

## NOVEL *IN VITRO* METHODS FOR ASSESSING HUMAN INNATE RESPONSES AT THE MUCOSAL LEVEL

### Monday September 12<sup>th</sup>, 2016

- 09.00-09.30 **Welcome and introduction**  
Diana Boraschi - Consiglio Nazionale delle Ricerche, Italy
- 09.30-10.00 **Additive bioprinting in novel mucosal cell-based models**  
Colin Wilde - AvantiCell Science, UK
- 10.00-10.30 ***In vivo* vs. *in vitro* models, advantages and drawbacks**  
Diana Boraschi - Consiglio Nazionale delle Ricerche, Italy
- 10.30-11.00 **Macrophage memory in mucosal tissues**  
Paola Italiani - Consiglio Nazionale delle Ricerche, Italy
- 11.00-11.30 *Coffee break*
- 11.30-12.15 **Novel biomaterials for *in vitro* tissue models**  
Matteo Santin - University of Brighton, UK
- 12.15-13.00 **Organ-on-chip: microfluidic systems for mucosal stress sensing**  
Peter Ertl - Technische Universität Wien, Austria
- 13.00-14.30 *Lunch*
- 14.30-15.00 **Allergy models *in vivo* and *in vitro***  
Albert Duschl - Paris Lodron Universität Salzburg, Austria
- 15.00-15.45 **Delivery across barriers, the use of *in vitro* models**  
Claus-Michael Lehr - Universität des Saarlandes, Germany
- 15.45-16.15 *Coffee break*
- 16.15-17.15 **General discussion**
- 20.30 *Networking dinner at "Antica Latteria" - Vico Il Alabardieri 30, Napoli, Italy*

### MEETING VENUE

Consiglio Nazionale delle Ricerche - Istituto di Biochimica delle Proteine  
Via Pietro Castellino 111, 80131 Napoli, Italy

Organization and  
Graphic project by:

ALTA

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### Tuesday September 13<sup>th</sup>, 2016

- 09.00-09.30 **Innate immune reactivity in an *in vitro* model of pulmonary inflammation**  
Gergö Sipos (HUMUNITY Fellow, ESR2) - Consiglio Nazionale delle Ricerche, Italy
- 09.30-10.00 **Modelling colon innate immunity *in vitro***  
Elfi Töpfer (HUMUNITY Fellow, ESR3) - AvantiCell Science, UK
- 10.00-10.30 **Gut inflammation: an *in vitro* system to assessing innate immune responses**  
Mariusz Madej (HUMUNITY Fellow, ESR4) - Consiglio Nazionale delle Ricerche, Italy
- 10.30-11.00 *Coffee break*
- 11.00-11.30 **Inflammatory diseases**  
Paola Migliorini - Università degli Studi di Pisa, Italy
- 11.30-12.00 **Mucosal innate immunity and diseases of the lung**  
Ilaria Puxeddu - Università degli Studi di Pisa, Italy
- 12.00-14.30 *Lunch*
- 14.30-16.00 **Discussion: future perspectives on *in vitro* mucosal models**  
Chair: Albert Duschl - Paris Lodron Universität Salzburg, Austria
- 16.00-16.30 *Coffee break*
- 16.30-18.00 **Supervisory Board Meeting (Closed session)**
- 18.00 **End of the meeting**

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