



2nd RNA Horizons Therapeutics Symposium

Unlocking the RNA's Potential in Medicine

October 29-31, 2025 | Palermo, Sicily, Italy

PRELIMINARY AGENDA

(as of August 26, 2025)

WEDNESDAY, OCTOBER 29, 2025

09:00 – 10:15	Session 1: RNA Delivery Innovation & Platforms: Part 1
	Chair: Ernesto Guccione , USA
09:00 – 09:05	Opening Remarks
09:05 – 09:30	Nucleic Acid Therapeutic Unlabeled Reporter Assay (NATURA): A novel platform for high-throughput quantification of NATs' functional delivery and potency Ernesto Guccione Principal Investigator, The Guccione Lab, Icahn School of Medicine at Mount Sinai , USA
09:30 – 09:55	Modeling and Modulating Antitumor Immunity with RNA nanoparticles in 3D-Bioprinted Tumoroids Ronit Satchi-Fainaro Director, Cancer Biology Research Center, and Director, TAU Kahn 3D BioPrinting Initiative, TAU , IL
09:55 – 10:05	Start-Up Presentation DELiveri : Massive throughput screens to identify conjugates that promote cell delivery of nucleic acid therapeutics Yaniv Erlich CEO and Co-Founder, Eleven Therapeutics , IL
10:05 – 10:15	Start-Up Presentation Improved Delivery of RNAs for Extra-Hepatic Delivery Ruben Postel CSO & Scientific Founder, Sapreme Technologies , The Netherlands
10:15 – 10:35	Coffee Break, Visit the Exhibition & Poster Viewing
10:35 – 11:25	Session 2: RNA Delivery Innovation & Platforms: Part 2
	Chair: Ernesto Guccione , USA
10:35 – 10:55	Endosomal Escape Technology Enabling ASO Delivery and Therapeutic Applications François-Thomas Michaud , CEO, Feldan Therapeutics , Canada
10:55 – 11:05	Start-Up Presentation Utilizing Machine Learning to Unlock RNA Delivery Yogev Debbi Co-Founder & CEO, Mana.bio , IL
11:05 – 11:15	Abstract Selected talk
11:15 – 11:25	Abstract Selected talk



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11:25 – 13:30	Session 3: RNA Splicing Mechanisms in Cancer
	Chair: Claudio Sette , Italy
11:25 – 11:50	SRSF1-regulated alternative splicing controls on oncogenic circuit in pancreatic cancer Adrian R. Krainer St. Giles Foundation Professor, Cold Spring Harbor Laboratory , New York, USA
11:50 – 12:15	Splicing dysregulation: Hallmark and therapeutic opportunity in cancer Claudio Sette Principal Investigator, Catholic University of the Sacred Heart, School of Medicine , Italy
12:15 – 12:40	Pseudoexon activation as a therapeutic approach Brage Storstein Andresen Head of Research, Brage Storstein Andresen Lab, University of Southern Denmark
12:40 – 12:50	Start-Up Presentation Programmable multi-kilobase RNA editing with splice editors Jacob Borrajo Chief Executive Officer & Co-Founder, Amber Bio , USA
12:50 – 13:00	Start-Up Presentation A Proprietary Circular RNA Platform for the Treatment of Infectious Diseases, Cancers, Autoimmune and Other Diseases Peter D. Weinstein Chief Executive Officer/General Counsel, Emervax, Inc. , USA
13:00 – 13:20	RNA splicing to upregulate the SNA1 gene in Dravet Syndrome Edward M. Kaye , CEO & Director, Stoke Therapeutics , USA
13:20 – 13:30	Abstract Selected Talk
13:30 – 14:30	Lunch Break, Visit the Exhibition & Poster Viewing
14:30 – 16:20	Session 4: Novel Therapeutic Applications of RNA Technology: Part 1
	Chair: Michal Lotem , IL
14:30 – 14:35	Opening Remarks
14:35 – 15:00	Dual-function oligonucleotide strategies for immunotherapy of acute myeloid leukemia Marcin Kortylewski Principal Investigator, The Kortylewski Lab, City of Hope , USA
15:00 – 15:25	Therapeutic approaches for HNRNPH2-Related Neurodevelopmental Disorder, an ultra-rare neurogenetic disorder Christopher Ricupero Assistant Professor, Columbia University Irving Medical Center , USA



