

## Speakers' Profile

# Second EU-Africa PerMed Summer School Implementation of Personalised Medicine

**DATE:**

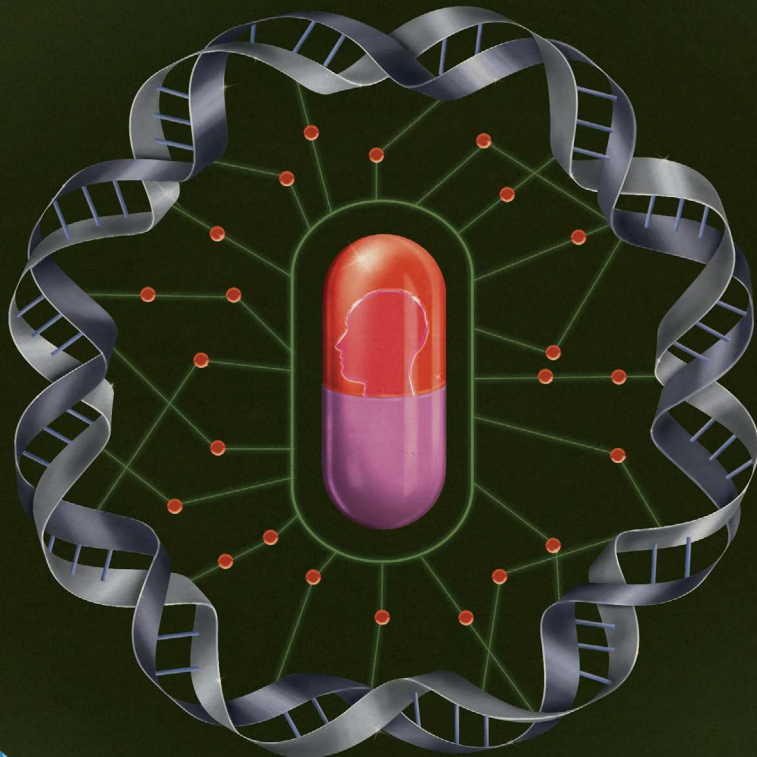
*May 21 - 23, 2024*

**FORMAT:**

*Hybrid*

**PHYSICAL VENUE:**

*Nairobi, Kenya*



# Second EU-Africa PerMed Summer School Implementation of Personalised Medicine

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## SPEAKERS

**Samson Adegbe**, GeneMap, Nigeria

**Djillali Annane**, Hôpital Raymond-Poincaré, France

**Monika Frenzel**, ANR, France

**Nicola Gentili**, IRCCS Istituto Romagnolo per lo Studio dei Tumori "D. Amadori" (IRMST), Italy

**Ramiro Gilardino**, Global Health Technology Assessment lead, Switzerland

**Francesco Ghini**, IRCCS IRMST, Italy

**Agnes Kiragga**- Data Science and Evaluation unit, APHRC, Kenya

**Anthony Mveyange**, Director of Programs, APHRC, Kenya

**George Michuki**, Founder and CEO of the Africa Genomics Centre, Kenya

**Teresia Nyawira**, NACOSTI, Nairobi

**Begonya Nafria**, Patient Engagement in Research Coordinator, Sant Joan de Déu Research Foundation, Barcelona, Spain

**Rokhaya Ndiaye Diallo**, University Cheik Anta Diop, Dakar, Senegal

**Lilian Njagi**, Kenya Medical Research Institute (KEMRI), Kenya

**Alexandru Padurean**, Project Adviser Health and Digital Executive Agency, HADEA

**Stefan Wagner**, Aarhus University, Denmark

**Maria Jose Ruiz Alvarez**, D.G.R.I.C. Ministero della Salute, Italy

**Erika Sela**, Innovatec, EU-Africa PerMed Project Coordinator, Spain

**Giuseppina Sgandurra**, INNOVATE Lab Child Neurologist and Psychiatrist- Department of Developmental Neuroscience, IRCCS Fondazione Stella Maris, Pisa, Italy

