



UNIVERSITÀ DEGLI STUDI DI NAPOLI
FEDERICO II

“Molecular Aspects of Host/Microbe dialogue”

TOLLerant 4th Meeting



Sponsored by IEIIS



Napoli 5th to 7th June, 2017

Meeting Venue: Università di Napoli Federico II

“Complesso dei SS. Marcellino e Festo”

Address: Largo S. Marcellino, 10 – Napoli

Organizing Committee: Alba Silipo, Francesco Peri, Flaviana Di Lorenzo,
Roberta Marchetti



Monday June 5th

17:00 - 20:00 **Networking and social activity**

20:00 **Dinner**



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Tuesday June 6th

- 09:00 – 9:15** **Opening: Alba Silipo and Francesco Peri**
- The molecular code of lectin/sugar interactions**
- 09:15 – 10:00** **Cristina Nativi, University of Florence, Italy**
Antigens Multivalent Presentation to Immunesystem
- 10:00 – 10:45** **Niels-Christian Reichardt; CIC-biomaGUNE, Bilbao, Spain**
Parasite Glycans as Lead Structures for Dendritic Cell Targeting.
- 10:45 – 11:15** **Coffee Break**
- 11:15 – 12:00** **Javier Rojo, Spain**
Glycodendritic systems to inhibit DC-SIGN-dependent pathogen-cell interactions
- The molecular code of TLR/ligands interactions**
- 12:00 – 12:45** **Koichi Fukase, University of Osaka, Japan**
Chemical synthesis of immunologically relevant prokaryotic and eukaryotic glycoconjugates
- 12:45 – 13:30** **Grisha Pirianov, Anglia Ruskin Cambridge University, UK**
A novel synthetic molecules negatively regulate in vitro and in vivo haematopoietic and non-haematopoietic vascular toll like receptor 4 signalling in response to sterile inflammation
- 13:30 – 14:45** **Lunch**
- 14:45 – 15:30** **Francesco Peri, University of Milano-Bicocca**
Recent achievements on the study of TLR4 modulation by natural and synthetic molecules: an update on TOLLerant network activity
- 15:30 – 16:15** **Jerrold Weiss, University of Iowa (USA)**
Novel insights and speculations concerning molecular requirements for MD-2/TLR4 activation and antagonism
- 16:15 – 16:45** **Coffee Break**
- 16:45 – 18:25** **ESR presentations (Slideshow 10 minutes/ESR)**
- 20:30** **Dinner**



The molecular code of TLR/ligands interactions

- 09:00 – 09:45** **M. L. Bernardini, University of Rome – La Sapienza**
PAMPs and PRRs: the hide and seek of pathogens and the immune system
- 9:45 – 10:30** **R. Jerala, University of Ljubljana, Slovenia**
New mechanisms of regulation of MyD88-mediated signaling in innate immunity.
- 10:30 – 11:15** **F. Di Lorenzo, University of Naples, Italy**
Chemistry and Immunity of lipopolysaccharides
- 11:15 – 11:45** *Coffee Break*
- 11:45 – 12:30** **Thomas Huser, University of Bielefeld, Germany**
Imaging live cell receptor dynamics with super-resolution fluorescence microscopy
- 12:30 – 13:15** **Sonsoles Martin Santamaria, CIB-CSIC, Madrid, Spain**
The Computational Perspective into the Host/Microbe Dialogue
- 13:15 – 13:45** **ESR presentations** (*Slideshow 10 minutes/ESR*)
- 13:45 – 14:00** *Closing Remarks*
- 14:00-15.00** *Lunch*