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15:25 – 15:50	Working with patient communities to develop ASO based therapies Yael Weiss Founder & CEO, Mahzi Therapeutics , USA
15:50 – 16:00	Start-Up Presentation Advancing RNA Therapeutics with RNA Engineering and Targeted Lipid Nanoparticles Delivery Min Wen Ku , Application Scientist, VectorBuilder , UK
16:00 – 16:10	Abstract selected talk
16:10 – 16:20	Abstract selected talk
16:20 – 17:00	Coffee Break, Visit the Exhibition & Poster Viewing
17:00 – 19:00	Session 5: Novel Therapeutic Applications of RNA Technology: Part 2
	Chair: Michal Lotem , IL
17:00 – 17:25	Developing RNA based approaches for the treatment of Pompe Disease and neurodegenerative conditions Emanuele Buratti Group Leader, Molecular Pathology Lab, ICGEB , Italy
17:25 – 17:35	Start-Up Presentation A transformative RNA (ASOs) based company for the treatment of pulmonary diseases Gili Hart CEO, SpliSense , IL
17:35 – 17:45	Start-Up Presentation Enabling Precision Medicine: From Liquid Biopsy to Antigen Discovery with Next-Gen Technologies Massimiliano Clamer Chairman & Founder, Immagina Biotechnology , Italy
17:45 – 18:30	Industry Panel Discussion: Shaping the Future of RNA Therapeutics: Innovation, Investment, and Impact Panelists: Yael Gruenbaum Cohen , Partner & Head, aMoon Alpha , IL Michelle Lynn Hall , Associate Vice President, Eli Lilly and Company , USA Yaniv Erlich , CEO and Co-Founder, Eleven Therapeutics , IL Yael Weiss , Founder & CEO, Mahzi Therapeutics , USA Tamar Grossman , CEO, La Jolla Labs , USA
18:30 – 19:00	Poster Session



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THURSDAY, OCTOBER 30, 2025

08:30 – 11:00	Session 6: Novel Therapeutic Applications of RNA Technology: Part 3
	Chair: Ernesto Guccione , USA
08:30 – 08:35	Opening Remarks
08:35 – 09:00	Targeting noncoding elements to boost haploinsufficient gene expression Igor Ulitsky Principal Investigator, Ulitsky Lab, Weizmann Institute of Science , IL
09:00 – 09:25	Small and long non-coding RNA transforming cell fates in the brain Anna Krichevsky Professor of Neurology, Brigham and Women's Hospital and Harvard Medical School , USA
09:25 – 09:50	Exploiting the dark genome to target drug-tolerant cells and improve anticancer immune therapies Eleonora Leucci Principal Investigator - RNA Cancer Biology Lab, KU Leuven , Belgium
09:50 – 10:10	Targeted delivery of therapeutic oligonucleotides for the treatment of neuromuscular diseases Oxana Beskrovnaya Chief Innovation Officer, Dyne Therapeutics , USA
10:10 – 10:20	Start-Up Presentation Cell-free RNA as a Mediator of Inflammation: New Paradigms for Therapeutic Intervention James Posada Chief Executive Officer, Resolve Therapeutics , USA
10:20 – 10:30	Start-Up Presentation Bispecific siRNA to reduce Cardiometabolic Risk Michael Khan Chief Executive Officer, Argonaute RNA , UK
10:30 – 10:40	Start-Up Presentation Targeting miR-22 with an Antisense Oligonucleotide: a new RNA-based paradigm for treating obesity Riccardo Panella , Chief Scientific Officer, Resalis Therapeutics , Italy
10:40 – 10:50	Abstract selected talk
10:50 – 11:00	Abstract selected talk
11:00 – 11:20	Coffee Break, Visit the Exhibition & Poster Viewing