**Urielle Ullmann**, ULB University, Belgium

**Mark van Gils**, Decision Support for Health Tampere University, Faculty of Medicine and Health Technology, Finland

**Marta Vicente-Crespo**, African Population & Health Research Center (APHRC), Kenya

**Mohamed Zahir**, Muhimbili University of Health and Allied Sciences, Dar es Salaam, Tanzania

**Chiara Zingaretti**, IRCCS IRMST, Italy



The **EU Africa PerMed project** is funded by the European Commission's Horizon 2020 programme and aims to integrate African institutions into the International Consortium for Personalised Medicine and enhance collaborations between African and European countries in the field of personalised medicine (PM).

Capacity building as a key area for collaboration to build bridges between the PM research communities in both regions. It includes training and capacity building activities, such as webinars and in-person interactive training events or "Summer Schools".

#### Scientific and Technical Organization:

**APHRC:** Rita Karoki: [rkaroki@aphrc.org](mailto:rkaroki@aphrc.org); Topistar Karani: [tkarani@aphrc.org](mailto:tkarani@aphrc.org); **Marta Vicente:** [mvicente-crespo@aphrc.org](mailto:mvicente-crespo@aphrc.org)

**Italian Ministry of Health:** Maria Jose Ruiz Alvarez, [mj.ruizalvarez-esterno@sanita.it](mailto:mj.ruizalvarez-esterno@sanita.it)

This 2<sup>nd</sup> Summer School is focused on the Implementation of PM research. Implementing PM research outcomes on practices and technologies in healthcare settings requires training, infrastructure development, and coordination among healthcare providers. Ensuring that PM is seamlessly integrated into clinical workflows is essential.

Our primary objective is first to equip participants with knowledge and skills to set up their research under the scope of PM Implementation and second, to support the creation of research networks.

This training event includes lectures on key topics followed by group work where participants analyse a case study, respond to a questionnaire or perform other interactive work with their peers. Participants will be provided with bibliography on the topics to be covered. At the end of the event, participants will fill up an evaluation test based on the content of the lectures to obtain their certificate of attendance.

This 2nd Summer School has been set up by the Italian Ministry of Health in collaboration with the African Population and Health Research Center (APHRC), and with the support of the ECRIN, INNOVATEC, IRESSEF and all the EU Africa PerMed consortium



## 2<sup>nd</sup> EU Africa PerMed Summer School IMPLEMENTATION OF PERSONALISED MEDICINE RESEARCH Hybrid format 21 - 23 May 2024



**KCB Leadership Center, Nairobi, Kenya**  
**Mall Hotel & Convention Center**  
**21 - 23 May 2024**

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*EU Africa PerMed project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 964333*

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## EU Africa PerMed, List of Participants

### Networking Session I

Abbas Abel Anzaku, Institute of Human Virology, Nigeria  
Adeturinmo Mary, Imperial College London, UK  
Ahmed Saed Nuh, Ministry Health Development.N.COVID-19  
vaccination coordinator, Somalia  
Amuzu Dominic Selorm Yao, WACCBIP, Ghana /MRC Unit Gambia  
Atulinda Linda, Patient Centered Care Movement Africa (PaCeM-Afro)  
Benzoni Giorgia, University Milano Bicocca, Italy  
Bindawa Maryam Ibrahim, Kaduna State University, Kaduna, Nigeria  
Coulibaly Safiatou, Institut Pasteur Côte d'Ivoire  
Curreli Cristina, IRCCS Rizzoli Institute, Italy

