

BIOCHEMISTRY AND MOLECULAR BIOLOGY SEMINAR SERIES

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Professor of Chemistry

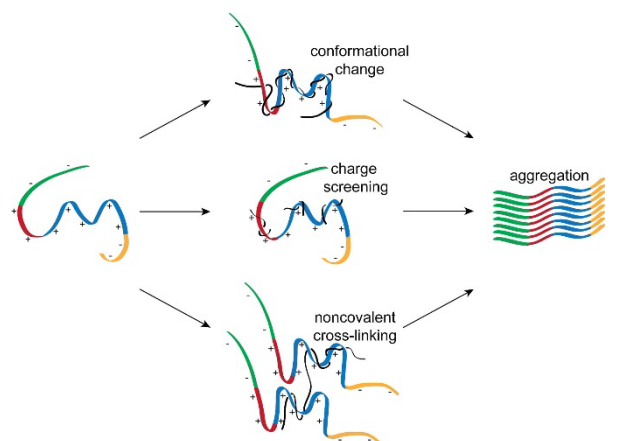
Co-Chair, Biochemistry Undergraduate Major Program

University of Pennsylvania



It takes tau to tangle: Functional studies of a dysfunctional protein

Tau is an intrinsically disordered neuronal protein which is thought to have a role in stabilizing axonal microtubules. We are interested in understanding the Tau's functional mechanisms as relevant to the unique properties of axonal microtubules. We have identified Tau's proline rich region as a primary binding site for tubulin. Using a combination of single molecule fluorescence and other biophysical approaches, we provide a model which contrasts binding properties of the proline rich region and the microtubule binding region. Moreover, we characterize how post-translational modifications to the proline rich region alter its function.



Wednesday, March 26th • 4:00 PM

Science Center Room 200

Light snacks and drinks will be provided

*Sponsored by: Biochemistry & Molecular Biology Program,
EPACC, Chemistry Department, Biology Department*

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