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11:20 – 13:25	Session 7: Innovations in Tumor Targeting and Cancer Immunotherapy Using RNA
	Chair: Rotem Karni , IL / USA
11:20 – 11:25	Opening Remarks
11:25 – 11:50	Rewriting the Message: RNA Splice Disruption Unmasks New Cancer Immunotherapy Targets Michal Lotem Head of The Hadassah Cancer Research Institute (HCRI) , Hadassah Hebrew University Medical Center , IL
11:50 – 12:15	Aberrantly spliced cancer proteoforms: If you can't beat them, eat them! Andrei Thomas-Tikhonenko Director of Experimental Pathology, Children's Hospital of Philadelphia , USA
12:15 – 12:40	Targeting RNA processing to induce neoantigen in cancer cells Rotem Karni Principal Investigator, Hebrew University-Hadassah Medical School , IL and University of Pennsylvania , USA
12:40 – 13:05	A novel regulatory circuit required for tumor angiogenesis and cancer growth Claudia Ghigna Scientist, Institute of Molecular Genetics , Italy
13:05 – 13:15	Abstract Selected Talk
13:15 – 13:25	Abstract Selected Talk
13:25 – 14:30	Lunch Break, Visit the Exhibition & Poster Viewing
14:30 – 16:00	Session 8: RNA Regulation & Translation in Cancer Biology
	Chair: Claudio Sette , Italy
14:30 – 14:35	Opening Remarks
14:35 – 15:00	RNA-binding proteins in melanoma progression Fátima Gebauer President of the RNA Society and Principal Investigator, Center for Genomic Regulation (CRG) , Spain
15:00 – 15:25	Exploiting RNA translation control to fight cancer resistance Caroline Robert Head of Dermatology, Gustave Roussy Institute , France
15:25 – 15:50	Ultra-conserved poison exons in SR protein splicing regulator genes: Do these operate as tumour suppressors or protect the functions of specific cell types? David Elliott Principal Investigator, Newcastle University , UK
15:50 – 16:00	Abstract Selected Talk
16:00 – 16:20	Coffee Break, Visit the Exhibition & Poster Viewing



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16:20 – 17:15	Session 9: RNA Regulation & Translation in Cancer Biology (cont.)
	Chair: Claudio Sette , Italy
16:20 – 16:45	Breast cancer transcriptomics at the bulk, single cell and spatial levels Carlos Caldas Honorary Consultant in Medical Oncology, University of Cambridge , UK
16:45 – 16:55	Start-Up Presentation Targeting m6A-RNA Biology in FTO-Dependent Cancers Amir Mor CSO, RNAble , IL
16:55 – 17:05	Abstract Selected Talk
17:05 – 17:15	Abstract Selected Talk



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FRIDAY, OCTOBER 31, 2025

09:00 – 10:40	Session 10: Computational & AI Applications in RNA Therapeutics: Part 1
	Chair: Rotem Karni , IL / USA
09:00 – 09:05	Opening Remarks
09:05 – 09:30	AI-Driven Design: Unlocking Novel Mechanisms in RNA Therapeutics Tamar Grossman CEO, La Jolla Labs , USA
09:30 – 09:55	miRNA-based logic circuits encoded on self-amplifying RNA for highly specific cancer cell classification Ron Weiss Principal Investigator, The Weiss Lab, Massachusetts Institute of Technology , USA
09:55 – 10:20	Harnessing RNA-Driven Intelligence to Revolutionize Personalized Cancer Therapy Aron Popovtzer Director of the Sharett Institute of Oncology, Hadassah Medical Center , IL
10:20 – 10:30	Abstract Selected Talk
10:30 – 10:40	Abstract Selected Talk
10:40 – 11:00	Coffee Break, Visit the Exhibition & Poster Viewing
11:00 – 13:30	Session 11: Computational & AI Applications in RNA Therapeutics: Part 2
	Chair: Rotem Karni , IL / USA
11:00 – 11:25	Decoding Cancer Complexity: Machine Learning and Transcriptomic Signatures Shai Rosenberg Head of the Computational Medicine Service, Hadassah Hebrew University Medical Center , IL
11:25 – 11:50	Designing a new generation of RNA therapies with computational models and AI Tamir Tuller Head of the Laboratory of Computational Systems and Synthetic Biology, Tel Aviv University , IL
11:50 – 12:00	Open Slot
12:00 – 12:10	Open Slot
12:10 – 12:20	Abstract Selected Talk
12:20 – 12:30	Abstract Selected Talk
12:30 – 13:30	Concluding Remarks & Symposium Closure
13:30 – 14:30	Lunch