47th Euchem Conference on Stereochemistry
Brunnen, April 29 - May 4, 2012

President: Andreas Pfaltz
Vice-President: Luisa De Cola
Guest of Honor: Albert Eschenmoser

Roger Y. Tsien
SUNDAY Evening Session – Moderator: Jeremy K. M. Sanders
Building molecules to image electric fields and guide therapy

Frank Glorius
MONDAY Morning Session – Moderator: Clément Mazet
Stories on design & surprise: C-H activation, asymmetric arene hydrogenation and NH$_2$ organocatalysis

Vý Dong
MONDAY Evening Session – Moderator: Gerard Van Koten
A few of my favorite rings: Catalysis inspired by lactones and lactams

Luisa De Cola
TUESDAY Morning Session – Moderator: Bernd Giese
Functional structures by self-assembly. Properties and applications

Sarah E. O’Connor
TUESDAY Evening Session – Moderator: Mohammad Movassaghi
Elucidation, evolution and mechanistic analysis of natural product pathways

Virginia Cornish
WEDNESDAY Morning Session – Moderator: Bernhard Kräutler
Expanding the synthetic capabilities of the cell

Paul A. Wender
TOWARD transformative therapies and the ideal synthesis: strategies to eradicate AIDS, treat Alzheimer’s disease and overcome resistant cancer

Bernhard Jaun
WEDNESDAY Evening Session – Moderator: Mohammad Movassaghi
Probing the catalytic mechanism of methyl-coenzyme M reductase, the key enzyme of methane formation and functionalization by archaea

Milan Mrksich
THURSDAY Morning Session – Moderator: Luisa De Cola
Label-free screening for the discovery of chemical and biochemical reactions

Douglas W. Stephan
FRIDAY Morning Session – Moderator: Jieping Zhu
Frustrated lewis pairs: a new avenue to small molecule activation and catalysis

Stefan Grimme
THURSDAY Evening Session – Moderator: Shu Kobayashi
Dispersion interactions in chemistry from a DFT perspective

Ei-ichi Negishi
Zr-Catalyzed Asymmetric Carboalumination of Alkenes (ZACA). Its recent development

Takashi Ooi
FRIDAY Evening Session – Moderator: Jieping Zhu
Molecular design of organic ion pairs for asymmetric catalysis

Thomas R. Ward
Artificial metalloenzymes: recent progress and challenges