



Pasteur Network Annual Meeting

THE START OF A NEW CHAPTER

NOVEMBER 28-30, 2022

Istituto Pasteur Italia
Rome, Italy



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21 Pasteur Network's available resources

- COS-PN
- Technological resources
- Fellowship & Mobility Programmes

SPEAKERS OPENING CEREMONY



Antonella Polimeni

**RECTRESS
SAPIENZA UNIVERSITY OF ROME**

Antonella Polimeni has been working at the Sapienza University - where she studied - since 1995; she is a full professor in the scientific-disciplinary sector of Dental Diseases and was appointed as Rectress on December 1st, 2020.

She has been a member of the Italian Association of Medical Doctors since 1988; she was a member of the University's Board of Governors, the Department Director and member of the University Evaluation Committee from 2013 to 2018 and was the President of the College of University Professors in Dental Disciplines from 2010 to 2014.

Antonella Polimeni has also directed the Complex Operating Unit of Paediatric Dentistry and Odontostomatology since 2003 and the Head-Neck Integrated Activity Department at the Policlinico Umberto I General Hospital in Rome. She is the Vice-President of the Permanent Conference of Colleges of University Professors in the Medical Area.

In 2019 she was awarded by the President of the Italian Republic with the Honor of Commendatore dell'Ordine "Al Merito della Repubblica Italiana"; in 2021 she was awarded the Mela d'oro of the 33rd edition of the Marisa Bellisario Prize for the «Institutions» category. In the same year, she was appointed as Vice President of the Center for American Studies, Coordinator of the CRUI Gender Equality Committee, Scientific Advisor to the Marina Militare Italiana and member of the Scientific Technical Committee of the International Festival of Health and Safety at Work organized by the Rubes Triva Foundation.



Luigi Frati

**PRESIDENT
INSTITUT PASTEUR IN ITALY - CENCI BOLOGNETTI FOUNDATION**

Luigi Frati is an emeritus professor of Molecular Medicine at the University Roma La Sapienza and President of the Institut Pasteur in Italy.

Luigi Frati has served in different positions in national research organizations such as Dean of the Faculty of Medicine and Rector of the University of Roma, the Ministry of University National Council, National Research Council as well as the Ministry of Health. He has also served in different international organizations including the NIH, Bethesda; on Boards of the European Union Frameworks, the EMA and the FEAM.

He has published more than 600 papers with an H-index of 86 and counts over 26,000 citations. He is dedicated to molecular oncology and cellular immunology.



Christian Masset

AMBASSADOR OF FRANCE IN ITALY

Christian Masset is a graduate of the Ecole Supérieure des Sciences Économiques et Commerciales (1978), the Institut d'Études Politiques de Paris (1980) as well as of the École Nationale d'Administration (1984, promotion Louise Michel).

Christian Masset began his career in 1984 at the Political Affairs Department of the Ministry of Foreign Affairs (France). In 1987, he was appointed First Secretary at the French Embassy in London (United Kingdom), before joining the Economic Affairs Department of the Ministry of Foreign Affairs in 1989. In 1991, he became Second Counselor at the French Embassy in Pretoria (South Africa) where he exercised the functions of number two of the embassy. He then joined, in 1994, the Permanent Representation of France to the European Union in Brussels (Belgium) as an adviser followed by an appointment in 1997 as Technical Advisor in charge of European Affairs in Mr. Hubert Védrine's cabinet of the Minister of Foreign Affairs.

He then became Minister-Counsellor at the French Embassy in Italy from 1999 to 2002, before being appointed Deputy Permanent Representative of France to the European Union in Brussels. In 2007, he returned to the Ministry of Foreign Affairs as Director of Economic and Financial Affairs and in 2009 created the Directorate General for Globalization, of which he was the first Director General from 2009 to 2012; in this context, he played a leading role during the French presidency of the G7 and G20 in 2011.

In 2012, he was appointed Extraordinary and Plenipotentiary Ambassador to Tokyo. From 2014 to 2017, he then became Secretary General of the Ministry of Foreign Affairs and International Development, now the Ministry for Europe and Foreign Affairs.

Raised in 2016 to the dignity of Ambassador of France, Christian Masset was appointed by decree of July 31st, 2017, Extraordinary and Plenipotentiary Ambassador of the French Republic to the Italian Republic (Quirinal). He took office in Rome on September 6, 2017.

Christian Masset has been an Officer in the National Order of Merit since 2017 and an Officer in the National Order of the Legion of Honor since 2021.



Silvio Brusaferro

PRESIDENT ISTITUTO SUPERIORE DI SANITÀ, ITALY

Silvio Brusaferro is the President of the Italian National Institute of Health in Rome and full Professor of Hygiene and Public Health at the University of Udine, he is also a speaker of the National Scientific Technical Committee (STC) with the role of advising and supporting the coordination activities to overcome the epidemiological emergency due to Coronavirus.

Silvio Brusaferro is a member of the European Union Scientific Advice Platform on Covid-19 and Co-chair of the Global Health Summit Scientific Panel. He is also a member of the Organisation for Economic Cooperation and Development (OECD) -Bureau of Expert Group on the Economics of Public Health.

