

Under the High Patronage of His Excellency
the President of the Republic of Lebanon

GENERAL JOSEPH AOUN



12th International Meeting

Oncology, Immunology, and Cancer Biology

 **22-23 May 2025**

 **Lebanese University, Conference Hall,
Rafic Hariri University Campus, Hadat**

Organized by:

*Faculty of Science
Faculty of Medical Science
Faculty of Pharmacy
Faculty of Public Health
Doctoral School of Science and Technology
Lebanese University Medical Center*

WELCOME NOTE



Dear colleagues and valuable attendees,

It is with great pleasure and honor that we welcome you to the **BIOBEIRUT 12 International Meeting 2025**, hosted at the Lebanese University and held under the High Patronage of His Excellency the President of the Republic of Lebanon General Joseph AOUN.

This distinguished gathering brings together leading scientists, researchers and clinicians from across the globe to share their insights, innovations, and collaborative spirit in the field of immunology, oncology and cancer biology.

This year's meeting promises a dynamic program featuring keynote lectures and clinical research discussions across a range of disciplines. From cancer cell biology and signaling to new advancements in clinical oncology therapies, BIOBEIRUT 12 aims to foster dialogue, spark new research ideas and innovative treatments, and build lasting partnerships.

BIOBEIRUT International Meeting is becoming a dedicated and broad dialogue platform in Lebanon, keeping professionals and students up to date with the most recent and significant developments in these rapidly evolving fields and facilitating the development of multidisciplinary collaboration and interactions.

We look forward to two days of inspiring exchange and meaningful connections.

Welcome to BIOBEIRUT 12 International Meeting 2025.
Welcome to the Lebanese University.

Professor Elie HADCHITY,
*Dean of the Faculty of Public Health
Lebanese University*

PROGRAM

THURSDAY, MAY 22, 2025

Time	Topic
SCIENTIFIC PROGRAM	
08:00 - 09:00	Welcome and Registration
09:00 - 10:40	Session I - New Advancements in Oncology Treatments
Moderators: Saada ALAME, MD, Hasna BOU HAROUN, PhD, Hazem ASSI, MD	
09:00 - 09:25	Novel Biological Molecules for Malignancies Treatment Ghassan ABOU ALFA, MD, JD, MBA - Memorial Sloan Kettering Cancer Center, New York - USA
09:25 - 09:50	Immunotherapy and Cancer Vaccines as Applied to High-Risk Kidney Cancer Toni CHOUEIRI, MD - Dana Farber Cancer Institute, Harvard - USA
09:50 - 10:15	Theranostics in Prostate Cancer Mohamad HAIDAR, MD - American University of Beirut, Lebanon
10:15 - 10:40	The Evolution of Therapies and Concepts in Solid Tumors: More Patients Benefit and Personalized Approach Ahmad AWADA, MD, PhD - Chirec Cancer Institute, Brussels - Belgium
10:40 - 12:00	Break
12:00 - 13:00	Opening Ceremony Granting of a Doctorate Honoris Causa Professor Ghassan ABOU ALFA and Professor Toni CHOUEIRI
13:00 - 14:00	Cocktail
14:00-16:05	Session II - Advances in Therapeutics and Cancer Biology
Moderators: Eva HAMADE, PhD, Walid Rachidi, PhD, Mazen Kurdi, PhD	
14:00 - 14:25	Targeting Netrin-1 in Cancer : From an Alternative Cell Death Mechanism to Clinical Development Patrick MEHLEN, MD - Centre Léon Bérard, Lyon - France
14:25 - 14:50	Xeroderma Pigmentosum: Genetics of Skin and Internal Cancers Sergey NIKOLAEV, MD - Gustave Roussy, Paris - France
14:50 - 15:15	Novel Strategies for Cancer Vaccines and Cancer Immunotherapy Roberto ACCOLLA , MD - University of Insubria, Varese - Italy
15:15 - 15:40	Molecular Mimicry and Cancer Vaccines Luigi BUONAGURO, MD - National Cancer Institute "Pascale", Naples - Italy
15:40 - 16:05	Lung Cancer: How New Therapeutic Strategies with Immunotherapy and Targeted Therapies Have Changed the History of This Disease Francesco GROSSI, MD - University of Insubria, Varese - Italy