### Networking Session II

De Palma Giuseppe, IRCCS Istituto Tumori "Giovanni Paolo II" Bari, Italy  
El Mabrouk Haifa, Higher Institute of Biotechnology of Monastir, Tunisia  
Eyasu Mebrahtu, Saint Paul's Hospital Millennium Medical College, School of Medicine, Department of Pharmacology, Addis Ababa, Ethiopia.  
Hanitratina Nomenjanahary Léonnie, I. Pasteur de Madagascar  
Kabbage Maria, Medical Hospital Razi, Tanzania  
Kamau Beatrice, Nairobi City County, Kenya  
Latosinska Agnieszka, Mosaiques-diagnostics GmbH, Hannover, Germany  
Mischak Harald, Mosaiques Diagnostics, Hannover, Germany  
Mahdouani Marwa, Laboratory Human Cytogenetics, Molecular Genetics & Reproductive Biology, Tunisia  
Maifata Sadiq, Federal University Of Lafia  
Monchusi Bernice, Council of Scientific and Industrial Research, SA  
Moukouma Constantin, National I. Health Sciences Research (IRSSA)  
Mwakiyoma David, Tanzania Medicines and Medical Devices Authority, Tanzania

### Networking Session III

Nguelefack-Mbuyo, Elvine P, University of Dschang, Cameroon  
Ouragini Houyem, Pasteur Institute of Tunis  
Patrick Muhumuza, MRC/UVRI and LSHTM, Uganda  
Rass Atarah, Stellenbosch University, SA  
Ratbi Ilham, University Mohammed V, Rabat, Morocco  
Redelinghuys Shane, National I. Communicable Diseases, SA  
Said Bibie, Kibong'oto Infectious Diseases Hospital, Tanzania  
Sakwa James, Masinde Muliro U. science and technology, Kenya  
Salhi Nawel, Institut Pasteur, Algeria  
Salma Mahmoud, Suez Canal University, Egypt

### Networking Session IV

Akingbade Adebajji Modupe, Ekiti State U. Ado-Ekiti, Nigeria  
Ouma Luke, Newcastle University, UK  
Othman Houcemeddine, Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia  
Moretti Federica, University of Milano Bicocca, Italy  
Sarr Pierre Diaga, Cheikh Anta Diop University of Dakar  
Traversa Debora, Cancer Institute "Giovanni Paolo II" IRCCS - Bari, Italy  
Peter Uggh Innocent, Tanzania Better Health/ SPARK AFRICA  
Vlahou Antonia, Biomedical Research Foundation Academy of Athens, Greece  
Wekesa Elijah, Kenya medical research institute  
Wesonga Rissy, Antares Genomics, Kenya



## AGENDA

### DAY 1: Tuesday May 21, 2024

08,00-08,30 Registration  
08,30-08,50 Welcome & Opening : Alexandru Padurean, Anthony Mveyange, Erika Sela  
08,50-09,10 Introduction and training event's objectives.  
Maria Jose Ruiz. Round table: Presentation of participants  
09,10-10,00 S1: Introduction to PM Implementation & Research  
Understanding Personalised Medicine.  
Marta Vicente-Crespo  
Breakout Session 1  
10,00-10,15 Coffee & Tea break  
10,15-12,40 S2: Non-Communicable and Hereditary Diseases.  
Bring up the status of research on hereditary diseases in Africa: genetic diversity relates to diseases. Breast Cancer. Rokhaya Ndiaye Diallo  
Breast Cancer: European and African families. Urielle Ullmann  
Personalised Prognostics and Diagnostics for Improved Decision Support in Cardiovascular Diseases (Project PerCard), Mark van Gils  
Breakout Session 2  
12,40-13,30 Networking Session I  
13,30-14:30 LUNCHTIME  
14,30-16,00 S3: Infectious Diseases under PM approach  
Rapid Recognition Of Corticosteroids Sensitivity Or Resistance In Sepsis (IRECORDs), Djilali Annane  
HIV and TB under a Personalised Medicine point of view, Lilian Njagi  
Breakout Session 3  
16,00-17,50 S4: Current PM Landscape : Perspectives from Clinicians and Patients  
A review on Genomic research and PM. Clinical stories from Kenya, George Michuki  
Patient Engagement in PM Research under Paediatric vision, Begonya Nafria  
Artificial Intelligence in Paediatric Neurological Diseases: Disorders for Personalized evaluation and treatment, Giuseppina Sgandurra.  
Breakout Session 4  
17,50-18... Closing Remarks Maria Jose Ruiz  
TEA & COFFEE NETWORK