His professional experience, at national and international level, has been focused on public health, research and education on specific interest, including quality in healthcare, clinical risk and patient safety, infection prevention and control, antimicrobial resistance, best practices and core competences in public health, as well as the development of social networks to support health.

Silvio Brusaferro commitment includes multi-disciplinarity and multi-sectorial approaches to tailor the evolution of complex organizations in public health.



Françoise Barré-Sinoussi

HONORARY PRESIDENT PASTEUR NETWORK

Member of the French Academy of Sciences and of the "National Academy of Medicine", USA, Françoise Barré-Sinoussi, PhD, retrovirologist, Research Director at the INSERM and Professor at the Institut Pasteur until 2015. She is internationally recognized for her contributions to HIV/AIDS research, for which she was awarded the Nobel Prize in Physiology or Medicine in 2008.

Today, she serves as President of the Board of Sidaction, the Honorary President of the Pasteur Network, Honorary President of the Virology Department of the Institut Pasteur (Paris) and Vice-President of the Think Tank "Global Health 2030" in France.



Amadou Sall

PRESIDENT, PASTEUR NETWORK
CEO, INSTITUT PASTEUR DE DAKAR

Dr. Amadou A. Sall is the CEO of the Institut Pasteur de Dakar in Senegal and the Director of the World Health Organisation (WHO) Collaborating Center for Arboviruses and Viral Hemorrhagic Fever. He is a virologist with a PhD in Public Health, an expert in epidemics response and control, specifically for arboviruses and viral hemorrhagic fevers including Ebola, Zika, Yellow Fever and high consequence pathogens.

Dr. Sall has been the Chairman of the Global Outbreak Alert and Response Network and a member of the Coalition for Epidemic Preparedness and Innovation (CEPI) Scientific Advisory Board. He is a member of several expert committees for the WHO, including GOARN, TDR, SAGE, STAG-IH, and the World Organisation for Animal Health (WOAH), he is also the Co-Chair of the COVID-19 Laboratory Technical Working group of the Africa Center for Disease Control, member of the African Union AFTCOR's Steering Committee as well as the member of the Senegalese Committee for COVID-19.



Stewart Cole

VICE-PRESIDENT, PASTEUR NETWORK
PRESIDENT, INSTITUT PASTEUR

Stewart Cole is an internationally renowned scientist and professor of Microbial Pathogenesis.

From 2007 to 2017, he served as Professor and Director of the Global Health Institute at the Ecole polytechnique fédérale de Lausanne, the Swiss Federal Institute of Technology (EPFL) – a world-leading education and research center.

For 24 years, Prof. Cole worked as a researcher and held various research management positions at the Institut Pasteur; he was the Director of Strategic Technologies and then Executive Scientific Director, contributing to several patent applications relating to HIV/AIDS, cervical cancer and multidrug-resistant tuberculosis. He participated in the Scientific Advisory Boards of the Institut Pasteur in Iran, the Institut Pasteur in Montevideo and the Institut Pasteur in Lille and as Acting President of the Institut Pasteur in Paris in 2005.

Prof. Cole has been the recipient of many national and international prizes and distinctions. In 2009, he was awarded the World Health Organization's prestigious Stop-TB Partnership Kochon Prize for his leadership and groundbreaking accomplishments in genetic research on M. tuberculosis and his contribution to novel therapeutic strategies for tackling tuberculosis.

During his career, he has been involved in the work of several foundations and scientific committees and was notably Chair of the Board of the Innovative Medicine for Tuberculosis Foundation and President of the commission médicale for the Fondation Raoul Follereau. Prof. Stewart Cole has also published more than 350 scientific papers on infectious diseases, most notably on tuberculosis and leprosy.

Prof. Cole was awarded with the title of Chevalier of the Legion of Honor in 2004 and was appointed as Knight Commander of the Order of St. Michael and St. George for service to science, on January 1st, 2022.

Prof. Stewart Cole has been the President of the Institut Pasteur since 2018.



Rebecca F. Grais

EXECUTIVE DIRECTOR
PASTEUR NETWORK

Rebecca F. Grais is the Executive Director of the Pasteur Network. She previously worked as the Director of Research at Epicentre, an epidemiology and research satellite created by Médecins Sans Frontières, an international medical humanitarian organization.

Her primary areas of interest focus on prevention of infectious diseases, tropical diseases and emerging infections in low- and middle-income countries among populations with little to no access to care. She has particularly focused on population-based studies of the effectiveness of public health interventions and efficacy trials of novel vaccines and therapeutic agents. An additional aspect of her work concerns professional development, mentoring and management training for underrepresented populations in scientific research to advance their individual careers and contribute to adapted healthcare innovations.

Dr. Grais holds a doctorate, two masters degrees and a bachelor's degree from Johns Hopkins University as well as an habilitation to direct researchers from the Medical Faculty of the Paris Saclay University (France).

Rebecca F. Grais has published over 200 peer-reviewed publications, is a member of diverse scientific, funding and international organization committees and advisory groups.



