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Brief participant talks

- 15.00 - 15.15 *Karl Lohner* (Austrian Academy of Sciences, Graz) Multiple membrane interaction sites of antimicrobial (lipo)peptides
- 15.15 - 15.20 *Alberto Pallavicini* (University of Trieste) How many defence peptides in *Mytilus* spp?

Coffee break with posters

Chair: *Renato Gennaro* (University of Trieste)

Brief participant talks

- 16.30 - 16.45 *Davor Juretić* (University of Split) In silico search strategies for finding new AMPs
- 16.45 - 17.00 *Lorenzo Dalla Valle* (University of Bologna) Beta-defensins in the soft-shelled turtle *Apalone spinifer*
- 17.00 - 17.15 *Anton Polyansky* (University of Vienna and Russian Academy of Sciences) Conformational dynamics study of lantibiotics-lipid II interactions.
- 17.15 - 17.30 *Antonello Romani* (Surgery O.U., University Hospital Parma) A Novel Therapeutic Agent Against Gram-Negative Infections In Cystic Fibrosis
- 17.30 *Hans-Georg Sahl* (University of Bonn, NAM project) Closing remarks



OULUN YLIOPISTO
UNIVERSITY OF OULU



New Antimicrobials Workshop

in Trieste, 25-26.5.2012

New Compounds & New Strategies for Antimicrobials

Presentation Hall, University of Trieste
Interpreting and Translation School, Via Filzi 14, Trieste

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DEGLI STUDI DI TRIESTE



Friday 25th May

- Session 1** Chair: *Alessandro Tossi* (University of Trieste)
09.00 – 09.20 *Anna Maria Pirttilä* (University of Oulu, NAM project coordinator) Opening address
09.20 – 9.50 *Gerald Bills* (Fundación MEDINA, Granada) Endophytic fungal antibiotics: discovery, profiles and mechanisms of action
9.50 – 10.20 *William M. Shafer* (Emory University School of Medicine, Atlanta) How bacteria modulate their susceptibility to AMPs - implications for anti-infective development and pathogenesis
10.20 – 10.40 *Mysore V. Tejesvi* (University of Oulu, NAM project) Antimicrobial peptides from endophytes

Coffee break

- Chair: *Anna Maria Pirttilä* (University of Oulu)
11.10 – 11.40 *Delphine Destoumieux* (CNRS, Montpellier) AMPs from marine invertebrates
11.40 – 12.10 *Margherita Sosio* (NAICONS scarl, Milan) From discovery to development of novel antibiotics at NAICONS
12.10 – 12.30 *Pere Picart* (University of Bonn, NAM project) Piceasin 3 - a new plant defensin isolated from *Picea glauca*

Lunch

- Session 2** Chair: *Maria Luisa Mangoni* (University of Rome, La Sapienza)
14.00 – 14.30 *Ralf Hoffmann* (University of Leipzig) Optimization of insect-derived antimicrobial peptides to treat systemic bacterial infections
14.30 – 15.00 *Marco Scocchi* (University of Trieste, NAM project) The PRAMP story - towards an understanding of translocation and activities of Proline-rich AMPs
15.00 – 15.30 *Heike Brötz-Oesterhelt* (University of Düsseldorf) Lipopeptides with novel antibacterial mechanisms or target binding modes

Coffee with posters

- Session 2 (cont.)** Chair: *Margherita Zanetti* (University of Udine)
17.00 – 17.30 *Maria Luisa Mangoni* (University of Rome, La Sapienza) Short membrane-active peptides from amphibian skin to fight microbial pathogens
17.30 – 18.00 *Lidia Feliu* (University of Girona) Antimicrobial peptides for plant protection

Saturday 26th May

- Session 3** Chair: *William M. Shafer* (Emory University School of Medicine)
09.00 – 9.30 *Gregor Anderluh* (National Institute of Chemistry Slovenia) Looking at peptides' and proteins' adventures on membranes using surface plasmon resonance
09.30 – 10.00 *Alessandro Tossi* (University of Trieste, NAM project) Breach or passage - on the multiple modes of antibacterial action of mammalian AMPs
10.00 – 10.30 *Francesca D'Este* (University of Udine) Cathelicidin effects on host cells: on the multiple functions of AMPs

Coffee break

- Chair: *Ralf Hoffmann* (University of Leipzig)
11.00 – 11.30 *Francesca Bernardini* (Polyphor Ltd, Allschwil CH) From the natural antimicrobial peptide Protegrin-1 to a novel class of anti-Pseudomonas antibiotics
11.30 – 12.00 *Ana Veiga* (University of Lisbon) Correlating molecular biophysics and microbiology using AMPs
12.00 – 12.30 *Tania Schneider* (University of Bonn, NAM project) Cell wall-directed actions of AMPs

Lunch

- Session 4** Chair: *Tatiana Ovchinnikova* (Shemyakin-Ovchinnikov Inst., Russian Acad. Sci.)
14.00 – 14.30 *Chiara Falciani* (SetLance SRL, Siena) The branched antimicrobial peptide M33. A new drug against Gram-negative bacteria?
14.30 – 15.00 *Karoline Sidelmann Brinch* (Novozyme A/S, NAM project) Non-medical applications for AMPs

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