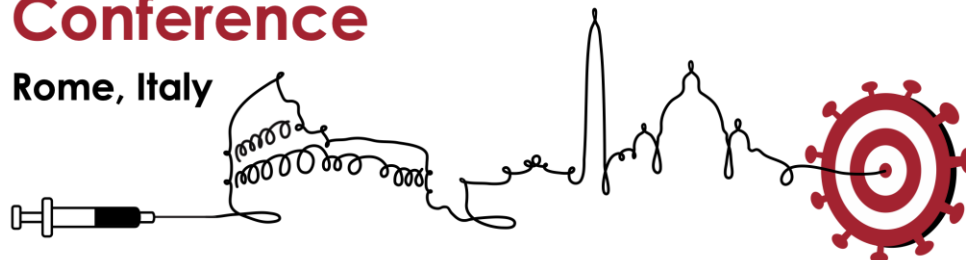


**4th Biennial**

# **International Precision Vaccines Conference**

**Rome, Italy**



## **Agenda**

05-06 October 2023

Parco dei Principi Grand Hotel & Spa  
Via G. Frescobaldi, 5 – 00198 Roma, Italy  
[www.parcodeiprincipi.com](http://www.parcodeiprincipi.com)

### **Co-Hosted by**



### **Day 1 - 05 October 2023**

**8:30 - 10:00**

#### **Plenary session**

8:30 - 8:40 - Welcome

President and Scientific Director of Bambino Gesù Children's Hospital

8:45 - 8:55 - Opening remarks

Drs. Ofer Levy & Paolo Palma

9:00-9:30 - *What we learned for COVID-19. How can we ensure vaccine protection of vulnerable populations in future pandemics?*

Sir. Andrew Pollard, Director, Oxford Vaccine Group, Department of Paediatrics, University of Oxford, UK

9:30 - 10:00 - *The role of Controlled Human Infection Models in defining novel correlates of*

*vaccine protection*

Pierre Van Damme, MD, PhD, Professor, Faculty of Medicine and Health Sciences; Chair, VAXINFECTIO (Vaccine & Infectious Disease Institute), University of Antwerp, Belgium

**10:05-11:30 - Session #1**

**Limitations of current vaccine schedules**

**Chair/Moderator: TBD**

10:05-10:10 - Introduction

10:10-10:25 - *Rotavirus vaccination efficacy: status and future goals (pending)*

10:25 – 10:40 - *Vaccines in Pregnant women*

Claire Thorne, PhPhil - Professor of Infectious Disease Epidemiology, Population, Policy and Practice Research and Teaching Department, UCL Institute of Child Health, University College London, UK

10:40 – 10:55 - *Vaccines efficacy in individuals with primary or secondary immune deficiency*

Paolo Palma, MD, PhD - Head of Clinical and Research Immunology and Vaccinology Unit, Bambino Gesù Children's Hospital; Associate Professor of Pediatrics, University of Rome Tor Vergata, Rome, Italy

10:55 - 11:10 - *Vaccines in oncologic patients*

*(pending)* Lindsey Baden, MD - Vice President of Clinical Research, Brigham and Women's Hospital; Professor, Harvard Medical School[OL2] , Boston, United States

11:10- 11:30 - Q&A Panel

**11.30-11:50 Coffee break**

**11:50 - 13:00 Session #2**

**New strategies to optimize vaccine efficacy**

**Chair/Moderator: TBD**

11:50-11:55 - Introduction: TBD

11:55 - 12:10 - *Precision Vaccines: Bringing Precision Medicine to Vaccinology*

Ofer Levy, MD, PhD - Senior Physician in Pediatrics, Boston Children's Hospital; Director, *Precision Vaccines Program*; Professor of Pediatrics, Harvard Medical School, Boston, United States

12:10-12:25 - *Precision Adjuvants: High throughput in vitro screening of small molecules against human leukocytes to define an adjuvant diversity library*  
(*pending*) David Dowling, PhD - Immunologist and vaccinologist, Boston Children's Hospital; Operational Lead, *Precision Vaccines Program*; Instructor in Pediatrics, Harvard Medical School, Boston, United States

12:25-12:40 - *Innate immune-based strategies to potentiate vaccine efficacy* Ivan Zanoni, PhD - Associate Professor of Pediatrics and Immunology, Boston Children's Hospital; Assistant Professor, Harvard Medical School, Boston, United States

12:40 – 13:00 - Q&A Panel

**13:05 - 13:50 Lunch break**

**13:50 - 14:35 Poster session**

**14:35 - 16:00 - Session #3**

**Bioinformatic approaches to define vaccine correlates of protection**

**Chair/Moderator: TBD**

14:40-14:45 - Introduction: TBD

14:45-15:00 - *Title TBD*

Scott Tebbutt, PhD - Professor, Department of Medicine (Respiratory Division), University of British Columbia; Principal Investigator and Director of Education, Centre for Heart Lung Innovation, St. Paul's Hospital, Vancouver, Canada

