



GESELLSCHAFT DEUTSCHER CHEMIKER

# Wissenschaftsforum **Chemie** 2009

30. August – 2. September 2009 · Frankfurt am Main

## **Symposium der Liebig-Vereinigung** INDUSTRIAL ORGANIC SYNTHESIS

**Tuesday, 1. September 2009**

**Chairman: Dr. Henning Pripke, Boehringer-Ingelheim, Biberach**

14:20 – 14:40

Dr. Stefan Löbbecke, Fraunhofer ICT, Pfinztal  
**Continuous Processes Employing Microstructured Reactors for Hazardous Syntheses**

14:40 – 15:00

Dr. Günter Linz, Boehringer Ingelheim, Biberach  
**Synthesis of the CGRP-Receptor Antagonist BIBN 4096 – From Milligram- to Kilogram-Scale without Chromatography**

15:00 – 15:20

Dr. Andreas Leitner, BASF, Evans City, USA  
**OrganoZinc Compounds in Process Chemistry: Paradigm Shift in Cross Coupling Technology**

15:20 – 15:40

Dr. Mark Ford, Bayer CropScience, Frankfurt  
**Agrochemical Process Research: Searching for the holistic solution!**

16:20 – 16:40

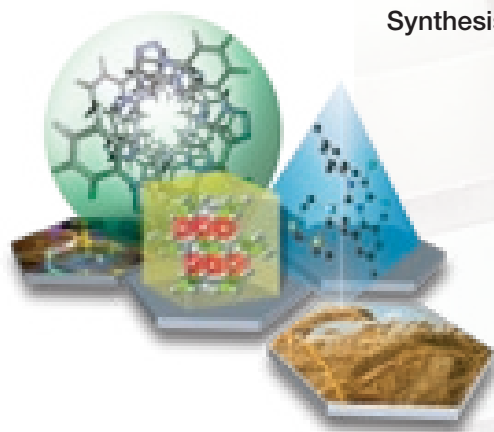
Dr. Jürgen C. Roos, Evonik Degussa GmbH, Hanau  
**Successful Implementation of Biocatalytic Processes at Industrial Scale**

16:40 – 17:00

PD Dr. Heiner Jendralla, Sanofi-Aventis, Frankfurt  
**Industrial Scale Enantioselective Synthesis of a 1,3-Aminoalcohol With Three Chiral Centres. Unprecedented Four-Component Mannich Reaction With Crystallization-Driven Dynamic Resolution**

17:00 – 17:20

Dr. Jan Haller, Novasep, Leverkusen  
**Safe Utilization of Extremely Energetic Intermediates: Shortening an Azidospermidine Synthesis from Five to Two Steps**



Organization: Dr. H. Pripke

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