



# EUCHEM Conference on Stereochemistry Brunnen, Switzerland

## 'Bürgenstock Conference'

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### 37th ESF/Euchem Conference on Stereochemistry Bürgenstock, April 13 - 19, 2002

President: **Lia Addadi**  
 Vice-President: **Jan-E Bäckvall**  
 Guest of Honor: **Helmut Schwarz**

<b>Dorit Hanein</b>	SUNDAY Morning Session – Moderator: <b>Jack D Dunitz</b> Deciphering the structure of biological machines at the leading edge of motile cells
<b>Avi Minsky</b>	Ordered assemblies and phase transitions in living systems: the ultimate stress response
<b>Steve Weiner</b>	SUNDAY Evening Session – Moderator: <b>Steve Weiner</b> Introduction
<b>Jeremy R Young</b>	Coccolith biomineralization – morphological complexity from biological modification of anisotropic mineral nucleation and growth
<b>Mark Lautens</b>	MONDAY Morning Session – Moderator: <b>Jan-E Bäckvall</b> New metal-promoted reactions and their utility in organic synthesis
<b>Siegfried Blechert</b>	Domino-metathesis and more
<b>Takuzo Aida</b>	MONDAY Evening Session – Moderator: <b>Mike McBride</b> Bio-inspired approaches to materials science with nanoscopic objects and chiral motifs
<b>David A Tirrell</b> <b>Thomas V O'Halloran</b>	TUESDAY Morning Session – Moderator: <b>Don Hilvert</b> From new amino acids to new supramolecular architectures The inorganic chemistry of the cell: mechanisms of the metalloregulatory and metallochaperone proteins
<b>István Markó</b>	WEDNESDAY Morning Session – Moderator: <b>Jay Siegel</b> Development of novel methodologies for the efficient synthesis of complex natural products
<b>Dieter Enders</b>	New methods for the asymmetric synthesis of bioactive compounds
<b>Amir H Hoveyda</b>	WEDNESDAY Evening Session – Moderator: <b>Andrea Vasella</b> Problems in asymmetric catalysis: catalyst discovery, selectivity & practicality
<b>Samuel I Stupp</b> <b>Galen D Stucky</b>	THURSDAY Morning Session – Moderator: <b>Meir Lahav</b> Materials through self-assembly and templating Organizing system component domains in composite materials: synthesis, structure, and function
<b>Ruth Duncan</b>	THURSDAY Evening Session – Moderator: <b>Helmut Ringsdorf</b> Polymers, from plastics to polymer therapeutics?