

# UNIVACFLU and IMMUTRAIN joint WORKSHOP

Organized by:

Maria Rescigno

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Hosted by:



Sponsored by:



**UNIVACFLU**  
UNIVERSAL FLU VACCINE - Marie Curie ITN



# Advanced Immune Bio-Imaging

February 8-10, 2017

Campus IFOM-IEO, Milan, Italy

Gerhard Schütz  
TU Wien

Tatiana Petrova  
University of Lousanne

Vincent van Unen  
Leiden University Medical Center

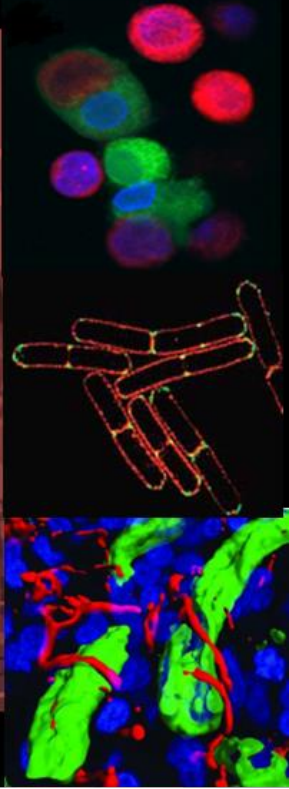
Linda Klavinskis  
King's College

Guy Shakhar  
Weizmann Institute of Science

Rosa Maria Moresco  
San Raffaele Scientific Institute

Mirela Kuka  
San Raffaele Scientific Institute

Imaging Unit  
IFOM



# Program - Advanced Immune Bio-Imaging Workshop

The **Advanced Immune Bio-Imaging** workshop- Milan, 8-10 Feb 2017- is an educational event curated by Professor Maria Rescigno that brings together experts in the field of advanced imaging, with a particular focus on imaging the immune system. The workshop is a joint effort of two Marie Curie consortia of the European Union (IMMUTRAIN and UNIVACFLU).

IMMUTRAIN is a training network that brings together experts in the fields of monoclonal antibodies, dendritic cells, T-cells and immunomodulatory nucleic acids. The overall goal of IMMUTRAIN is to enhance the efficacy of antibody-based therapies through combination with synergistic immunotherapeutic approaches.

UNIVACFLU is a training platform that harnesses the expertise of the most accomplished vaccine researchers, developers and regulators in Europe. The UNIVACFLU network aims at providing a significant advancement towards the generation of a universal mucosal vaccine for influenza virus.

Wednesday, 8<sup>th</sup> February 2017

## Microscopy technique session (only for trainees)

		Location
14:30- 15:00	Welcome and Introduction <b>Maria Rescigno</b>	Meeting room
15:00-15:45	Introduction and confocal microscopy <b>Imaging Unit</b>	Meeting room
15:45-16:30	Optical sectioning techniques <b>Imaging Unit</b>	Meeting room
16:30- 17:00	<i>Coffee break</i>	
17:00-17:45	Visualizing colocalization <b>Imaging Unit</b>	Meeting room
17:45-19:00	«One-slide introduce yourself» with aperitivo	Meeting room

Thursday, 9<sup>th</sup> February 2017

## Advanced bio-imaging in research

		Location
9:00-10:00	Imaging versus Imagining: challenging old and new paradigms of plasma membrane organization <b>Gerhard Schütz</b>	Conference room
10:00-11:00	Towards unbiased diagnostics: identification of disease-associated immune subsets by high-dimensional mass cytometry <b>Vincent van Unen</b>	Conference room
11:00- 11:30	<i>Coffee break</i>	
11:30-12:30	In vivo imaging of antiviral B cell responses <b>Mirela Kuka</b>	Conference room
12:30- 14:00	<i>Lunch with the speakers</i>	Campus cantine
14:00-15:00	Two-photon microscopy of the immune tumor microenvironment <b>Guy Shakar</b>	Conference room
15:00-16:00	Imaging stromal microenvironment of small intestine <b>Tatiana Petrova</b>	Conference room
16:00-16:30	<i>Coffee break</i>	
16:30-17:30	Tracking of target expression and drug delivery <b>Rosa Maria Moresco</b>	Conference room
	<i>Social dinner</i>	

Friday, 10<sup>th</sup> February 2017

## Immunotherapy strategies

		Location
9:00-10:00	Microbiota and the control of mucosal immunity <b>Maria Rescigno</b>	Conference room
10:00-11:00	Functional assessment of vaccines <b>Linda Klavinskis</b>	Conference room
11:00- 11:30	<i>Coffee break</i>	
11:30-12:30	Basics of imaging analysis <b>Imaging unit</b>	Conference room
12:30- 13:30	<i>Lunch</i>	Campus cantine