### DAY 2: Wednesday, May 22, 2024

08,15-08,20 Welcome and agenda: Marta Vicente Crespo  
08,20-10,00 S5: Clinical studies under PM approach  
Personalized Medicine Screening and Monitoring Programme for Pregnant Woman Suffering from Preeclampsia and Gestational Hypertension, Project WODIA, Stefan Wagner  
Interaction between Clinical Research and Health Technology Assessment to support decision making on the PM, Ramiro Gilardino  
Breakout Session 5a  
10,00-10,15 Coffee & Tea break  
10,15-12,10 Artificial Intelligence on PM Research: Data Quality and Interoperability (TRUMPET and FLUTE projects), Francesco Ghini and Nicola Gentili  
Pragmatic Clinical Trials applied to PM research (Impact project), Chiara Zingaretti  
Breakout Session 5b

### 12,10-13,10 LUNCHTIME

14,10-15,10 S6: Genetic Insights: Exploring the Connection to PM

The Possibilities of Personalised Medicine from molecular diagnostics point of view & Genetic counselling, Mohamed Zahir

Catalyzing Africa's genomics renaissance: Empowering African scientists for equitable progress, Samson Adegbe  
Breakout Session 6

15,10-15,20 GROUP PHOTO & Coffee & Tea break

15,20-17,50 Networking Session II

17,50-18... Closing Remarks & SOCIAL DINNER

### DAY 3: Thursday, May 23, 2024

08,15-08,20 Welcome and agenda: Maria Jose Ruiz  
08,30-09,30 S7: International Research Collaboration Research governance and ethics, Teresia Nyawira  
PM journey and importance of international collaboration, Monika Frenzel  
9,30-10,30 Networking Session III  
10,30-10,45 Coffee & Tea break  
10,45-12,00 Implementation Network for Sharing Population Information from Research Entities (INSPIRE) and implications for PM, Agnes Kiragga  
Introduction to Gaps and Challenges on PM-International Clinical studies, Maria José Ruiz  
Breakout Session 7  
12,00-12,50 Networking Session IV  
12,50-13,30 Strengthening EU-Africa collaboration in PM & the EU-Africa PerMed Action Plan: Round table by EU Africa PerMed consortium partners: Erika Sela, Monika Frenzel, Marta Vicente, Teresia Nyawira  
13,30-14,30 LUNCHTIME

14,30-15,30 Evaluation Test

Closing remarks

Maria Jose Ruiz, Erika Sela, Marta Vicente Crespo

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General Agenda for Breakouts/ Working groups:

1: Introduction to PM Implementation & Research

2: Non-Communicable and Hereditary Diseases.

3: Infectious Diseases under PM approach.

4: Current PM Landscape : Perspectives from Clinicians and Patients

5 a,b: Clinical studies under PM approach

6 : Genetic Insights: Exploring the Connection to PM

7: International Research Collaboration



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The integration of personalized medicine (PM) into national health systems is a complex process that requires careful planning and consideration of various key themes, as proposed in the literature. In this way, our 2<sup>nd</sup> Summer School will be focused on the Implementation of PM research. Implementing PM research outcomes on practices and technologies in healthcare settings requires training, infrastructure development, and coordination among healthcare providers. Ensuring that PM is seamlessly integrated into clinical workflows is essential. The primary objective is first to equip participants with knowledge and skills to set up their research under the scope of PM Implementation and second, to support the creation of research networks.

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This 2nd Summer School of the EU-Africa PerMed consortium is set up by the African Population and Health Research Center (APHRC), in collaboration with the European Clinical Research Infrastructure Network (ECRIN), the Italian Ministry of Health, the Institute for Health Research Epidemiological Surveillance and Training (IRESSEF) and Innovatec.



