



INTERNATIONAL CONFERENCE ON NATURAL PRODUCTS AND HEALTH

September 5-7, 2013, Singapore

Website: www.nph2013.org

Email: nph2013@ntu.edu.sg

Session 1: Keynote

Sep 5th, Thursday, 1600-1750

1600-1630

1630-1710

Staffan Kjelleberg

1710-1750

Jean Martinez

Opening Ceremony

University of New South Wales, Australia

Microbial Biofilms and Bioactives

IBMM, France

Chair of IBMM Session and Keynote

1750-1930

Opening Reception

End of Day 1

Session 2: Biology and Disease

Sep 6th, Friday, 0900-1000

Chair: Alex Law (TBC)

0900-0925

Peter Preiser

0925-0950

Jean Paul Thiery

NTU, Singapore

Topic to be determined

NUS, Singapore

Identification of epithelial mesenchyme transitioned carcinoma and potential therapeutic strategies

0950-1020

Tea Break

Session 3: Chemistry and Bioengineering

Sep 6th, Friday, 1020-1225

Chair: Jean Martinez

Co-organized with IBMM, University of Montpellier, France

1020-1045

Frédéric Lamaty

IBMM, France

A sustainable approach to the synthesis of peptides

1045-1110	Pascal Dumy	IBMM, France Multivalent systems for image-guided surgery & smart targeting delivery
1110-1135	Florine Cavelier	IBMM, France Neurotensin analogue design: stability and affinity improvement for in vivo analgesic activity
1135-1200	Gilles Subra	IBMM, France Bioorganic-inorganic materials and polymers from hybrid alkoxysilane-peptides building blocks
1200-1225	Muriel Amblard	IBMM, France Helical diversity in foldamers based on a constrained bicyclic β -amino acid

1225-1400 Lunch + Poster Presentation

Session 4: Plant and Nutrition
Sep 6th, Friday, 1400-1550
Chair: Nam-Hai Chua
Co-organized with Temasek Lifesciences Laboratory

1400-1410	Nam-Hai Chua	Introduction by Chair
1410-1435	Jang In-Cheol	TLL, Singapore Transcriptome mining and functional characterization of genes for steviol glycosides biosynthesis in Stevia
1435-1500	Jian Ye	TLL, Singapore Topic to be determined
1500-1525	Jun Xu	Wilmar, China Effects of dietary medium-chain triglycerides on mouse microbiome
1525-1550	Sarojam Rajani	TLL, Singapore Develop plant systems for the sustainable production of valuable chemicals

1550-1630 Tea Break + Poster Presentation

Session 5: Chemical Biology
Sep 6th, Saturday, 1630-1745
Chair: Chiba Shunsuke (TBC)

1630-1655	Philip E. Dawson	The Scripps Research Institute, USA Structure based design Hepatitis C virus immunogens
1655-1720	Peter W. Schiller	University of Montreal, Canada

1720-1745 **Chuan-Fa Liu**

Opioid peptide-derived drug candidates for treatment of chronic pain and mitochondrial dysfunction

NTU, Singapore

Topic to be determined

End of Day 2

Session 6: Structure and Functions

Sep 6th, Saturday, 0900-1040

Chair: Gerhard Grüber (TBC)

0900-0925 **Daniela Rhodes**

NTU, Singapore

Structure of active dimeric human telomerase

0925-0950 **Pär Nordlund**

Karolinska Institutet, Sweden

Topic to be determined

0950-1015 **Julien Lescar**

NTU, Singapore

Towards the design of specific α -amylase inhibitors: crystallographic structure at 1.2- \AA resolution of a 30 amino-acid peptide inhibitor

1015-1040 **Robert S. Hodges**

University of Colorado Denver, USA

Transmission of stability control information along a two-stranded α -helical coiled-coil and implications for function

1040-1115 **Tea Break + Poster Presentation**

Session 7: Omics and Animal Models

Sep 7th, Saturday, 1115-1255

Chair: Wan Jing Hong (TBC)

1115-1140 **Peter Dedon**

MIT, USA

Cells respond to xenobiotic exposure by reprogramming tRNA modifications for codon-biased translation of response proteins: a code of codons for cellular stress response

1140-1205 **Newman Siu Kwan Sze**

NTU, Singapore

Degenerative protein post-translational modifications in human disease and ageing

1205-1230 **Jianzhu Chen**

MIT, USA

Polymeric Inhibitors of Influenza Viruses

1230-1255 **Alex Matter**

A*STAR, Singapore

New trends in targeted anti-cancer therapies

1255-1400	Lunch + Poster Presentation
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Session 8: Natural Products and Drug Design
Sep 7th, Saturday, 1400-1605 (TBC)
Chair: John D. Wade
Co-organized with Australian Peptide Association

1400-1425	Paul Alewood	University of Queensland Toxin disulfide bond mimetics
1425-1450	Kini R Manjunatha	NUS, Singapore Design and development of short and potent inhibitors of thrombin
1450-1515	Hendrik Luesch	University of Florida, USA Marine cyanobacterial natural products as starting points for drug discovery
1515-1540	Roger Beuerman	DUKE-NUS, Singapore Xanthones as a platform for pharmaceutical development
1540-1605	Wan Jing Hong (TBC)	ASTAR, Singapore Topic to be determined

1630-1730	Tea Break + Best Poster Award Ceremony
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