



**Swiss Chemical Society -
Syngenta Symposium 2015**

**Chirality – Upsides for Chemical
Innovation**

Thursday October 15, 2015

Syngenta Research Center Stein, Switzerland

Auditorium WST-810.E.75

Chirality – Upsides for Chemical Innovation

Morning Session/ Session 1:

Chairman: Prof. Peter Kündig, SCS President (University of Geneva)

08:00 *Registration*

08:45 *Welcome and Opening Remarks*

Dr. Gerardo Ramos, Head Crop Protection R&D, Syngenta

09:00 *Plenary Lecture 1* – Prof. Ben Feringa (University of Groningen, NL)

Exploring Chiral Space beyond the Molecule

09:45 *Invited Lecture 1* - Prof. Oliver Trapp (University of Heidelberg, D)

Coulomb Explosion Imaging of (R,R)-2,3-Dideuterooxirane and Unambiguous Access to the Absolute Configuration of (+)-Glyceraldehyde

10:15 *Coffee Break*

10:45 *Invited Lecture 2* - Dr. Alexander Mayweg (Roche, Basel, CH)

Chirality in Medicinal Chemistry: Crucial or Curse?

11:15 *Invited Lecture 3* - Dr. Christoph Taeschler (Lonza, Visp, CH)

Process development aspects for L-Carnitine

11:45 *Plenary Lecture 2* - Prof. Manfred Reetz (University of Marburg, D)

Directed Evolution of Stereoselective Enzymes: A Prolific Source of Catalysts for Asymmetric Reactions

12:30 *Lunch and Poster session (room E-20-22)*

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Afternoon Session/ Session 2:

Chairman: Dr. Alain De Mesmaeker, Principal Fellow, Syngenta Crop Protection R&D

14:00 **Plenary Lecture 3** – Prof. Scott Miller (Yale University, USA)

Searching for Selective Reactions on Complex Molecular Scaffolds

14:45 **Invited Lecture 4** – Dr. Eric Francotte (Novartis, Basel, CH)

Exploiting the Chiral Recognition Power of Natural Polysaccharides for Large Scale Separation of Stereoisomers

15:15 **Invited Lecture 5** – Dr. Edouard Godineau (Syngenta, Stein, CH)

Chirality in Agrochemicals

15:45 **Invited Lecture 6** – Prof. Jérôme Lacour (University of Geneva, CH)

On the Use of Stereogenic Nitrogen Atoms

16:15 **Coffee Break**

16:45 **Plenary Lecture 4** - Prof. Eric Jacobsen (Harvard University, USA)

Anion-Binding Catalysis

17:30 **Closing Remarks**

Dr. Camilla Corsi, Head Chemical Research R&D, Syngenta

17:45 **Aperitif**



SCS
Swiss Chemical
Society

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Dr. Jérôme Cassayre

Dr. Mathilde Lachia

Dr. Alain de Mesmaeker

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