PROGRAM

FRIDAY, MAY 23, 2025

Time	Topic
09:00 - 10:20	Session III - Advances in Cancer Cell Signaling <i>Moderators: Nathalie KHREICH, PhD, Hala CHAMIEH, PhD, Nader HUSSEIN, PhD</i>
09:00 - 09:20	Membrane Matters: A Biophysical Leap in Cancer Diagnosis and Treatment Arnaud VIGNERON, MD - <i>Université Grenoble Alpes, Grenoble France</i>
09:20 - 09:40	Toward Brain Tumor Next Generation Precision Medicine Using Digital and Tumoroids Avatars, Artificial Intelligence and Micro-Nano-Technologies Francois BERGER, MD - <i>Grenoble-Alpes University, Grenoble - France</i>
09:40 - 10:00	Liver Cancers: Present and Future Therapeutic Options Aksam MERCHED, MD - <i>Institut d'Oncologie de Bordeaux, Bordeaux - France</i>
10:00 - 10:20	How Do Protein Dynamics Impact the Response to Antiestrogens in Breast Cancer? Muriel LEROMANCER, MD - <i>Centre Léon Bérard, Lyon - France</i>
10:20 - 10:40	Coffee Break
10:40 - 12:20	Session IV - Advances in Cancer Cell Signaling <i>Moderators: Majida JALBOUT, PhD, Toufic RENNO, PhD, Haidar AKL, PhD</i>
10:40 - 11:00	Inhibition of ERK-MyD88 Interaction, a Novel Approach to Cancer Treatment Isabelle COSTE, MD - <i>Centre Léon Bérard, Lyon - France</i>
11:00 - 11:20	When Protein Methylation Controls Breast Cancer Metastatic Spread Nicolas REYNOIRD, PhD - <i>Institute for Advanced Biosciences, Grenoble - France</i>
11:20 - 11:40	XP-C in Skin Biology: A Driver of Inflammatory Signaling and Pigmentation Dysregulation Ali NASRALLAH, MD - <i>Bordeaux Research Institute of Oncology, Bordeaux- France</i>
11:40 - 11:55	Unveiling XPC Pathophysiology: Insights from 3D Reconstructed Skin and CRISPR/Cas9-Edited Melanocyte Models Zeinab EL DOR, MSc - <i>Université Grenoble Alpes, CEA - Grenoble France</i>
11:55 - 12:20	Assessing the Spatial Interplay of Tumor Heterogeneity and Its Microenvironment in Breast Cancer Zeinab HOMAYED, MD - <i>Cancer Research Centre of Marseille, Marseille - France</i>
12:30 - 13:30	Lunch Break

PROGRAM

FRIDAY, MAY 23, 2025

Time	Topic
13:30 - 15:10	Session V - Advances in Cancer Clinical Research <i>Moderators: Ahmad AWADA, MD, Fadi ABDELSATER, PhD, Nabil ELZEIN, PhD</i>
13:30 - 13:50	De-escalation in Breat Cancer Management: Rethinking Treatment in the Era of Precision Oncology Hazem ASSI, MD - <i>American University of Beirut, Lebanon</i>
13:50 - 14:10	The Liquid Biopsy: A Magic Tool to Tailor the Cancer Treatment Hampig Raphaël KOURIE, MD - <i>Saint Joseph University, Hotel Dieu de France, Lebanon</i>
14:10 - 14:30	Success of Immunotherapy in NSCLC: Why Not All Tumors? Fadi FARHAT, MD - <i>University of Balamand, Lebanon</i>
14:30 - 14:50	Applying Immunology Research to Advance Cancer Treatment Bassam MATAR, MD - <i>Faculty of Medical Science, Lebanese University, Lebanon</i>
14:50 - 15:10	Advances in Cancer: Bispecific Antibodies across Hematology Colette Hanna, MD - <i>Lebanese American University Medical Center - Rizk Hospital, Lebanon</i>
15:10 - 15:30	Coffee Break
15:30 - 16:50	Session VI - Breakthrough Technologies and Biomedical Advancements <i>Moderators: Hussein FAYYAD KAZAN, PhD, Mona DIAB, PhD Walid RACHIDI, PhD</i>
15:30 - 15:50	Mature Axon Guidance During Central Nervous System Regeneration Homaira NAWABI, MD - <i>Grenoble Institute of Neuroscience, Grenoble France</i>
15:50 - 16:10	Micro/Nanofluidics for Biomedical Applications Abdul Ghani ISMAIL, PharmaD, PhD - <i>Institut Galien Paris Saclay, Paris - France</i>
16:10 - 16:30	Breaking the Diffraction Barrier All the Way to Amino Acids Ali SHAIB, MD - <i>University Medical Center Göttingen, Germany</i>
16:30 - 16:50	Effect of Prokineticin on Brain in the Context of Preeclampsia Hadi YOUNES, PhD - <i>Bordeaux Research Institute of Oncology, Bordeaux - France</i>
16:50 - 17:10	IL-7 SNP and its Association with Immune-Related Adverse Events (irAE) Mustafa Jamal SALEH, MD , <i>Dana-Farber Cancer Institute, Boston - USA</i>