15:00 - 15:15 - *Title TBD*

Joan Arce, PhD - Instructor, Harvard Medical School; Lead of the Data Management and Analysis Core (DMAC), *Precision Vaccines Program*, Boston Children's Hospital, Boston, United States

15:15 -15:30 - *Title TBD*

Jessica Lasky-SU, ScD - Associate Professor in Medicine, Associate Statistician, Harvard Medical School and Brigham and Women's Hospital, Boston, United States

15:30 - 15:50 - Q&A Panel

**15:50 - 16:20 - Coffee break**

**16:25 - 18:00 - Session #4**

**Vaccine safety**

**Chair/Moderator: TBD**

16:30-16:35 - Introduction: TBD

16:35 - 16:50 - *International Network of Special Immunization Services (INSIS): A global network to advance vaccine safety*

Karina Top, MD, MSc, FRCPC - Associate Professor of Pediatrics and Community Health & Epidemiology, Dalhousie University, Halifax, Nova Scotia; Principal Investigator, INSIS

16:50- 17:05 - *mRNA vaccine-related myocarditis: The OPBG experience*

Donato Amodio, MD, PhD - Research fellow, Ospedale Pediatrico Bambino Gesù, Rome, Italy

17:05-17:20 - TBD

17:20 - 17:40 - Q&A Panel

**17:40 - 18:00 - Day 1 Closing Remarks**

Paolo Palma, MD, PhD

**Day 2 - 06 October 2023**

**8:30 - 9:30**

**Plenary session**

8:30 - 8:40 - Welcome

Health Director of Bambino Gesù Children's Hospital Massimiliano Raponi, MD PhD

8:35 - 8:40 - Opening remarks, Paolo Palma

8:40 - 9:10 - *Novel gene analysis-based vaccine design*

Rino Rappuoli, PhD - Chief Scientist and Head External R&D, GSK Vaccines; Professor of Vaccines Research, Imperial College London, UK

9:10 - 9:30 - *Development of precision adjuvanted vaccines to enhance vaccine efficacy in vulnerable populations*

Ofer Levy, MD, PhD - Senior Physician in Pediatrics, Boston Children's Hospital, Director of the *Precision Vaccines Program*, Professor of Pediatrics at Harvard Medical School

**9:30 - 11:35 - Session #5**  
**Host-related mechanisms of suboptimal immune responses to vaccines**  
**Chair/Moderator: TBD Chiara Azzari**

9:30-9:45 - Introduction: TBD

9:45 - 10:00 - *Gender aspect*

Philip Goulder, MA, FRCPCH, DPhil, FMedSci - Pediatrician and Professor of Immunology, Oxford University, UK

10:00 - 10:15 - *Immunization of Preterms infants*

Asimena Angelidou, MD, PhD - Neonatologist, Department of Neonatology, Beth Israel Deaconess Medical Center; Clinical Lead, Precision Vaccines Program, Boston Children's Hospital; Instructor of Pediatrics, Harvard Medical School, Boston, United States

10:15 - 10:30 - *Chronic patients*

Nicola Cotugno, MD, PhD - Pediatrician, Ospedale Pediatrico Bambino Gesù, Rome, Italy

10:30 -10:45 - TBD

10:45 - 11:00 - TBD

11:00 - 11:15 - Q&A Panel

**11.30-11:50 Coffee break**

**11:50 - 13:00 - Session #6**

**Updates on RSV vaccines**

**Chair/Moderator: TBD**

11:50 - 11:55 - Introduction: TBD

11:55 - 12:10 - *TBD*

12:10 - 12:20 - *TBD*

12:20 - 12:40 - Q&A Panel

**12:40 - 13:45 Lunch break**

**13:45 - 14:30 - Poster session**

**14:30 - 15:30 - Oral abstract Presentations**

**15:30 - 15:45 - Coffee break**

**15:45 - 17:00 - Industry Presentations**  
**Chair/Moderator - TBD**

15:45 - 15:50 - Introduction

15:50 - 16:05 - (*pending*) Moderna (Galit Alter, PhD, Vice President of Immunology Research at Moderna)

16:05 - 16:20 - (*pending*) Vismederi (Emanuele Montemoli, BSc, MSc – Professor of Hygiene and Public Health, University of Siena, Italy)

16:20 - 16:35 - (*pending*) CRODA (Angela Kleiner- Marketing Director - Adjuvant Systems & Veterinary)

16:35 - 16:40 - (*pending*) InImmune (Jay Evans, PhD - TLR7 agonists, Co-Founder Chief Scientific and Strategy Officer)

16:40 - 17:00 - Q&A Panel

**17:00 - 17:45 - Round Table**

**Importance of biomarkers of vaccine safety and efficacy in pandemic preparedness: Current status and key gaps**

**17:45 - 18:00 - Concluding remarks**

Drs. Ofer Levy & Paolo Palma

**18:00 - Meeting adjourns**