

**GUEST SPEAKER:
PROFESSOR JENNIFER PRESCHER
UNIVERSITY OF CALIFORNIA,
IRVINE
CHEMISTRY, MOLECULAR BIOLOGY
& BIOCHEMISTRY**

**ORGANIC SEMINAR
FRIDAY, NOVEMBER 13, 2015
9:00 A.M.
HUTCHISON HALL 473
UNIVERSITY OF ROCHESTER
DEPARTMENT OF CHEMISTRY**



“EXPANDING THE IMAGING TOOLBOX”

Abstract: Imaging tools have revolutionized our understanding of living systems by enabling researchers to “peer” into tissues and cells and visualize biological features in real time. While powerful, these probes have been largely confined to monitoring cellular behaviors on a microscopic level. Visualizing cellular interactions and functions across larger spatial scales—including those involved in cell migration to distant tissues, immunosurveillance, and other biological processes—remains a daunting task. My research group is developing general toolsets to image such macroscopic cellular networks and behaviors, and our efforts are focused in two areas: generating novel bioluminescent probes and developing new bioorthogonal chemistries for imaging in vivo.



Host: Professor Rudi Fasan, email: fasan@chem.rochester.edu