

Scientific symposium

**“Research and innovation in vaccine development  
against infectious diseases”**

**Siena, 08-09 September 2022**

*Dedicated to the memory of Prof. John L. Telford*

**Thursday, September 08, 2022**

12:30-13:30            *Arrivals and lunch*

13:40-14:00            Introduction

Session 1. Vaccines: past, present and future

14:00-14:30	Rino Rappuoli	Vaccines 2030 and beyond
14:30-15:00	Philippe Sansonetti	Health equity for the poorest kids: from Shigella vaccination to stunting and the microbiome
15:00-15:30	Marie-Paule Kieny	COVID vaccines: from the R&D race to mass vaccination
15:30-16:00	Hayato Urabe	Public-Private Partnership: a funding model to foster biomedical innovation

16:00-16:30            *Coffee break*

Session 2. Learning from noninfectious disease settings to develop better vaccines

16:30-17:00	Nick Valiante	Aberrant cell-surface glycans as targets for cancer therapies
17:00-17:30	Gennaro Ciliberto	Precision medicine vaccines, immune checkpoint modifiers and microbiota: a complex but efficacious synergy
17:30-18:00	Roger Perlmutter	Explicit Measurement of Protein Motion in Living Cells Permits Invention of Novel Therapeutics
18:00-18:30	Dennis Kasper	Microbiome induced synthesis of gut complement protects against enteric infection

20:00            *Gala dinner*

**Friday, September 09, 2022**

Session 1. Innovative tools to study immune responses to enhance vaccine efficacy

8:45-9:15	Antonio Lanzavecchia	Dissecting the human immune response: useful, basic and surprising findings
9:15-9:45	Federica Sallusto	T cell activation, differentiation and immune regulation
9:45-10:15	Emanuele Montomoli	Correlates of protection induced by vaccines
10:15-10:45	Androulla Efstratiou	The DEVANI Project: Design of a vaccine to immunize neonates against GBS infections through a durable maternal immune response
10:45-11:15	<i>Coffee break</i>	

Session 2. New approaches to vaccine design for unmet infectious diseases

11:15-12:15	Mogens Kilian	Phylogenetic key to the properties that make <b><i>Streptococcus pneumoniae</i></b> a pathogen
12:15-12:45	Christiane Gerke	Institut Pasteur's diverse portfolio of vaccine candidates against poverty-related infectious diseases – with focus on shigellosis and Lassa fever
12:45-13:15	Isabel Delany	Vaccines and bacterial pathogenesis
13:15-13:45	Maria Grazia Pizza	From antigen identification to protein structure and rational-based design
13:45-14:00	Conclusions	

14:00      *Lunch*

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