**African Population and Health Research Center**  
Transforming lives in Africa through research



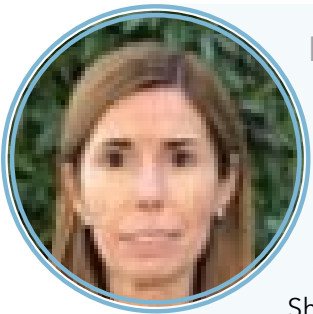
# Meet the speakers

2nd Summer School  
Speakers Booklet



**Adegbe Samson is a trained Scientist with interest in genomic literacy among the under-represented in Africa.**

He is the founder of GeneMap-Africa and helping local genomic capacity building in Nigeria using web Mercator on the ArcGIS. Samson built the first Covid-19 Mutation tracker in Africa on the ESRI ArcGIS platform for real time sharing of genomic data and annotation. He has vast experience in the intersection of Genomics and the Geographical Information System (GIS), and how the tool can be used to accelerate biomedical discoveries among the under-represented in Africa. He recently built a Human Immunodeficiency Virus (HIV) Mutation tracker in Nigeria for public health response to accelerate awareness and intervention. Adegbe was the cofounder of HackBio, a platform that trained about two (2) thousand African scientists in Bioinformatics and genomics. He was an independent monitor for the World Health Organization (WHO) for both polio and measles vaccination programs in Ilorin, Kwara state, Nigeria.



**Begonya Nafria Escalera, patient engagement and research coordinator, Sant Joan de Déu Children's Hospital (Spain).**

She is a patient engagement and research coordinator at Sant Joan de Déu Children's Hospital (Spain). She has long experience in the field of patient and family involvement in research initiatives. She also has a personal story as a caregiver and patient advocate because she is the sister of a young adult with cerebral palsy.

She specializes in pediatric patients' involvement in research, particularly clinical trials and health innovation. She is currently a PhD student in patient involvement in the pediatrics field, specifically in a thesis project about the rights of children and young people participating in clinical trials.





# Meet the speakers

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## **Chiara Zingaretti, Clinical Project Manager, Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori" (IRCCS IRST)**

Chiara Zingaretti is a biotechnologist and molecular biologist, with Ph.D. in molecular and cellular pathology. She has been working in biomedical research since 2004 in companies and research foundations. From 2014 she worked in the clinical research field, with particular focus on hematological and oncological diseases. Currently she holds the role of clinical project manager and clinical monitor at the academic Contract Research Organization of IRCCS IRST (Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori"), where she manages several investigator initiated clinical studies and European-funded projects.



## **Djillali Annane, professor, University Paris Saclay and University Versailles SQY**

Djillali Annane is a professor in medicine at University Paris Saclay and University Versailles SQY. He is director of General ICU at Raymond Poincaré Hospital, director of FHU SEPSIS, director of IHU PROMETHEUS, and Honorary Dean of Medical School Simone Veil. He is ranked among the top 0.1% in the field of sepsis. He has contributed to international and multi-disciplinary guidelines, to about 630 peer-reviewed articles and about 170 book chapters. He held or currently holds high-level strategic position in the public sector, including Chief Counsellor of the French Minister of Health, Chair of the Health Ministry Task Force against Sepsis, member of the board of directors of the Curie Institute, member of several WHO Working Groups, past President of the French Society of Intensive Care Medicine, past Vice President of the national council of deans of medical school.



# Meet the speakers

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**Erika Sela is Senior Consultant and co-founder of Innovatec, a Spanish consultancy firm with a broad and long-term expertise in R&I activities.**

She has a bachelor's degree in biology. She has over 30 years' experience in R&D management activities in different positions and organizations. During the last years, her main activity has been dedicated to European projects, both as coordinator of actions as well as participating in different projects in the fields of health research, Responsible Research and Innovation and personalised medicine. She has also expertise in monitoring and evaluation of R&D projects and programmes, and is the co-author of the publication "Impact oriented monitoring: A new methodology for monitoring and evaluation of international public health research projects" (<https://doi.org/10.1093/reseval/rvu034>) She is now the coordinator of the H2020 project EU-Africa PerMed: Building Links Between Europe and Africa in Personalised Medicine.



