitro models</i>
James Odum, MD jdodum@uabmc.edu	Pediatrics	<i>Mechanisms of sepsis and acute kidney injury in pediatrics from the bedside-to-bench and back again</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>