Angela Santoni

SCIENTIFIC DIRECTOR
INSTITUT PASTEUR IN ITALY – CENCI BOLOGNETTI FOUNDATION

Prof. Angela Santoni is Emeritus of Immunology and Immunopathology at the Sapienza University of Rome and Scientific Director of the Institut Pasteur in Italy. She was elected President of the International Society of Natural Immunity, President of the Italian Society of Immunology, Clinical Immunology and Allergology and member of the Council of International Union Immunological Societies. She was also member of Global Alliance for Vaccination and Immunization (GAVI) Board as the Italian representative.

She is a member of the Academia Europaea and the European Molecular Biology Organization. Prof. Santoni is author of more than 400 publications in peer-reviewed journals. Over the years, she has been involved in studying several aspects of NK cell biology, providing relevant contributions on the signaling events leading to NK cell adhesion, migration and effector functions; on the role of NK cells in the immunosurveillance against senescent tumor cells and of tumor-microenvironment in NK/ILC the modulation of functions.



Rino Rappuoli

**SCIENTIFIC DIRECTOR
FONDAZIONE BIOTECNOPOLO, SIENA**

GUEST OF HONOR

Rino Rappuoli is the Scientific Director of the Fondazione Biotechnopolo di Siena (Italy), Honorary Professor at the Imperial College in London (United Kingdom), and Senior Professor of the University of Siena.

He is an elected member of US National Academy of Sciences (NAS), the European Molecular Biology Organization, the Royal Society of London and President of the International Union of Microbiological Societies. Dr. Rappuoli introduced novel scientific concepts like genetic detoxification, cellular microbiology, reverse vaccinology, and pangenome. He has developed licensed vaccines including for acellular pertussis, meningococcus C, and meningococcus B.

Dr. Rappuoli is among the world scientific leaders dedicated to the sustainability of global health and has published 777 works in peer-reviewed journals.

SESSIONS' SPEAKERS & MODERATORS

PLENARY SESSION 1

PREPAREDNESS AND RESPONSE TO OUTBREAKS: LESSONS AND COURSE OF ACTIONS FOR THE PASTEUR NETWORK

MODERATOR

Noël Tordo

DIRECTOR
INSTITUT PASTEUR DE GUINÉE



Noël Tordo is the Director of the Institut Pasteur de Guinée, President of the « Société Française de Virologie », Member of the French Veterinary Academy and an expert in scientific committees in France and abroad.

Noël Tordo has developed his career in both fundamental and translational aspects of emerging viral diseases, focusing on zoonoses such as rabies and viral hemorrhagic fever analyzed under the One Health approach. He has contributed to the molecular and cellular biology of (re)emerging viruses through surveillance of animal vectors, molecular interactions and co-evolution virus-hosts; mechanisms, accompanying the transmission across the species barrier as well as future therapies, based on vaccines or antivirals. He is involved in knowledge transmission as Director of the Institut Pasteur (Paris) Virology Courses on-site in Paris and within the Pasteur Network or through MOOCs.

In addition, he was awarded by the French Academies of Science and Medicine and from the Ministry of Education and Research.

SPEAKERS

Emmanuel Nakoune-Yandoko

SCIENTIFIC DIRECTOR
HEAD OF THE ARBOVIRUSES
INSTITUT PASTEUR DE BANGUI



Emmanuel Nakoune-Yandoko is the Director of Research and Scientific Director of the Institut Pasteur de Bangui and Research Professor at the University of Bangui in Central African Republic. He has worked extensively on the reservoir of the Ebola virus and demonstrated, for the first time in 1998, the genome of the Ebola virus in small mammals captured in the primary forest of Central Africa.

Emmanuel Nakoune-Yandoko received the honor of Officer in the Order of Academic Palms (France); Knight in the National Order of Merit (France) and Commander in the Central African Order of Merit.

Emmanuel Nakoune-Yandoko is Head of the arboviruses, hemorrhagic fever viruses, emerging viruses and zoonoses laboratory at the Institut Pasteur de Bangui and member of the African Rabies Network. He set-up the surveillance and diagnosis of monkeypox since 2001 at the Institut Pasteur de Bangui in collaboration with the Ministry of Health. Since 2018 he has been an expert at the WHO for monkeypox.

SPEAKERS

Leo Poon

CO-DIRECTOR
HKU – PASTEUR RESEARCH POLE



Leo Poon is a professor in the School of Public Health, the University of Hong Kong as well as co-director of HKU-Pasteur Research Pole. He is a virologist and public health scientist dedicated to studying emerging viruses such as influenza viruses and coronaviruses. Thus far, he has published about 300 peer-reviewed articles, with an H-index of 93. Leo also serves as an expert in different working groups in international organisation, such as the WHO, the WOA and the Food and Agriculture Organization of the United Nations (FAO), for controlling emerging infectious diseases.

Ridha Barbouche

ARABIAN GULF UNIVERSITY, BAHRAIN
INSTITUT PASTEUR DE TUNIS



Immunologist working on different aspects of host-pathogen interaction, Ridha Barbouche is MD/PhD and Professor at the University of Tunis El-Manar and Institut Pasteur de Tunis.

