The 9th International congress of Biochemistry and Microbiology Applied Technologies "BMAT-2026"

6-8 November 2026, Sousse, Tunisia

Preliminary BMAT-2026 Program

Friday 6 November 2026

09h00 - 12h30 : Reception and Registration of the **BMAT-2026** participants

12h30 - 14h00 : Lunch

14h00 - 14h30 : Official Opening Speechs

- Speech of BMAT-2026 Chair, **Prof. Taoufik GHRAIRI**
- Speech of Carthage University President, **Prof. Nadia MZOUGHI-AGUIR**
- Speech of Tunis El-Manar University President, **Prof. Moez CHAFRA**
- Speech of CBBC General Director, **Prof. Chokri MESSAOUD**

Chairmen : Prof. Taoufik GHRAIRI and Prof. Olfa MASMOUDI

14h30 - 15h00: Plenary Lecture, **Pr. Amadi IHUNWO,** University of the Witwatersrand, Johannesburg, South Africa
«Interfacing Research in Neuroscience, Biochemistry and Microbiology»

15h00 – 16h30 : Oral presentations : **HO-01 to HO-09**

16h30 - 17h00 : Coffee Break

Chairmen : Prof. Jacques NOËL and Prof. Nedra ASSES

17h00 - 17h30: Plenary Lecture, Pr. Moez RHIMI, INRAE Jouy-en-Josas, France
«Decoding the Microbiome: From Quantitative Metagenomics to Personalized Health and Cohorts»

17h30 – 18h30 : Oral presentations : **BO-01 to BO-06**

18h30 – 19h30 : Poster Session : **(Biotechnology)**

19h30 – 21h00 : Dinner

Saturday 07 November 2026

Chairmen : Prof. Haythem MHADHBI and Prof. Mohamed MOURADI

09h00 - 09h30 : **Keynote Lecture**, **Pr. Pierre FRENDO,** Cote d'Azur University, France
«Nitrogen-fixing symbiosis triggers defence priming against aphids in pea»

09h30 - 10h30 : Oral presentations **: BO-07 to BO-12**

	Symposium 1: Gut microbiome and inflammatory diseases Chairmen: Prof. Moez RHIMI and Chedly CHOUCHANI	Symposium 2: Neurosciences and Neuroprotection Chairmen: Prof. Taoufik GHRAIRI and Prof. Carole ROVERE	Symposium 3: Artificial intelligence at the service of scientific research
10h30 -12h30	**Juan HERNANDEZ,** INRAE Jouy-en-Josas, France, "Key role of proteolytic imbalance in canine chronic enteropathies" **Meshal ALMALKI,** INRAE Jouy-en-Josas, France, "Microbial serine proteases and IBD: new actors under the spotlight" **Tristan MERIC**, INRAE Jouy-en-Josas, France, "Clinical Efficacy of Probiotics in Human and Canine Chronic Inflammatory" Enteropathies **Claire VÉROLLET** , INRAE Jouy-en-Josas, Fecal Microbiota Transplantation in Dogs with Chronic Inflammatory Enteropathy **HO-16 to HO-24**	**Dr. Naima CHALOUR,** Univ. Sci. & Technology Houari Boumediene, Algeria, AβPP-induced UPR transcriptomic signature of glial cells to oxidative stress as an adaptive mechanism to preserve cell function and survival " **Pr. Amadi IHUNWO,** University of the Witwatersrand, South Africa "Brain data Governance in Africa: The Brain Research International Data Governance & Exchange (BRIDGE) Project" **Pr. Abid OUESLATI**, University Laval, Canada, "Development of a novel optogenetic-based model of a-synuclein aggregation to study a-synucleinopathies" **HO-25 to HO-29**	**Prof. Ridha MHAMDI,** CBBC, Tunisia Literature search (Scopus AI & Research Assistant) Data analysis (DeepSeek + R/RStudio) - Installation and setup - Crafting effective prompts to generate functional R scripts - Automating data analysis and visualization Discussion and exchanges - Presentation of other AI tools - AI and research ethics

12h30 - 14h00 : Lunch

Chairmen: Prof. Raja SERAIRI and Prof. Anis ELAOUD

14h00 - 14h30 : **Prof. Serifa CEVIK**, University of Applied Sciences in Isparta, Türkiye
«Valorization of Olive Mill Wastewater: Recovery of High-Value Phenolic Compounds for a Circular Olive Bioeconomy»

14h30 - 16h10 : Oral presentations : **BO-13 to BO-21**

16h10 - 16h40 : Coffee Break

Chairmen: Prof. Rachid AZZI and Prof. Imed REGAYA

16h40 -17h10 : **Keynote Lecture**, **Pr. Mohamed MOURADI**, Mouley Slimane Beni Mellel University, Morocco
«Enhancing Legume Resilience to Abiotic and Biotic Stresses: Genetic Diversity, Seed Priming and Microbial–Silicon Partnerships»

17h10 - 18h10 : Oral presentations : **HO-10 to HO-15**

18h10 – 19h30 : Poster Session : **(Health + Industry Application)**

19h30 – 21h00 : Dinner

Sunday 08 November 2026

Chairmen: Pr. Riadh KSOURI and Prof. Serife CEVIK

09h00 - 09h30 : Keynote Lecture, Pr. Mohamed BOUAZIZ, Sfax university, Tunisia
«Olive by products: low-cost, renewable source of high added value phenolic compounds and their biological activities and functional Food»

09h30 - 11h30 : Oral presentations : **IA-01 to IA-07**

09h00 - 11h30 :

Symposium 4: Mediterranean Pollution and Brain Health : Highlights of the PSYCOMED project

Chairmen: Prof. Amadi IHUNWO and Prof. Pierre FRENDO

Pr. Jacques NOËL, Côte d'Azur university, "France Chronic osteoarthritis is associated with neuronal loss in cortical pain circuits"

Pr. Olfa MASMOUDI, University Tunis El Manar, "Tunisia, PACAP Protects against neurotoxicity induced by prenatal exposure to Nanoplastics and Glyphosate: Lasting effects on behavior, oxidative Stress, DNA methylation, and neuroinflammation"

Pr. Carole ROVERE, Côte d'Azur university, France, "Ultra-processed food and pollutants: Impact on brain functions"

Pr. Marie-Anne LESSLIEC, Rouen University, France

HO-30 to HO-34

11h30 – 11h50 :

Award ceremony for the best Oral Communication

Award ceremony for the best Poster Communication

11h50 : Official Closing of BMAT-2026