



**Arab-German Young Academy of Sciences
and Humanities (AGYA) in collaboration with
Institut Pasteur de Tunis**

International Workshop:

In Silico Drug Design and Repurposing for Rare Diseases

2- 3 December 2024

PROGRAM

2 December 2024

Institut Pasteur de Tunis, Tunisia

08:00-08:45

– Participant Registration

08:45-09:30

Welcome Adresses Presented by:

- Professor Samia Menif, General Director of Institut Pasteur de Tunis (IPT)
- Dr. Lilia Romdhane, Faculty of Science de Bizerte / Institut Pasteur de Tunis & AGYA Member

09:00-09:30

– Lecture 1: Drug Discovery and Repurposing: Basics and Fundamentals & QA

Speaker: Dr. Nourelhouda Ben Fatma & Dr. Radhwen Mhidi

Agence Nationale du Médicament et des Produits de Santé/Hôpital Charles Nicolle de Tunis, Tunisia

09:30-10:00

– Lecture 2: Advances in Genomics for Drug Discovery & QA

Speaker: Dr. Kais Ghedira, *Laboratory of Bioinformatics, Biomathematics and Biostatistics, Institut Pasteur de Tunis, Tunisia*

10:00-10:30

–Lecture 3: Computational Drug Design: The Role of Structural Bioinformatics & QA

Speaker: Dr. Joseph Rebehmed, *Lebanese American University, Lebanon*

10:30-11:00

– Coffee Break

11:00-11:30

–Lecture 4: AI and Multiscale Modeling Approaches for Studying the Pharmacogenomic Landscape: Promises and Challenges & QA

Speaker: Dr. Houcemeddine Othman, *Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia*

11:30-12:00

– Lecture 5: Integrating in Cellulo and in Silico Approaches for Enhanced Drug (Re)Discovery & QA

Speaker: Dr. Walid Elgaher, *Department of Drug Design and Optimization Helmholtz Institute for Pharmaceutical Research Saarland Germany & AGYA Member*

12:00-12:30

– Lecture 6: Engineering Enzymatic Assembly Lines for Drug Discovery and Development

Speaker: Dr. Kenan Bozhüyük, *Helmholtz Institute for Pharmaceutical Research Saarland (HIPS) & Helmholtz Centre for Infection Research (HZI), PharmaScienceHub (PSH), Germany*

12:30-14:00

– Lunch Break

14:00-17:00

– Practical Session 1

Instructors: Dr. Houcemeddine Othman & Dr. Oussema Khamessi, *Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia/Laboratory of Bioinformatics, Biomathematics and Biostatistics, Institut Pasteur de Tunis, Tunisia*

3 December 2024

Institut Pasteur de Tunis, Tunisia

09:00-10:30

- Practical Session 2

Instructors: Dr. Houcemeddine Othman & Dr. Oussema Khamessi, *Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia/Laboratory of Bioinformatics, Biomathematics and Biostatistics, Institut Pasteur de Tunis, Tunisia*

10:30-11:00

– Coffee Break

11:00-12:30

– Practical Session 2 (continued)

Instructors: Dr. Houcemeddine Othman & Dr. Oussema Khamessi, *Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia/Laboratory of Bioinformatics, Biomathematics and Biostatistics, Institut Pasteur de Tunis, Tunisia*

12:30-14:00

– Lunch Break

14:00-17:00

– Practical Session 3

Instructor: Dr. Houcemeddine Othman & Dr. Oussema Khamessi, *Department of Genetics, Farhat Hached University Hospital, Sousse, Tunisia//Laboratory of Bioinformatics, Biomathematics and Biostatistics, Institut Pasteur de Tunis, Tunisia*

