

Programme NNPC 2019

Sunday, June 9th

18:00-19:00 Arrival/registration/posters P1-14 up

19:00-21:00 Icebreaker/dinner

Monday, June 10th

8:00-9:00 Breakfast

9:00-9:10 Welcome and Introduction: Elín & Kristín & Elvar

Session 1

Chair: **Berit Smestad Paulsen**

9:10-10:00 IL1 **Deniz Tasdemir**: *Integrated metabolomics and mass spectrometry imaging in marine drug discovery and chemical ecology*

10:00-10:20 L1 **Henrik Toft Simonsen**: *Molecular networking as tool for discovering anti-parasitic compounds from seaweed*

10:20-10:40 L2 **Maria Sofia Costa**: *Creation of diverse microbial libraries for drug discovery using MALDI-TOF MS / IDBac*

10:40-11:00 Morning Coffee

Session 2

Chair: **Christian Wold**

11:00-11:20 L3 **Thomas Ø. Larsen**: *Chemistry of fish killing microalgal toxins in genus *Prymnesium**

11:20-11:40 L4 **Elvar Örn Viktorsson**: *Antileukemic and antimicrobial phenazine 5,10-dioxides - iodinin, myxin and their derivatives*

11:40-12:00 L5 **Arnheiður Eypórsdóttir**: *Production of antimicrobial compounds by marine bacteria*

12:00-13:00 Lunch

Session 3

Chair: **Anders Backlund**

13:00-13:50 IL2 **Paul Cos**: *Is there a future for natural products as anti-infective agents?*

13:50-14:10 L6 **Dan Stærk**: *High-resolution bioactivity profiling combined with LC-HRMS/NMR analysis reveals anti-hyperglycemic and antibacterial diterpenes in Australian *Eremophila* species*

14:10-14:30 L7 **Yi Lu**: *Discovering valuable lipids of mosses from Iceland by UPLC-ESI-QTOF-MS based lipidomic approach*

14:30-14:50 L8 **Sigrún Þorleifsdóttir** (Genís): *Application of chitin derivatives – challenges in characterization and analysis*

14:50-15:10 L9 **Sebastian Oddsson**: *Structure-based dual-target lead discovery against acetylcholinesterase and the $\alpha 7$ nicotinic acetylcholine receptor: From in silico studies to in vitro confirmation*

15:10-15:50 Coffee and **Poster Session A: P1-P14**

Session 4Chair: **Dan Stærk**

- 15:50-16:10 L10 **Nina Rønsted**: *Using herbarium collections as a source of comparative chemical data over time and space*
- 16:10-16:30 L11 **Louise Isager Ahl**: *Structural polysaccharide composition of Aloe species correlates with growth habit rather than phylogeny or medicinal use*
- 16:30-16:50 L12 **Maonian Xu**: *Ethnolichenology of Iceland Moss (Cetraria islandica): DNA barcoding, chemotaxonomy, phylogeography and future perspectives*
- Leisure time*
- 19:00- *Dinner*

Tuesday June 11th8:00-9:00 *Breakfast* **Posters P1-14 down and P15-27 up****Session 5**Chair: **Thomas Ø. Larsen**

- 9:00-9:20 L13 **Anders Backlund**: *Chemography and the biological activity of natural products*
- 9:20-9:40 L14 **Søren Bak**: *Triterpenoid saponin structure-activity relationships: biological activity, ecological function and evolution*
- 9:40-10:00 L15 **John Sørensen**: *Lichen polyketide synthases – lost in translation: Challenges with heterologous expression in Aspergillus oryzae*
- 10:00-10:20 L16 **Xinhui Wang**: *Characterization of the 3-methyl orsellinic acid biosynthetic pathway in Aspergillus nidulans*
- 10:20-10:40 L17 **Karin Steffen**: *Integrating metabolome and microbiome along a depth gradient in sponges*
- 10:40-11:00 *Morning Coffee*
- 11:00-14:00 *Visit to Flúðasveppir including lunch*

Session 6Chair: **Kristín Ingólfssdóttir**

- 14:00-14:30 IL3 **Guðmundur Hrafn Guðmundsson**: *Induced expression of antimicrobial peptides to fight infections*
- 14:30-14:50 L18 **Karolina Subko**: *Genomics driven discovery and engineering of fungal polycyclic polyketides*
- 14:50-15:10 L19 **Björn Lárus Örvar** (Co-founder and CSO of Orf Genetics): *Bioengineered barley; novel production platform for human proteins*
- 15:10-15:50 *Coffee and **Poster Session B: P15-P27***

Session 7Chair: **Nina Rønsted**

- 15:50-16:10 L20 **Kenneth Kongstad**: *Feeding filamentous fungi with halogens – Discovering new natural products from halotolerant, endophytic fungi*
- 16:10-16:30 L21 **Már Másson**: *Effect of molecular weight on the antimicrobial activity of chitosan and chitosan derivatives*

Leisure time

19:30- *Conference dinner – poster awards*

Wednesday June 12th

8:00-9:00 *Breakfast*

Session 8 **Chair: Elvar Örn Viktorsson**

9:00-9:20 L22 **Helle Wagensteen**: *Berry phenolics influence glucose uptake in human liver and skeletal muscle cells*

9:20-9:40 L23 **Sankar Rathiman**: *Comparative SAR study of common chitosan derivatives: synthesis, characterization, and evaluation of antimicrobial activity*

9:40-10:00 L24 **Nanna Hjort Vidkjær**: *The honey bee pollen diet investigated by MS and NMR based metabolomics – floral resource variations and phytochemical fate in hive pollen stores*

10:00-10:20 *Morning Coffee*

Session 9 **Chair: Már Másson**

10:20-10:40 L25 **Christian Wold**: *Immunomodulatory polysaccharides from *Inonotus obliquus* (Chaga) and their interaction with pattern recognition receptors*

10:40-11:00 L26 **Eva Arnspang Christensen**: *Effect of falcarindiol and falcarinol purified from carrots on inflammation and cancer*

11:00-11:20 L27 **Natalia Kowal**: *Did we have enough evidence to describe galantamine as an allosteric modulator of nicotinic receptors?*

11:20- 11:30 **Closing remarks**

11:30- 12:15 *Lunch*

12:30 *Bus departure*