

BiophysTO Lunchtime Talks

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New Initiatives in Combinatorial Microscopies: From Single Molecules to Developmental Events

Recent developments in microscopy have enabled powerful insights into local molecular, cellular, and tissue-level structure and dynamics. Our lab has been focusing on the development and application of several combinatorial microscopy platforms, including super-resolution, light sheet/selective plane illumination, and full-field optical coherence tomography. The application of these tools to studies of biomolecular self-assembly, membrane receptor self-association, protein-protein interactions, and developmental processes will be described. A number of the key technical challenges that underpin these approaches will similarly be discussed.

Host: Dr. Walid A. Houry

(Refreshments and pizza will be provided)

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Thursday, February 11, 2016 – 12:00 pm, noon
Davenport Room, Chemistry Building
(and via streaming to Davis Building 4001 UTM)