Ridha Barbouche serves as a member of the steering committee of the Pasteur Network COS-PN and is now joining the Microbiology, Immunology, and Infectious Diseases Department at the Arabian Gulf University in Bahrain. He sits as an expert in different vaccinology working groups at the WHO.

PLENARY SESSION 2

MANUFACTURING AND STRENGTHENING THE R&D ECOSYSTEM

MODERATOR



Wilson Savino

OSWALDO CRUZ FOUNDATION (FIOCRUZ)

Wilson Savino graduated in Biological Sciences from the University of the State of Rio de Janeiro (1974), obtained his master's degree in Histology and Embryology from the Federal University of Rio de Janeiro (1979), PhD in Cell and Tissue Biology from the University of São Paulo (1982), and carried out a postdoctoral internship in Cellular Immunology at the Necker Hospital (Paris, 1983-1985).

Wilson Savino is a Full Researcher at the Fundação Oswaldo Cruz (FIOCRUZ) and Special Advisor to the Presidency for Cooperation with French Science & Technology Institutions. He was the President of the Brazilian Society of Immunology (1993-1995), of the Brazilian Society of Cell Biology (2010-2014) and the International Society of Neuroimmunomodulation (2011-2014) as well as Director of the Oswaldo Cruz Institute from June 2013 to May 2017.

He is a full member of the Brazilian Academy of Sciences and the World Academy of Sciences. In addition, he was awarded the titles of Researcher Class 1A of the National Research Council (CNPq) and Researcher of the State of Rio de Janeiro for Research Support (Faperj).

In addition, he is a member of the International Scientific Council of the Institut Pasteur de Montevideo (Uruguay, was the Editor-in-Chief of the NeuroImmunoModulation Journal (2007, 2021). He was Associate Editor of Nutritional Immunology, (specialty of Frontiers in Immunology and Nutrition) from 2018 to 2022. He coordinates the Brazilian National Institute of Science and Technology on Neuroimmunomodulation by the Ministry of Science and Technology, the Rio de Janeiro network on Neuroinflammation and is the Brazilian coordinator of the Research, Biotechnology and Education Network applied to Health (FOCEM/MercoSul).

He received several awards, including the title of «Chevalier dans l'Ordre de Palmes Académiques» (France), Doctor Honoris Causa by the Sorbonne Université (France), the Luis Federico Leloir Medal (Argentina), as well as the Eduardo Charreau Award for science and technology. (Argentina), and the Medal Virgínia Schall (Brazil) for his activities in Higher Education.

SPEAKERS

Christophe Peyrefitte

**DIRECTOR
INSTITUT PASTEUR DE LA GUYANE**



Dr. Christophe Peyrefitte holds a PhD in Pharmacy from the Claude Bernard University (Lyon, France) a PhD in Virology from the University of Aix-Marseille (France) as well as a habilitation to direct research (HDR) at the University Claude Bernard. He has been involved in teaching courses in fundamental virology, molecular and medical virology at the Institut Pasteur in Paris for over the past 10 years and is also an Associate Professor at the Val-de-Grâce University.

In addition, Christophe Peyrefitte's professional career has led him to study arboviruses, hemorrhagic fever viruses and orthopoxviruses and their epidemic emergence. He has worked and directed the National Reference Center for arboviruses, the Reference Laboratory for Orthopoxviruses and the WOA Reference Laboratory for Crimean-Congo hemorrhagic fever virus. He was the French representative in various North Atlantic Treaty Organization (NATO) working groups (CBRN-Med WG, Biomed-Panel) and has participated in the management of several epidemic outbreaks including the Ebola virus in Guinea.

Christophe Peyrefitte was appointed as Scientific Director of the Institut Pasteur de Dakar in 2018 becoming afterwards the Director of the Institut Pasteur de la Guyane, in 2021.

Amadou Sall

**PRESIDENT OF THE PASTEUR NETWORK
CEO OF THE INSTITUT PASTEUR DE DAKAR**



Dr. Amadou A. Sall is the CEO of the Institut Pasteur de Dakar in Senegal and the Director of the World Health Organisation (WHO) Collaborating Center for Arboviruses and Viral Hemorrhagic Fever. He is a virologist with a PhD in Public Health, an expert in epidemics response and control, specifically for arboviruses and viral hemorrhagic fevers including Ebola, Zika, Yellow Fever and high consequence pathogens.

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PLENARY SESSION 3

WORKING BETTER TOGETHER

SUB-PLENARY 1

FOCUSING ON SCIENCE

READ MORE ABOUT THE COS-PN ON PAGE 22

MODERATOR

Rebecca F. Grais

EXECUTIVE DIRECTOR
PASTEUR NETWORK



Rebecca F. Grais is the Executive Director of the Pasteur Network. She previously worked as the Director of Research at Epicentre, an epidemiology and research satellite created by Médecins Sans Frontières, an international medical humanitarian organization.

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Dr. Grais holds a doctorate, two masters degrees and a bachelor's degree from Johns Hopkins University as well as an habilitation to direct researchers from the Medical Faculty of the Paris Saclay University (France).

