

Conference Program

Beefing up Omics Research at Institut Pasteur, Tunis

September 28, 2022

Morning Session

Opening and Project Overview

09:00-09:30

Welcome address

Helmi Mardassi, PHINDaccess coordinator
Director General, Ministry of Higher Education and Scientific Research
Hechmi Louzir, Director General, Institut Pasteur de Tunis (IPT)
Ali M'rabet, Minister of Health
Moncef Boukthir, Minister of Higher Education and Scientific Research
Rajeh Khemiri, Project Manager, Delegation of the European Union to Tunisia

09:30-10:00

PHINDaccess: overview and outputs

Helmi Mardassi, PHINDaccess coordinator

10:00-10:30

Building upon PHINDaccess outputs

Hechmi Louzir, Director General, IPT

10:30-11:00 Coffee Break and Poster Session

Scientific Symposium: *Accelerating Discovery in Pathogen-Host Interaction*

Moderators: Koussay Dellagi (SAB member), Sadri Znaidi (IPT)

11:00-11:30

Keynote lecture: New avenues in comparative genomics

Toni Gabaldon, SAB member

11:30-11:45

EvoPolio: Poliovirus Genome and Quasi-Species Evolution in Patients with Primary Immunodeficiencies

Sondes Haddad, IPT

11:45-12:00

LeishNet: BMdMs Response to *Leishmania major* is driven by M-CSF Differentially Expressed Genes in Susceptible and Resistant Mice

Lamia Guizani, IPT / **Ralf Herwig**, MPG

12:00-12:15

TransLeish: Is Virulence in the Sequence? Genomic and Transcriptomic Insights from *Leishmania* Field Isolates

Fatma Guerfali, IPT / **Dhafer Laouin**, IPT

12:15-12:30

LeishkDNA: Sequencing and Characterization of the Kinetoplast Genome of *Leishmania* Parasite

Emna Harigua, IPT

12:30-12:45

HitTheileria : Genomic investigation of the resistance of *T. annulata* to Buparvaquone and the molecular interaction of the drug with cytochrome b

Kaïs Ghedira, IPT

12:45-13:00

Q&A session

13:00-14:30 Lunch

Afternoon Session

Scientific Symposium: Accelerating Discovery in Pathogen-Host Interaction

Moderators: Dhafer Louini (IPT), Claudia Chica (IP)

14:30-14:45

EvoTB: Genomic Changes Underpinning Local Adaptation of *Mycobacterium tuberculosis* Latin American & Mediterranean Sublineage (L4.3/LAM)

Helmi Mardassi, IPT / **Naira Dekhil**, IPT

14:45-15:00

EvoMH: Unraveling the Evolution of *Mycoplasma hominis* through its Genome Sequence

Salim Chibani, IPT

15:00-15:15

ChroniCandida: Mutations in Zinc Cluster Transcription Factors as Drivers of *Candida albicans*' Adaptative Growth in the Cystic Fibrosis Lung Environment

Sadri Znaidi, IPT

15:15-15:30

MicroBirth : Longitudinal and Comparative Analysis of Gut Microbiota of Tunisian Newborns According to Delivery Mode

Oussama Souiai, IPT

15:30-15:45:

DiaBiomark: Deciphering Potential Link between Gut Microbiota and Human Genome in Diabetes Patients and Controls

Rym Kefi, IPT

15:45-16:00

Q&A session

16:00-16:15 Refreshment

Slam Session

Moderators: Hichem Ben Hassine (IPT), Damjana Kastelic (CRG), Jonas Krebs (CRG)

16:15-16:45

Science Slam session

Zied Bouslama, **Nadine Khadraoui**,
Amal Zammeli, **Imen Bassoumi-Jamoussi**, IPT

Round Table

Moderators: Helmi Mardassi, Natalia Pietrosevoli (IP)

16:30-16:45

PHINDaccess contribution to IPT's response to the Covid-19 Pandemic

Kais Ghedira, IPT

16:45-17:30

Consolidating IPT positioning as a regional key player in pandemic preparedness (Network, Infrastructure, training)

Participants:

Nissaf Ben Alaya, Director General of the National Observatory of New and Emerging Diseases

Myriam Khrouf, Director of Research, Ministry of Health

Hechmi Louzir Director General, IPT

Koussay Dellagi, PHINDaccess SAB member

Marc Monot, Head of Biomics Platform, Institut Pasteur, Paris (IP)

17:30 Closing

Helmi Mardassi, PHINDaccess coordinator

18:00-19:00 Networking Cocktail