



Scientific Program of 2ICB'24

Wednesday November 13, 2024

08:00 - 08:55

REGISTRATION

09:00 - 09:30

Welcoming address and Opening:

- The Rector of M'Hamed Bougara University of Boumerdes (UMBB): Pr. YAHY Mostepha.
- The Vice-Rector in charge of External Relations, Cooperation, Animation and Communication and Scientific Events (UMBB): Pr. TAIRI Abdelaziz.
- The Dean of the Faculty of Sciences (UMBB): Pr. DAOUI Abdelhakim.
- The Head of the Biology Department: Dr. MESSAOUDENE Djamel.
- The President of the 2ICB'24: Pr. KHEMILI-TALBI Souad.
- The Vice-President of the 2ICB'24: Dr. SADAOUY-SMADHI Nesrine.

Honory presidents:

- Pr. HALOUANE-SAHIR Fatma (Directorate of Research Programming, Evaluation and Foresight, DGRSDT).
- Pr. CHAHBAR-ADIDOU Nora (Vice Dean Vice Dean in charge of Post-Graduation, Scientific Research and External Relations, UMBB).
- Pr. KEBBOUCHE-GANA Salima (Director of BMAB Laboratory, UMBB).

1st Plenary Conference

09:40 - 10:10

Dr. AID-BOUDRIES Malika (Harvard University, USA):

From Code to Cure: Accelerating Medical Research with Bioinformatics, Genomics, Systems Biology, and AI.

10:10 - 10:25

Questions & answers

10:30 - 10:45

Morning Tea / Coffee Break

Session I: Guest speakers

Moderators: Dr. AID-BOUDRIES Malika & KEBBOUCHE-GANA Salima

10:50 - 11:20

Dr. BELHOCINE Mohamed (Arabian Gulf University of Bahrain):

DNA methylation as a new tool for the differential diagnosis between T-LBL and lymphocyte-rich thymoma (Using Machine Learning strategy).

11:25 - 11:55

Dr. NAIT MOHAMED Faez Amokrane (MIT & Harvard, USA):

Single-cell RNA-sequencing reveal an immunological pathway that generates antibody protection against group 1 and group 2 influenza A viruses after vaccination.

11:55 - 12:10

Questions & answers

12:15 - 13:15

LUNCH

Session II: Guest speakers

Moderators: Pr. HAMIDECHI Abdelhafid & Pr. KADRI Nabil

13:30 - 14:00

Pr. MERGHOUB Taha (Weill Cornell Medicine, NY, USA) (*online*):

Enhancing Anti-tumor Immunity Through Multidisciplinary Science.

14:05 - 14:35

Pr. BITAM Idir (Centre de Recherche en Agropastoralisme-Djelfa, Algeria):

Emerging technologies in medical diagnosis in Algeria.

14:40 - 14:55

Questions & answers

15:00 - 16:00

Afternoon Tea / Coffee Break & 1st POSTERS SESSION (P1-P35)

Session III: Guest speakers

Moderators: Dr. BELHOCINE Mohamed & Dr. NAIT MOHAMED F.A.

16:05 - 16:35

Dr. EDDAIKRA Naouel (Pasteur Institute of Algeria):

Leishmania infantum tissue tropism based on parasite genetic background.

16:40 - 17:10

Dr. DJEGHOUT Bilal (Quadram Institute Bioscience, Norwich, UK):

Unveiling *Campylobacter* epidemiology: Direct metagenomic sequencing in gastrointestinal infections.

17:15 - 17:45

Pr. ABEKHTI Abdelkader (University of Ahmed DRAIA Adrar, Algeria):

Microbial Metagenomic, and its applications in human health.

17:45 - 18 :00

Questions/answers & Closing of the first day



Thursday November 14, 2024

08:00 - 08:55 REGISTRATION

2nd Plenary Conference

Moderators : Pr. KHEMILI-TALBI Souad & Dr. AIT-IDIR Djouher

09:00 - 09:30 Pr. GILIS Dimitri (Université libre de Bruxelles, Belgium):

Food allergens: databases and prediction methods.

09:35 - 09:55 Questions & answers

10:00 - 11:00 Morning Tea / Coffee Break & 2nd POSTERS SESSION (P36-P72)

Session IV: Guest speakers

Moderators: Dr. SADAUI-SMADHI Nesrine & Dr. DJEGHOUT Bilal

11:00 - 11:30 Dr. NDEW MBAYE Mame (Université Cheikh Anta Diop de Dakar, Senegal) (*online*):

Development of a fitness predictor of proteins involved in antimalarial drug resistance based on structural and evolutionary data.

11:35 - 12:05 Pr. GAGAOUA Mohammed (Institut national de recherche pour l'agriculture, l'alimentation et l'environnement, France) (*online*):

Contribution of bioinformatics and integromics to the analysis of proteomics data: The case of biomarkers discovery and understanding the mechanisms behind meat quality determination.

12:35 - 12:55 Questions & answers

13:00 - 14:00 LUNCH

Session V: Guest speakers

Moderators: Pr. BENSLIMANE Hamida & Pr. BENZINA Farida

14:05 - 14:35 Dr. BELAOUNI Hadj Ahmed (Agri-Food and Biosciences Institute, Belfast, Northern Ireland, UK):

Leveraging NCBI Datasets for Genomic Insights into Pest Management Strategies.

14:40 - 15:10 Pr. BENSLIMANE Hamida (National High collage of Agriculture Sciences, Algeria):

Diagnostic of plant diseases in Algeria using molecular methods associated to bioinformatics tools: Causal agents of corn diseases identification as a case of study.

15:15 - 15:45 Dr. NAJJARI Afef (University of Tunis El Manar, Tunisia):

Bioinformatics tools for bacterial pangenomic analysis: the case of *Psychrobacillus* species.

15:50 - 16:10 Questions & answers

16:15 - 17:15 Afternoon Tea / Coffee Break & 3rd POSTERS SESSION (P73-P110)

17:20 - 18:00 Panel discussion and Conference resolution/closing.