Rebecca F. Grais has published over 200 peer-reviewed publications, is a member of diverse scientific, funding and international organization committees and advisory groups.

SPEAKERS

Fernando Arenzana-Seisdedos

ACTING DIRECTOR
DEPARTMENT OF INTERNATIONAL AFFAIRS
INSTITUT PASTEUR



Prof. Fernando Arenzana-Seisdedos got a Doctor of Medicine and Surgery degree from the University of Sevilla (Spain, 1978) followed by a specialization in Pediatrics (1982) and a residency in the Pediatric Immunology and Rheumatology Unit at the Hospital Necker Enfants-Malades (France, 1981-86).

Afterwards, Fernando Arenzana-Seisdedos held different research positions at the National Institut for Health Research (INSERM, France) and the Institut Pasteur focusing his scientific research on virology and immunology on topics such as transcriptional regulation of HIV-1 replication; mechanisms of viral entry HIV and Flaviviruses as well as biology and physiopathology of chemokine receptors.

Amongst his major scientific functions, he became the National coordinator for HIV-coreceptors and viral entry mechanisms of the ANRS (France, 1997-2002), the President of scientific careers evaluation committees at the Institut Pasteur (France, 2007-2009), the President of Institut Pasteur-Institut Weizmann Association Scientific Council (2011-2014) as well as Scientific Advisor to the Institut Pasteur de Dakar, the Institut Pasteur du Cambodge and was also a member of the Bettencourt-Schueller Scientific Council (France, 2017-2021).

Fernando Arenzana-Seisdedos has been awarded with the French National Award for 10-years of Research on AIDS (SIDACTION), the Canetti Prize on Microbiology -awarded by the Institut Pasteur Scientific Council, the Magnolia Silver medal of the Shanghai's City Government and the Magnolia Gold medal of the Shanghai's City Government on the Sciences and Technology category.

After holding the role of Scientific Director at the Institut Pasteur of Shanghai-Chinese Academy of Sciences, he is today the Acting Director of the Institut Pasteur's Department of International Affairs.

Anna-Bella Failloux

ARBOVIRUSES AND INSECT VECTORS
DEPARTMENT OF VIROLOGY
INSTITUT PASTEUR
PASTEUR NETWORK STEERING COMMITTEE



Anna-Bella Failloux, PhD, is a medical entomologist and Chief of the Unit "Arboviruses and Insect Vectors" at the Institut Pasteur in Paris. Her work mainly focuses on investigations of arbovirus-mosquito interactions in order to decipher the factors leading to the viral emergence.

Prof. Failloux earned her PhD in Ecology/Entomology from Orsay University (Paris XI). She performed Postdoctoral Research training at the Institut Pasteur where she obtained a full position as Research Assistant. She has an extended expertise on vectors of alphaviruses, flaviviruses and phleboviruses. She collaborates in a privileged way with the institutes of the Pasteur Network and participates actively in teaching medical entomology as director of a course and a MOOC.

PLENARY SESSION 3

WORKING BETTER TOGETHER

SUB-PLENARY 2

IMPROVING OPPORTUNITIES WITHIN THE NETWORK – G4 AND MOBILITY

READ MORE ABOUT G4 AND MOBILITY PROGRAMMES ON PAGE 26

MODERATORS



André Spiegel

**DIRECTOR
INSTITUT PASTEUR DE CAMBODGE**

Physician, public health specialist, and Associate Professor at Val-de-Grâce, André Spiegel has been holding various positions within the Pasteur Network, first as Head of the Epidemiology Units of the Institut Malardé in French Polynesia and the Institut Pasteur de Dakar in Senegal and then, since 2007, by directing four Pasteur Institutes successively in French Guyana, Senegal, Madagascar and Cambodia, where he arrived in 2021.

He has been involved in numerous research projects on malaria and vaccinology and has developed expertise in the field of public health, including epidemiological surveillance, response to epidemics and public health crisis management.



Marianne Lucas-Hourani

**PROJECT MANAGER
PASTEUR NETWORK**

After defending her PhD thesis in Microbiology from the University Paris 7-Diderot, Marianne Lucas-Hourani joined the Institut Pasteur as postdoctoral fellows and became a research engineer in the Viral Genomics and Vaccination Unit, position held for over 10 years.

Since 2017, Ms Lucas-Hourani has overseen several programmes within the Scientific Strengthening and Collaboration and Training Unit (CoReSciF) at the Department of International Affairs of the Institut Pasteur, including programmes such as the Calmette & Yersin, G4 and the Pasteur International Joint Research Unit (PIU).

SPEAKERS

Lawrence Ayong

PASTEUR CENTER IN CAMEROON



Lawrence Ayong, PhD, is a former G4 leader (2013-2017) and currently Head of the Malaria Research Unit at the Centre Pasteur Cameroon. He obtained his PhD in Biomedical Sciences from the University of Central Florida (USA, 2009), followed by a postdoctoral training in molecular parasitology at the Center for Tropical and Emerging Global Diseases of the University of Georgia Athens (USA).

