

# MaD for Single Molecules: New Techniques in Detection and Imaging



A 1-day Workshop co-hosted by Saint Louis University and PicoQuant, highlighting Macromolecular Dynamics (MaD) for single molecules using Forster Resonance Energy Transfer (FRET) and Fluorescence Lifetime Imaging (FLIM).



## Workshop Schedule:

9-9:30 am:	Registration and coffee
9:30-9:45 am	Welcome
9:45-10:30 am	<p>"Small quantum dots for nanometer accuracy and resolution on molecular motors and living neurons"</p> <p>Paul Selvin, Ph.D. University of Illinois-Urbana</p>
10:30-11:15 am:	<p>"State-of-the-art time-resolved single molecule measurements with the MicroTime 200"</p> <p>Volker Buschmann, Ph.D. PicoQuant GmbH</p>
11:15 am-12 pm:	<p>"Visualizing protein function at the single molecule level"</p> <p>David Millar, Ph.D. Scripps Research Institute</p>
12-1:15 pm:	Group Picture and Lunch
1:15-2:00 pm:	<p>"Mechanisms of eukaryotic transcription initiation"</p> <p>Eric Galburt, Ph.D. Washington University</p>
2:00-2:30 pm:	Short Student/Postdoc Presentations
2:30 pm:	Closing Remarks
4-5 pm:	Optional tour and Microtime demonstration

**Info & Registration:** [biochem.slu.edu/workshop/workshopindex2014.shtml](http://biochem.slu.edu/workshop/workshopindex2014.shtml)

**Thursday, December 11, 2014**  
9 am – 5 pm

**Il Monastero**  
**St. Louise de Marillac Room**  
**3050 Olive St.**  
**St. Louis, MO 63103**