**Francesco Ghini is a molecular biologist with a Ph.D. in Molecular Medicine.**

Since 2014, he has concurrently developed robust communication skills in scientific communication, scientific event planning, and health marketing, bridging his scientific expertise with communication abilities. During his scientific career, he made significant contributions with peer-reviewed publications on the mechanisms of action of non-coding RNAs in cancer. He was frequently invited to speak at numerous international conferences because of his experience. Today, he serves as the Dissemination Manager at IRST for various European-funded projects and plays a key role in the institute's business development efforts. His primary responsibilities include delivering scientific presentations and talks, managing European-funded projects, creating communication plans, planning international events, handling digital communication, managing public relations, and cultivating media relations.



EU-Africa PerMed has been funded by the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement Number 964333

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**Marta Vicente- Crespo, CARTA Program Manager, APHRC**

Marta leads the training and fellowship component of the Consortium for Advanced Research Training in Africa and the implementation of the new strategic objective of creating research hubs at partner institutions at the African Population and Health Research Center. She is a developmental biologist by training, dedicated to building research capacity in Africa. She has over ten (10) years of considerable experience in research capacity strengthening at several African universities and research centers and 12 years of experience studying the impact of gene expression regulation at mRNA level on early animal development and human disease. She co-founded DrosAfrica, an initiative that promotes the use of the fruit fly, *Drosophila melanogaster*, in African biomedical research.



**Maria Jose Ruiz Alvarez, Scientific Officer, International Research Co-Operative Group, It MoH/ISS, General Directorate for Research and Innovation in Healthcare, Italian Ministry of Health**

Dr Maria Jose Ruiz Alvarez Medical, member of the Research Coordination and Promotion Service (CORI) in the Italian National Institute of Health (ISS), works as Scientific officer at the Directorate General for Research and Innovation in Healthcare in the Italian Ministry of Health (It-MoH); and, She is a European Correspondent (EuCo) for Italy in ECRIN (European Clinical Research Infrastructure Network).

Medical doctor as degree, before joining the CORI, she worked as a researcher at the Human immunodeficiency viruses (HIV) Centre (ISS). She represents It MoH in several transnational collaborations and international funding programs, mainly in the field of One Health Antimicrobial Resistance and Personalised Medicine (PM). In the field of the PM, has been part of the CSA EULAC PerMed, ERA-Net on Personalised Medicine (ERA PerMed) as JCS 2021 and leading the WP7, involved in Patient Engagement on PM research, the CSA EU-Africa PerMed that fosters collaboration with Europe and Africa in the field of Personalised Medicine. Currently, She represents the It-MoH within the European Partnership on PM (EP PerMed)



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## **Monika Frenzel, French National Research Agency (ANR), France**

Dr Monika Frenzel, International Coordinator in the Biology and Health department of the French National Research Agency (L'Agence Nationale de la Recherche, ANR), represents ANR in several transnational collaborations and international funding programmes.

As such, she is part of the coordination and support action (CSA) ICPeMed Secretariat and ICPeMed itself. She represents ANR within the ERA-Net on Personalised Medicine, ERA PerMed, and is appointed chair for the respective programme for already 4 years. She furthermore, represents ANR in the Coordination and Support Action (CSA) EU-Africa PerMed "Building Links Between Europe and Africa in Personalised Medicine".

Monika Frenzel completed her PhD in Physical Biochemistry and Radiation Biology and worked as researcher in the field of cytogenetics and cohort studies.



## **Nicola Gentili, Computer Science professional, Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori" (IRCCS IRST)**

Nicola Gentili is a Computer Science professional at the IRCCS IRST (Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori"). Coordinator of Data Unit of the IRST works as Data Scientist, Business developer, and researcher in the Outcome Research Unit. Nicola is pursuing studies in Digital Transformation Management and actively collaborates with the Emilia-Romagna Healthcare System. He holds roles in the Steering Committee of Progetto Sanità Digitale Romagna, the Scientific Committee of Laboratorio Sanità Digitale Romagna and represents the IRCCS IRST in the Board of Directors of Associazione Big Data Emilia-Romagna.