Prior to his G4 experience, he served as Team Leader at the Institut Pasteur in Korea (2011-2013) and as Junior Scientist at the Institute for Medical and Medicinal Plant Studies under the Cameroon Ministry of Scientific Research and Innovation.

Lawrence Ayong current research focuses on clinical studies of malaria parasites and includes drug discovery and innovative diagnostics.



Tineke Cantaert

**HEAD OF UNIT
IMMUNOLOGY UNIT
INSTITUT PASTEUR DU CAMBODGE**

Dr. Tineke Cantaert obtained a PhD in Clinical Immunology in 2008, from the University of Amsterdam (The Netherlands). Between 2010-2013 she was a Postdoctoral Fellow at Yale University (USA) and obtained a G4 grant from the Pasteur Network to enforce the Immunology capacity at Institut Pasteur du Cambodge in 2015.

Dr. Tineke Cantaert integrated the Institut Pasteur (Paris) and was appointed as Head of the newly formed Immunology Unit at Institut Pasteur du Cambodge in 2019. Her research is focused to understand the immunopathology of arboviral infections, where her studies have identified protective B and T cell responses in individuals that can control dengue virus infection without excessive immune activation leading to vascular damage. Moreover, she has shown that the absence of specific sugar moieties on anti-dengue antibodies can lead to severe dengue disease.

In 2017, Dr. Cantaert was awarded the Early Career Research Price in Vaccinology R&D from the International Union of Immunological Societies. Since then, she has been a HHMI/Wellcome Trust International Research Scholar.

PLENARY SESSION 3: WORKING BETTER TOGETHER

SUB-PLENARY 3

MUTUALIZING TECHNOLOGICAL RESOURCES

READ MORE ABOUT TECHNOLOGICAL RESOURCES ON PAGE 23

MODERATOR

Youngmee Jee

**DIRECTOR
INSTITUT PASTEUR KOREA**



Dr. Youngmee Jee (MD, PhD) is Chief Executive Officer of the Institut Pasteur Korea since January 2021 and serves as a Board member for the Pasteur Network. Before joining the Institut Pasteur Korea, she served as Director-General of the Center for Infectious Disease Research of the Korea CDC leading infectious disease R&D at the national level. In addition, she worked for the WHO Western Pacific Region as Laboratory Coordinator in the Expanded Programme on immunization to coordinate national and regional public health institutes in over 20 countries in the region.

Dr. Jee received her MD from the College of Medicine, Seoul National University, a Diploma in Medical Microbiology from the London School of Hygiene Tropical Medicine, and her PhD from the University of London.

SPEAKERS

Carlos Batthyany

**DIRECTOR
INSTITUT PASTEUR DE MONTEVIDEO**



Dr. Batthyány is a Medical Doctor and Doctor in Science (PhD) from the Universidad de la República, Uruguay. He did a post-doctorate at the University of Alabama at Birmingham, Alabama, USA. Afterwards, he worked at the Department of Pharmacology and Biological Chemistry at the University of Pittsburgh School of Medicine, Pittsburgh, USA and he was an Associate Professor and researcher at the Department of Biochemistry of the School of Medicine of the University de la República for more than 20 years, getting appointed as the Principal Investigator of the Laboratory of Vascular Biology and Drug Development at the Institut Pasteur de Montevideo.

Dr. Batthyány is a specialist in analytical biochemistry, pharmacology & drug development, has published more than 60 papers in international scientific journals and is co-inventor of eight international patents. He is also co-founder and CMO of EOLO Pharma, a start-up specialized in drug development that is about to start the first phase 1 study for its lead compound in Australia.

SPEAKERS

Alejandro Buschiazzi

**ASSOCIATE PROFESSOR
LABORATORY OF MOLECULAR & STRUCTURAL MICROBIOLOGY
INSTITUT PASTEUR DE MONTEVIDEO**



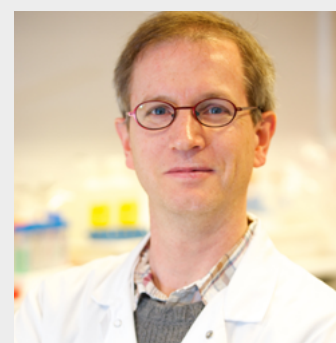
Alejandro Buschiazzi obtained his PhD in Chemistry in 1999 at the Institute Leloir (Universidad de Buenos Aires, Argentina) studying Trypanosomatid parasites.

His early Biochemistry background was further expanded to Structural Biology approaches during his postdoctoral training (2000-2003) followed by a tenured researcher position (2003) at the Department of Structural Biology and Chemistry in the Pasteur Institute (Paris). He was appointed as Group Leader to the Institut Pasteur Montevideo in 2006 within the Pasteur Network.

Alejandro Buschiazzi was charged to set-up a Protein Crystallography Facility in Montevideo and has since led the Laboratory of Molecular and Structural Microbiology. His laboratory focuses on bacterial signaling and the study of *Leptospira*, with an emphasis in motility and virulence regulation. He was promoted to Associate Professor (Research Director) in the Institut Pasteur in 2016.

Patrick England

**MOSBRI SCIENTIFIC COORDINATOR
INSTITUT PASTEUR**



Patrick England obtained a PhD in enzymology in Paris in 1992 and has been working at the Institut Pasteur (Paris) since 1994.

He founded the Molecular Biophysics Technological Platform in 2002 and has headed it ever since.

Patrick Englad is the current Scientific Coordinator of the European Molecular-scale Biophysics Research Infrastructure (MOSBRI).

PLENARY SESSION 3:
WORKING BETTER TOGETHER
SUB-PLENARY 3
MUTUALIZING TECHNOLOGICAL RESOURCES
READ MORE ABOUT TECHNOLOGICAL RESOURCES ON PAGE 23

SPEAKERS

Regis Grailhe

**RESPONSIBLE OF THE TECHNOLOGICAL
DEVELOPMENT PLATFORM
INSTITUT PASTEUR KOREA**



Regis Grailhe is a group leader at the Institut Pasteur Korea since 2004 and a Professor at the University of Science & Technology (UST) since 2015. He obtained his PhD from the University Louis Pasteur while conducting his research at Columbia University (USA), followed by a Post-Doctorate at the Institut Pasteur (Paris).

Taking advantage of a multidisciplinary team composed of biologists, biophysicists, and microscopy specialists, Regis Grailhe Technology Development Platform (TDP) is generating optical technologies to study infectious and aging-related diseases at the nano- to macro-scale in cell and animal models. Particularly, using bioluminescent and fluorescent markers, the TDP scrutinizes the protein-protein interaction network in living cells occurring between pathogens and the host cells and animal models. To complement such approaches, the TDP builds research equipment affordable and accessible for resource-limited environments.

Timokratis Karamitros

**BIOINFORMATICS AND APPLIED GENOMICS (BIGEN) UNIT
HELLENIC PASTEUR INSTITUTE**



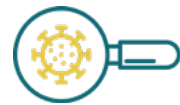
Dr. Timokratis Karamitros is a Principal Investigator (PI) and Head of the Bioinformatics and Applied Genomics Unit, in the Hellenic Pasteur Institute (Greece).

He is an expert in NGS technologies and Bioinformatics and his research focuses on viral genomics and on pathogen – host interactions. As a postdoctoral researcher in the Applied and Evolutionary Virology Lab at the University of Oxford (United Kingdom), he investigated the activity of Human Endogenous Retroviruses. As a Director and Founder of the Molecular Diagnostics Department of the “Centre of Laboratory Medicine” in Nicosia (Cyprus), Timokratis Karamitros worked in the development of molecular diagnostics. He is PI for the National Flagship Action “Greece vs Corona”, the National Flagship Action «Hellenic Molecular Oncology Network” both in the Hellenic Pasteur Institute. He is also a member of a GeCIP crosscut domain in the “100.000 Human Genomes Project”, Genomics (England) as well as member of the international Consortium “COVID19 Human Genetics Effort”.

Dr. Timokratis Karamitros is the author of 45 publications in high impact International Journals such as Science, eLife, PNAS, Nucleic Acids Research, Eurosurveillance, etc.

**PASTEUR NETWORK’S
AVAILABLE RESOURCES**

WORKING BETTER TOGETHER



Focusing on Science COS-PN

The COS-PN is the scientific advisory committee of the Pasteur Network, supporting the efforts in implementing the Network's scientific strategy, analyzing opportunities of partnerships amongst the Pasteur Network members, identifying action priorities and recommending implementation methods.

The committee is comprised of 10 members, mid-careers scientists covering all disciplines and geographic regions. The committee meets every three months via audioconference and members have a 3-year mandate, renewable once.

Contact:

Anna-Bella Failloux (afaillou@pasteur.fr)

> More information:

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://pasteur-network.org/wp-content/uploads/2021/01/COS-RIP_eng.pdf

TECHNOLOGICAL RESOURCES

MOSBRI : Molecular-Scale Biophysics Research Infrastructure Institut Pasteur



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement No. 101004606

Overview of the Institut Pasteur Centre for Technological Resources and Research and of MOSBRI, the European Molecular-Scale Biophysics Research Infrastructure

... Speaker: Patrick England

Pasteur-PFBMI is one of the 19 platforms of the Institut Pasteur Centre for Technological Resources and Research. It federates an ensemble of state-of-the-art instrumentation for the in vitro molecular-scale characterization of biological macromolecules, together with well-established technical and methodological expertise. Its mission is to provide an added value to a great variety of biological projects, in priority from teams of the Institut Pasteur International Network.

Pasteur-PFBMI also coordinates MOSBRI, an EU funded Research Infrastructure that offers access to cutting-edge instrumentation and expertise in molecular-scale biophysics in 13 academic centres of excellence from 11 different European countries. Transnational access (TNA) is provided free of charge to researchers in all fields of science, from both academia and industry (notably SMEs). TNA is open continuously and researchers worldwide can apply for access to one or several MOSBRI partners across Europe by submitting a research proposal online.

Contacts:

Patrick England (patrick.england@pasteur.fr), Institut Pasteur (Paris)
MOSBRI Scientific Coordinator.

Liliana Avila-Ospina (liliana.avila-ospina@pasteur.fr),
MOSBRI Project manager

> More information: <https://www.mosbri.eu/>

« LAB+: from exceptional research at Institut Pasteur Montevideo to world-class start-ups” Institut Pasteur Montevideo



••• **Speaker:** Carlos Batthyany

LAB+, the Venture Builder of the Institut Pasteur de Montevideo, is a project that seeks to enhance the value of disruptive scientific knowledge through the creation of scientific-technological companies. It will especially consider those initiatives that have intellectual property or whose results are close to being patented internationally and have a strong projection to the global market from their conception. To give impetus to these initiatives, Lab+ will finance them with capital from a private investment fund. The talk will provide an insight into the Lab+ model, the investment funds and the legal structure. It will also go through the steps to follow, from the international call for proposals to the selection of the best proposals, and how to go from curiosity-driven science to a science and technology-based company.

Contact:
Carlos Batthyany (batthyany@pasteur.edu.uy)

> **More information:** <https://instruct-eric.eu/>

Institut Pasteur Korea's Technology Platform accessible to Pasteur Network Translational Research Institut Pasteur Korea



••• **Speaker:** Regis Grailhe

The Institut Pasteur Korea's technology platforms are focused on transformative discoveries that will enhance human health by developing multi-disciplinary R&D approaches in life sciences, physics, mathematics, and chemistry. Our core infrastructure and competence of phenotypic screening platforms are reinforced with new state-of-the-art technologies such as AI-image-based analysis, protein-protein interaction, in-vivo and ex-vivo imaging. This full translational platform will create an open environment of innovation in the Pasteur Network.

Contacts and focal point:
Regis Grailhe (regis.grailhe@ip-korea.org)
David Shum (david.shum@ip-korea.org)

> **More information:** <https://www.ip-korea.org/research/lablist.php?gb=T>

Bioinformatics and Applied Genomics Unit: A Versatile High-Throughput Sequencing and Single-Cell Genomics Platform. Hellenic Pasteur Institute



••• **Speaker:** Anna-Bella Failloux

The Bioinformatics and Applied Genomics (BiGen) Unit was recently founded in the Hellenic Pasteur Institute (HPI) having as a primary mission the development of molecular, genomics and bioinformatics applications relevant to high throughput sequencing and single cell technologies, but also the development of software for the analysis of large-scale datasets. Serving as a Core Facility, BiGen provides sequencing services, including the design and the execution of wet-lab assay preparation, the sequencing and the downstream bioinformatics analysis. BiGen Unit also provides public services, both in academia and the pharmaceutical industry.

Contacts and focal point:
Timokratis Karamitros (tkaram@pasteur.gr)

> **More information:**
<http://www.pasteur.gr/en/bioinformatics-and-applied-genomics-unit/>

FELLOWSHIP & MOBILITY PROGRAMMES

Improving opportunities within the Network

G4 and Mobility

The Pasteur Network offers a set of programs to strengthen the network by attracting new talents, encouraging current employees to improve their skills, and promoting the transfer of knowledge and tools amongst its members.

Contacts:

Kathleen Victoir (kathleen.victoir@pasteur.fr)

Marianne Lucas-Hourani (Marianne.lucas-hourani@pasteur.fr)

G4 – 4-year Research Groups

The G4 programme is a group-leader career opportunity in the Pasteur Network for promising scientists with ambitious research projects.

> **More information:** [G4 official webpage](#)

C&Y – Calmette & Yersin Programme

The Calmette and Yersin programme is a set of four grants funding short-term mobility for Pasteur Network members up to post-doc for young scientists willing to join the Pasteur Network.

> **More information:**

Internship Grants Calmette & Yersin

Study Grants Calmette & Yersin

Doctoral Grants Calmette & Yersin

Post Doctoral Grants Calmette & Yersin

PIU – Pasteur International Joint Research Unit

The PIU program aims to create new scientific synergies and boost the existing ones within the Pasteur Network.

> **More information:** [PIU official webpage](#)

Talent Awards

Every year, the Talent Awards recognize one or two young scientists from the Pasteur Network for their career evolution and leadership potential in either public health or fundamental research.

> **More information:** [Talent Awards official webpage](#)

Pasteur Network International Courses Annual Call

As part of its mission, the Pasteur Network has offered, since 2012, more than a hundred theoretical and hands-on courses worldwide.

These courses support research and public health priorities at global and regional levels and offer top-level training to scientists at the different stages of their scientific career.

> **More information:** [International courses webpage](#)

Fondation Fondation Pierre Ledoux Jeunesse Internationale Grants

The Fondation Pierre Ledoux Jeunesse Internationale dedicates grants for French students willing to complete an internship as part of their studies within the Pasteur Network.

> **More information:** [FPLJI Grants official webpage](#)

Incentive Programs ACIP-PTR Institut Pasteur

These programs are tools for deploying the Institut Pasteur's scientific vision. They strengthen collaborations between Pasteurian teams around ambitious and innovative projects.

> **More information:** [ACIP-PTR](#)

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