OSU CMIF/MSR Special Webinar

Clarifying Tissue Clearing

Douglas Richardson, PhD
Director at Harvard Center for Biological Imaging
Dec 1, 2020 @ 2pm EST.

Join Zoom Meeting:
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Biological specimens are intrinsically three dimensional; however, because of the obscuring effects of light scatter, imaging deep into a tissue volume is problematic. Although efforts to eliminate the scatter by “clearing” the tissue have been ongoing for over a century, there have been a large number of recent innovations. This webinar introduces the physical basis for light scatter in tissue, describes the mechanisms underlying various clearing techniques, and discusses several of the major advances in light microscopy for imaging cleared tissue. (Cell: Volume 162, Issue 2, 2015).

Dr. Richardson is the Director at the Harvard Center for Biological Imaging, and since 2016 a Lecturer in Harvard’s Department of Molecular and Cellular Biology. Dr. Richardson received his PhD from the Department of Pathology and Molecular Medicine at Queen’s University (Canada) in the field of cancer cell biology. Following his graduate studies, he continued to refine his skills as an Alexander von Humbolt post-doctoral fellow in the lab of Professor Stefan Hell (Nobel Prize in Chemistry, 2014) at the Max Planck Institute for Biophysical Chemistry.

Sample: Mouse Brain & Spinal Cord