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## **Ramiro Gilardino, Global Access & HTA Policy leader at MSD**

Ramiro Gilardino, MD, MSc, serves as Global Access & HTA Policy leader at MSD, where he is responsible for Access and HTA policy-shaping activities working collaboratively with other Global Functions within Global Human Health, Corporate and Merck Research Laboratories. He held positions at BMS, Johnson & Johnson Medical Devices, and Omnicom Health Group and was Director for Consulting and policy partnerships at ISPOR. Through his 14 years of global experience, he developed patient-centered value analysis, outcomes research, and economic modeling of medical technologies. He also led health policy strategies such as strengthening health technology assessment in emerging countries, patient participation in decision-making, and public-private integration to improve universal health coverage. Dr. Gilardino serves as an independent advisor to Decide Health®, HTA Decision Hub part of the World Health Organization, a regional advisor to the Americas Health Foundation and has Advised on COVID health financing for the World Bank and Partnerships for Health financing initiative.



## **Rokhaya Ndiaye, professor of Human Genetics, University Cheikh Anta Diop, Senegal**

Rokhaya Ndiaye is professor of Human Genetics, holding the chair of Human Genetics at the Faculty of Medicine, Pharmacy and Odonto-Stomatology at University Cheikh Anta Diop in Senegal. She did her basic training in Pharmacy at University Cheikh Anta Diop of Dakar and completed a PhD in Human Genetics at University Paris 7 in France.

She is an alumna of the US Fulbright program, founding member and general secretary of the Senegalese Society for Human Genetics (S2GH), member of the executive committees of the African Society of Human Genetics (AfSHG) and the H3Africa consortium.

Her research interests focused on the role of genetic variation in cancer predisposition with a focus on breast/ovarian and oral cancers. She is also interested in unravelling the genetic diversity of the West African population to pave the way for the implementation of personalized medicine in the near future. She is leading the Senegalese Reference genome project SEN-GENOME.



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## **Teresia Nyawira, Principal Scientist, National Commission for Science Technology and Innovation, Kenya**

Teresia Nyawira currently serves as a Principal Scientist in the Health and Biological Sciences Department of the National Commission for Science Technology and Innovation, Kenya. Ms. Nyawira has a Masters in Immunology from Kenyatta University (Kenya), a second Masters in Global Bioethics from Anahuac University (Mexico) and is currently pursuing a PhD in Molecular Medicine. Ms. Nyawira has been instrumental in the regulatory process of research activities in Kenya, particularly in ensuring ethical standards are adhered to in research. She has participated in the establishment of national structures and development of regulatory frameworks for ethical review of research activities as well as capacity development of ethics review committees. She has served in the secretariat National Scientific and Ethics Review Committee for five years. Ms. Nyawira serves as the Institutional Coordinator of the EU-Africa Personalised Medicine project.



## **Urielle Ullmann, Medical Geneticist, Academic Erasmus Hospital of the ULB (HUB Brussels).**

Dr Urielle Ullmann earned her medical degree in 1999 at Brussels, Belgium's Université Libre de Bruxelles (ULB, a French-speaking open university). After a fellowship for research in the domain of embryonic stem cells at the Vrije Universiteit Brussel (VUB, Dutch-speaking free university of Brussels), she completed her specialization in Internal Medicine in 2008 and defended her PhD in Medical Sciences in 2009. In 2008, she began as geneticist resident in the medical genetics department at the VUB university hospital (AZ-VUB for a specialization in medical genetics. In 2016, she spent one year in London as consultant scientist, in the department of neuromuscular diseases of Great Ormond Street Hospital for Children (GOSH Hospital, Prof. Muntoni). After ten years at the IPG (Institut de pathologie et génétique, Gosselies, Belgium, Prof. Dahan) as medical geneticist, she is currently working at the Academic Erasmus Hospital of the ULB (HUB Brussels). Her area of expertise is in genetic counselling for adults: oncogenetic pathologies, neurologic disease, collagenopathy and complex internal medicine pathologies. In addition to her clinical activities, Dr Ullmann spent 6 years teaching genetics to midwives in Belgium.

