

Jennifer M. Schomaker



University of Wisconsin-Madison

Jennifer began her research career at The Dow Chemical Company in Organic Chemicals and Polymers, later moving to Ag Chemicals Process Research, where she participated in the route selection and scale-up campaigns for two new herbicides. She obtained her Ph.D. with Professor Babak Borhan at Michigan State University in 2006 before moving to UC-Berkeley as an NIH postdoctoral fellow in the labs of Professors Robert G. Bergman and F. Dean Toste. She joined the faculty at UW-Madison in 2009, where her research focuses on new methods for catalyst-controlled, tunable chemo- and site-selective C-H functionalization, new reactivity for first-row transition metals and the application of allene aziridination to the synthesis of complex molecules. She is the recipient of an NSF-CAREER award, Sloan Fellowship, ACS-WCC Rising Star Award and an MSU Distinguished Alumni Award.



Louis Barriault



University of Ottawa

Louis Barriault was born in Armagh, Québec, Canada in 1970. He received his B. Sc. (chemistry) in 1993 at the University of Sherbrooke. He pursued in Ph. D. studies under the supervision of Prof. Pierre Deslongchamps at the same institution where he worked on transannular Diels-Alder reaction. After completing his doctorate in 1997, he joined the group of Professor Leo A. Paquette at the Ohio State University (OSU) as a FCAR postdoctoral fellow where he completed the total synthesis of (-)-polycarveroside A. In May 1999, he accepted a position as Assistant Professor at the University of Ottawa where he has been promoted to Full Professor (2010). His research involves the development of novel strategies using tandem pericyclic reactions to construct complex bioactive natural products. Louis received the prestigious John Polanyi Award in Chemistry (2000) and the Premier's Research Excellence Award (2002) from the Ontario government. Other prestigious accolades such as the Ottawa Life Science Michael Smith Award (2002), Boehringer Ingelheim Young Investigator Award (2002), University of Ottawa Young researcher of the year (2005), University of Ottawa excellence in education award (2005), and Merck Research Laboratory academic development (2006 and 2007). Recently, Louis was appointed University Research Chair in Synthetic Organic Chemistry (2006-).

Tomislav Rovis



Colorado State University

Tomislav Rovis was born in Zagreb in the former Yugoslavia but was largely raised in Southern Ontario, Canada. Following his undergraduate studies at the University of Toronto, he earned his Ph.D. degree at the same institution in 1998 under the direction of Professor Mark Lautens. From 1998-2000, he was an NSERC postdoctoral fellow at Harvard University with Professor David A. Evans. In 2000, he began his independent career at Colorado State University and was promoted in 2005 to Associate Professor and in 2008 to Professor. His group's accomplishments have been recognized by a number of awards including an NSF CAREER and a Roche Excellence in Chemistry award. He has been named a GlaxoSmithKline Scholar, Amgen Young Investigator, Eli Lilly Grantee, Alfred P. Sloan Fellow, Monfort Professor at Colorado State University, Fellow of the American Association for the Advancement of Science, Katritzky Young Investigator in Heterocyclic Chemistry, and an Arthur C. Cope Scholar. He currently holds the John K. Stille Chair in Chemistry.



Professor Emeritus, Leo A. Paquette

Leo A. Paquette was born in Worcester, Massachusetts. He received his B.S. degree from Holy Cross College in 1956 and his Ph.D. in Organic Chemistry from MIT in 1959. After serving as a Research Associate at the Upjohn Company from 1959 to 1963, he joined the faculty of The Ohio State University. He was promoted to full professor in 1969, held the Kimberly Professorship from 1981-1987 and was named Distinguished University Professor in 1987.

A member of the National Academy of Sciences since 1984, Dr. Paquette has been a Visiting Professor at institutions across the United States and Europe. He has served in an advisory capacity for advisory committees of the National Institutes of Health and the National Science Foundation, and has been a member of the editorial boards of numerous publications including the Journal of Organic Chemistry, Journal of the American Chemical Society, Organic Syntheses, Organic Reactions, and as the head editor of the Electronic Encyclopedia of Organic Reagents (eEros).

Dr. Paquette's other honors include Sloan Fellow, Guggenheim Fellow, ACS Award for Creative Work in Synthetic Organic Chemistry, Arthur C. Cope Scholar Award of the ACS, the S.T. Li prize for Science and Technology and he was chosen as the Centenary Lecturer of the Royal Chemical Society, just to name a few. He has been a fellow of the Japanese Society for the Promotion of Science, and has been selected to serve as the Plenary Lecturer for more than a dozen international conferences. He is also the recipient of an honorary doctorate from his alma mater.

According to a nominator for one of his many awards, Dr. Paquette's prolific career has resulted in remarkable contributions to numerous areas of relevance in the broad field of organic chemistry, including synthesis and properties of unusual molecules, natural products total synthesis, new synthetic methodology, rearrangement processes and stereoelectronic control. In the field of hydrocarbon chemistry, Dr. Paquette is best known for achieving the first total synthesis of the Platonic solid dodecahedrane in 1982, which still stands as one of the landmark achievements in the history of organic synthesis and hydrocarbon chemistry.

Meet and Greet with Leo Paquette in CBEC Lobby 12:30-1:30 p.m.

1:30-1:35 Opening Remarks for Paquette
Legacy Symposium, 130th CBEC

1:35-2:25 Professor **Jennifer Schomaker**

*"Catalyst-controlled and flexible strategies for
the synthesis of complex amine scaffolds"*

2:30-3:20 Professor **Louis Barriault**

*"Harvest in the Natural Product and Gold
Catalysis Gardens"*

3:25-3:35 Break

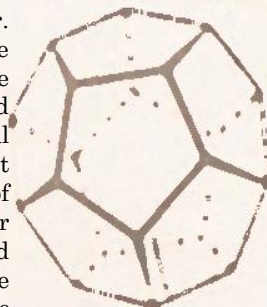
3:35-4:25 Professor **Tomislav Rovis**

"Rh(III) Catalysis for C-H Activation"

Reception following Lectures
In CBEC Lobby
151 W. Woodruff Avenue

For information on the lecture:

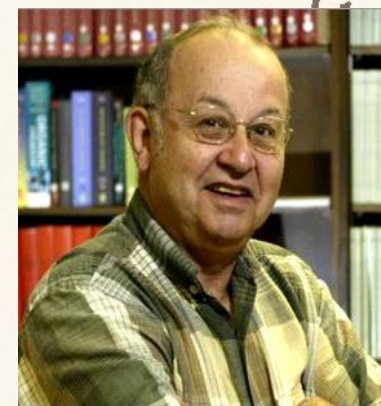
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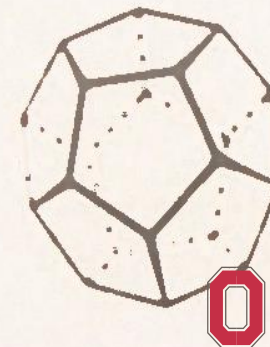
DEPARTMENT OF
CHEMISTRY AND BIOCHEMISTRY

2016 Leo Paquette Legacy Symposium

May 6, 2016



Featuring:
Jennifer Schomaker, University of
Wisconsin-Madison
Louis Barriault, University of Ottawa
Tomislav Rovis, Colorado State
University



THE OHIO STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES