



EUCHEM Conference on Stereochemistry Brunnen, Switzerland

'Bürgenstock Conference'

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40th Euechem Conference on Stereochemistry Bürgenstock, April 16-22, 2005

President: **Alain Krief**
Vice-President: **Bernhard Kräutler**
Guest of Honor: **Sir Jack E. Baldwin**

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| Jonathan Clayden Charles Mioskowski | SUNDAY Morning Session – Moderator: Ehud Keinan Synthesis and stereocontrol with lithiated amides High-throughput screening for the selection of bioactive natural products by immunoanalysis. Total synthesis of Norbadiene A |
| David E Cane | SUNDAY Evening Session – Moderator: Koji Nakanishi The biochemical and structural basis of the programming of polyketide biosynthesis: destiny or free will? |
| Guy C Lloyd-Jones Keiji Maruoka | MONDAY Morning Session – Moderator: Jérôme Lacour Isotopic desymmetrisation in the study of metal-mediated processes Design of C ₂ -symmetric chiral phase transfer catalysts as truly efficient organocatalysts for practical asymmetric synthesis |
| Paul Knochel | MONDAY Evening Session – Moderator: Bernhard Breit Stereo- and chemoselective syntheses with polyfunctional organometallics |
| Ian A Wilson Thomas Carell | TUESDAY Morning Session – Moderator: Don Hilvert HIV-1 and 1918 influenza virus: antigenic structure, neutralization, and vaccine design DNA repair on an atomic level |
| Klaus Müllen Masahiro Irie | WEDNESDAY Morning Session – Moderator: Klaus Müller From benzene to molecular electronics Photochromism of diarylethenes: from single crystals to single molecules |
| Catherine L Drennan | WEDNESDAY Evening Session – Moderator: Bernhard Kräutler Crystallographic snapshots of metalloproteins in action |
| Mikiko Sodeoka John Louis Wood | THURSDAY Morning Session – Moderator: Ian Fleming Development of intracellular signal transduction modulators Bridged polycyclic natural products: inspirational targets for total synthesis |
| David A Evans | THURSDAY Evening Session – Moderator: Léon Ghosez Control of stereochemical relationships in the assembly of organic structures |