

The 1st Vanderbilt Translational Renal pathology Workshop, January 22-24th, 2020

About the Course

The Vanderbilt O'Brien Kidney Center is organizing a 2.5-day, comparative renal pathology workshop-including analysis of CKD, diabetic kidney disease, FSGS and AKI in mice and man, with didactic and hands-on training in qualitative and quantitative renal pathology. Dr. Agnes Fogo and Dr. Haichun Yang from the Division of Renal Pathology at Vanderbilt University Medical Center have developed a virtual slide-based workshop to train pre-clinical investigators on the fundamentals of human and experimental renal pathology, focusing on similarities and differences between human disease and the pre-clinical mouse models used to study human disease. The focus of the workshop will be to train investigators to understand the relevance of experimental models of human disease and to understand how to interpret and quantify histological findings using these models so they can bring this expertise back to their own institutions. Four topic areas (diabetic kidney disease; focal segmental glomerular sclerosis; acute kidney injury; and chronic kidney disease) will be covered, with the goal to train pre-clinical investigators to recognize: a) patterns of renal injury; b) similarities and differences between human and mouse models of kidney disease, as well as species and strain differences in renal pathology seen using different experimental models; and c) to be able to quantify cell specific pathologic changes using the appropriate histological staining. The format of the workshop will include lectures covering basic background about the human diseases, the mouse models used, the quantitative methods used to evaluate them, alternating with hands-on interactive training using computer-based virtual slides to illustrate the pathologies being discussed. Each student will be required to bring their own laptop.

Application and Fees-Vanderbilt Translational Renal pathology Workshop

Course application will open in the summer of 2019, and will be available for a maximum of 12 attendees. Attendees will be selected based on their background experience and needs. Those that are not selected for the first year will be shortlisted for the following year if required. For further information please contact Suzanne Galford at: suzanne.c.galford@vumc.org.

Fees

Materials, including a workshop manual and Aperio ImageScope software, breakfasts, snacks, lunches and one evening meal are included in the application fees.

Fees for academia: \$450

Fees for Industry: \$900