

Zing | Natural Products Conference Jolly Beach Resort, Antigua 10 - 13 January 2008

Conference Programme

Thursday 10 January

17:30 - 19:00 **Session 1**

Opening remarks

Andrew Myers, Harvard

Synthetic Studies of Avrainvillamide Lead to Identification of a Novel Protein Target Implicated in Cancer Progression

Craig Townsend, Johns Hopkins

Understanding Iterative Type I Polyketide Biosynthesis, Nature's Molecular Synthetic Machines

19:00 Poolside dinner reception

Friday 11 January

6:30 - 08:30 Breakfast

8:30 - 10:30 **Session 2**

David Sherman, Michigan

Chemical Diversity and Enzymatic Versatility of Marine Natural Product Assembly

Rebecca Goss, UEA

Increasing Biodiversity Harnessing Biosynthesis to Enable Rapid Generation of Novel Halogenated Natural Products

John Leonard, AstraZeneca, Macclesfield

Synthetic Routes for Manufacture of ZD6126: a Colchicine Based Anti-Cancer Drug

Gemma Veitch, Cambridge

The First Synthesis of Azadirachtin

10:30 - 12:30 Beachside poster session

12:30 - 16:30 Lunch, networking + free time

16:30 - 18:10 Session 3**William Gerwick, UCSD**

Analytical and Genetic Approaches to Determine the Sources of Natural Products from Complex Assemblages of Species

Malcolm McLeod, ANU

Enantioselective total synthesis of (-)-Dactylolide

Gordon Florence, St Andrews

Towards the Synthesis of Chamuvarinin

Mercedes Alvarez, Barcelona

Total Synthesis of Marine Natural Products Using Pd (0) Catalyzed Cross-Coupling Reactions as Key Step

18:10 - 18:30 Networking + refreshment break

18:30 - 19:30 Session 4**Takeshi Takahashi, Tokyo Institute of Technology**

Solid- and Solution-Phase Synthesis for Natural Product Library

Matthew Gaunt, Cambridge

New Catalytic Strategies for the Chemical Synthesis of Natural Products

19:30 Dine-around (choice of hotel restaurant)

Saturday 12 January

06:30 - 08:30 Breakfast

08:30 - 10:30 Session 5**John Vederas, Alberta**

Bacteriocins: Antimicrobial Peptides From Bacteria and their Synthetic Analogs

Johan Van der Eycken, Ghent

Towards the Synthesis of (+)-Peloruside-A

Susan Gibson, Imperial College London

A Quest for Secondary Structure in Chiral Dendrimers

David Knight, Cardiff

Development and Applications of 5-endo Cyclisations

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10:30 - 11:00 Networking + refreshment break

11:00 - 12:30 **Session 6**

Peter Leadlay, Cambridge

TBC

Manuela Tosin, Cambridge

Novel Non-Hydrolysable Malonyl and Methylmalonyl-Coenzyme A Analogues for Trapping Intermediates of Polyketide Biosynthesis

Speaker, To be arranged

12:30 - 17:30 Lunch, networking + free time

17:30 - 19:30 **Session 7**

Richard Tillyer, Merck, Rahway

Catalytic Asymmetric Hydrogenation: A Platform Technology for Drug Synthesis

Alison Findlay, Cambridge

Studies Towards the Total Synthesis of Spirangien A

Victor Snieckus, Queen's

Directed ortho Metalation - Initiated Strategies: The New Zing in Synthetic Aromatic Chemistry

Edward Anderson, Oxford

Development of a Tandem Palladium-mediated Cross-coupling / Electrocyclisation Approach to Fused Bi- and Tricyclic Rings

19:30 Beachside group dinner

Sunday 13 January

06:30 - 08:30 Breakfast

08:30 - 10:00 **Session 8**

Rolf Müller, Saarbrücken

On the Potential of Combining Genomics with Myxobacterial Natural Products Chemistry

Erik Van der Eycken, Leuven

Microwave-Assisted Synthesis of New (-)-Steganacin and (-)-Steganone Aza Analogues and 3-Benzazepinones

Uli Kazmeier, Saarland

Stereoselective Peptide Modifications as Versatile Tools in Peptide and Natural Product Synthesis

Speaker, To be arranged

10:30 - 11:00 Networking + refreshment break

11:00 - 12:30 **Session 9**

Marcus Kalesse, Hannover

The Total Syntheses of Hexacyclinic Acid, Chlorotonil and Tedanolide

Jef De Brabander, UT – Southwestern

Natural Products: Opportunities for Discovery

Closing remarks

12:30 Lunch, networking + departures
