



CHICAGO SECTION
AMERICAN CHEMICAL SOCIETY
MONTHLY PROGRAM MEETING

106th Willard Gibbs Award Ceremony and Lecture

Prof. Judith Klinman

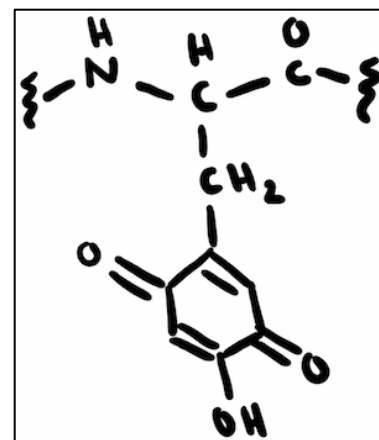
University of California - Berkeley

"C-H Activation, Quantum Tunneling, and New Ways of Looking at Enzyme Catalysis"

FRIDAY, MAY 19, 2017

Meridian Banquets, 1701 Algonquin Rd., Rolling Meadows 60008

ABSTRACT: Our ability to understand and design potent catalysts lies squarely at the interface of biology and chemistry. In particular, the enormous rate accelerations of enzyme-catalyzed reactions make them ideal subjects for advancing this topic. Yet, despite over half a century of inquiry, *de novo* design has failed to produce new enzyme catalysts that approximate the properties seen in Nature. This talk will focus on emergent properties that necessitate the incorporation of QM tunneling and protein motions as a central paradigm in enzyme function.



PROGRAM

- 6:00 – 7:00 PM Registration and reception with *hors d'oeuvres* and two complimentary drinks
7:00 – 8:30 PM Dinner
8:30 – 8:45 PM ACS Award Ceremony
- A History of the Willard Gibbs Award, by Fran Kravitz, Chicago Section Chair
 - Introduction of Professor Klinman by Brian Hoffman, Northwestern University
 - Presentation of the Willard Gibbs Medal by Peter Dorhout, President-Elect of the ACS
- 8:45 – 9:30 PM Willard Gibbs Lecture by Prof. Klinman

Dinner is \$50 for ACS members, \$52 for non-members. Lecture w/o dinner is free with registration.

Dinner Registration Deadline: 12:00 Noon on Tuesday, May 16

Lecture-only Registration Deadline: 12:00 Noon Thursday, May 18

REGISTRATION AND DETAILS AT: <http://chicagoacs.org/meetinginfo.php?id=119>

QUESTIONS? Phone 847-391-9091 or email chicagoacs@ameritech.net