

Tokyo and co-founder of PeptiDream, was the guest speaker of the event. In particular, the event has been organized the afternoon of the 25th, immediately after the closing of the Italian meeting and before the welcome dinner organized for the participants of the COST meeting. The event has been participated by a large number of people especially those arrived for the COST meeting.

In the frame of the Meeting also a core group meeting, MC meeting, working meetings of respective WGs took place. A social dinner was organized the 27/06 for all participants.

This very successful COST action was strongly promoted to the broad local and international scientific community also thanks to the other meeting (100 participants) conference and the special event organized by the Tuscany Region and the District of Technological transfer.

Prof. Cristina Nativi



(Local organizer)

- 12:20-12:40** Amelia Rauter (P)
Bridging Glycochemistry and Medicinal Chemistry towards the generation of new leads for age-related diseases
- 12:40-13:00** Francesco Peri (I)
Results from collaborations in MultiGlycoNano COST action on chemical modulation of TLR4 signaling
- 13:00-14:30** **Lunch**
- Chairperson:** **Tamis Darbre**
- 14:30-14:50** Carmen Galan (UK)
Fluorescent Nano-Tools for Glycoscience
- 14:50-15:10** Roland Pieters (NL)
Optimizing carbohydrate ligands for the inhibition of disease-linked lectins
- 15:10-15:30** Vanessa Porkolab (F)
HIV Uptake mechanism mediated by C-type lectin receptors

Flash Presentation

- Chairperson:** **Alfonso Iadonisi**
- 15:30-15:35** Anne Mueller (D)
Synthesis of glycosylated PEG-particles for cellular adhesion studies
- 15:35-15:40** Kristian Hollingsworth (UK)
The synthesis of a maltose responsive switch
- 15:40-15:45** Massimo Manuelli (I)
Macrophage activation mediated by iron oxide magnetic nanoparticles coated with a stable alfa-Tn antigen mimetic
- 15:45-15:50** Melis Sardan (TK)
Supramolecular Amphiphilic Glycopeptide Nanosystems and Their Effect on Chondrogenic Differentiation
- 15:50-15:55** Luis Filipe (P)
Conformational preferences of glycopeptide dendrimers: a computational study
- 15:55-16:20** **Coffee break**
- Chairperson:** **Barbara La Ferla**
- 16:20-16:40** Javier Breccia (Argentina)
Enzymatic glycosylation of phenolic and polyphenolic compounds
- 16:40-17:00** Vladimir Kren (CZ)

Chemo-enzymatic synthesis of LacdiNAc dimers as novel galectin ligands

17:00-17:20 Monika Poláková (SK)

Synthetic glycoconjugates for various biological studies

17:20-17:40 Sara J. Richards (UK)

My talk will be entitled: Glycosylated Nanomaterials: Neutralisation and Detection of Bacteria and Toxins

17:40-18:00 Tohomás Branson (NL)

Cholera toxin; friend or foe?

18:00-18:20 José Garcia Fernandez (ES)

Preorganization of functional elements and multivalency. Consequences in DNA, lectin and glycosidase recognition

18:20-18:40 Stefania Ordanini (I)

New DC-SIGN ligands with a rigid core of controlled length

18:40-20:00 **Poster Session**

20:30 **Dinner**

Friday 27th

Chairperson: **Olivier Renaudet**

9:00-9:50 Bart Jan Ravoo (University of Muenster)

Synthetic lectins obtained from dynamic covalent chemistry

9:50-10:10 Tamis Darbre (CH)

Glycopeptide dendrimers as inhibitors of Pseudomonas aeruginosa biofilms

10:10-10:30 Stefan Oscarson (IE)

Protective epitopes and multivalency in microbial glycan vaccines

10:30-10:50 Miguel Machuqueiro (P)

Interaction of antibacterial sugar-based surfactants with lipid bilayers: a computational approach

10:50-11:10 Oscar Francesconi (I)

Synthetic receptors for carbohydrates: preorganized or adaptive?

11:10-11:30 **Coffee Break**

Chairperson: **Antonio Baptista**

11:30-11:50 Giovanni Baldi (Colorobbia, Italia)

A new nanotheranostic platform for the treatment of cancer

11:50-12:10 Marco Marradi (ES)
Gold nanoparticles as carriers of small carbohydrate antigens, iminosugars, Gd-complexes and fluorescent dyes: Glyconanotechnology at work

12:10-12:30 Sebastian Vidal (F)
Glycoclusters against Pseudomonas aeruginosa bacterial infection: From design to applications in vivo

12:30-12:50 Jani Rahkila (FI)
Conformational studies on immunostimulatory glycoclusters

12:50-14:30 **Lunch**

Chairperson: Aloysius Siriwardena

14:30-14:50 Marija Gavrovic-Jankulovic (RS)
The Recognition of Man9 by Banana Lectin and Griffithsin, a Comparative In Silico Study

14:50-15:10 Marie Monestier (F)
Glycoconjugates targeted to the liver: lectin's recognition for copper chelators delivery

15:10-15:30 Francesco Sansone (I)
Calixarenes, Cyclodextrins, Nanoparticles: happily together for multivalent targeting and drug delivery

15:30-16:30 **Poster session**

17:00-23:30 **Social event** - *San Quirico D'Orcia tour and Dinner at Palazzo Chigi*

Saturday 28th

9:00- 10:30 **WGs Meetings**

10:30-11:00 **Closing remarks**

11:00- 12:30 **MC Meeting**

12:45 Lunch

Departure