



I.R.C.C.S. Ospedale
San Raffaele



UniSR
Università Vita-Salute
San Raffaele



Gruppo
San Donato

San Raffaele Scientific Retreat 2025

Grand Hotel Dino Baveno, March 12-15, 2025

PROGRAM

Wednesday, March 12th

- 14.00- Registration opens
- 16:30-19.00 **Breaking Barriers: Addressing Gender-Based Violence in academia and healthcare.**
With the participation of UniSR Drama Club
Diane L. Rosenfeld (Harvard Law School)
Andrea Salonia (Unisr)
- 19:00-19:30 Welcome Address
- 19.30-21.00 Light dinner
- 21.00-23.00 **POSTER SESSION 1**

Thursday, March 13th

- 9.00-10.30 **SESSION 1**
Jean Michel Cioni | Endosome-mRNA association in neurons
Chiara Rigamonti | Adenosine Deaminase 2 Deficiency: unraveling bone marrow pathogenesis to enable hematopoietic stem cell gene therapy
Andrea Castiglioni | IFNAR1 Stabilization Improves Adoptive T-Cell Therapies in Colorectal Cancer Liver Metastasis by Leveraging Tumor-Derived Type I Interferons
Martina Rubin | Dynamics of Choroid Plexus Volume is Associated With the Presence and Development of Fatigue in Multiple Sclerosis
Paolo Riccardo Camisa | Novel Biomarkers for Predicting Malignant Progression in Intraductal Papillary Mucinous Neoplasms (IPMNs) of the Pancreas
- 10.30-11.00 Coffee break
- 11.00-12.30 **SESSION 2**
Matteo Bellone | The nutrition-microbiota-immunity axis in Multiple Myeloma
Valentina Venzin | CD4+T cells license Kupffer cells to reverse the CD8+T cell dysfunction induced by hepatocellular priming

Agostina di Pizio | Investigating Frataxin's role in peripheral neurodegeneration in Friedreich's ataxia
Enrico Camisassa | Spectral imaging with Photon Counting CT for the assessment of transmural infiltration in bladder cancer
Chiara Ansermino | Study on the effect of LKB1 inactivation on NSCLC's tumour microenvironment and its role in influencing cancer aggressiveness

12.30-14.30 Lunch
13.30-14.30 Meet & Greet with UniSR students

14.30-16.00 **SESSION 3**
Andrea Necchi | Title TBD
Valentina Consoli | Engineering thymic selection to promote acceptance of allogeneic transplantation
Tommaso Perini | The mitochondrial protease ClpP is a metabolic vulnerability and immunogenic trigger against multiple myeloma
Ilaria Brambilla | Discovery of Cdh5+ perivascular fibroblasts and their emerging role in Amyotrophic Lateral Sclerosis-related neurodegeneration
Veronika Boichenko | Interleukin 11-induced microRNAs: novel players in cardiac fibrosis

16.00-16.30 Coffee break

16.30-17.30 **KEYNOTE SPEAKER**
Christopher Mason (Weill Cornell Medicine) | Title TBD

19.00-21.00 Dinner

21.00-23.00 **POSTER SESSION 2**

Friday, March 14th

9.00-10.30 **SESSION 4**
Federica Agosta | Understanding neurodegeneration through network models
Emanuele Bosi | Screening of type 1 diabetes and celiac disease in the general pediatric population in Italy: progress and preliminary results
Francesco Gentile | Genetic and pharmacologic modulation of the ATF6 UPR-related pathway affect disease pathogenesis in CMT1B
Chiara Bresesti | Comet LV: a lentiviral vector-based mRNA co-packaging technology for enhanced ex vivo and in vivo gene therapy
Martina Spiga | TIGIT deletion rescues the antitumor activity of low avidity T cells by increasing TCR signal strength

10.30-11.00 Coffee break

11.00-12.30 **SESSION 5**
Samuele Ferrari | Poisoning of hematopoiesis drives clonal dominance in VEXAS syndrome
Alessandra Bragonzi | Genetic diversity in mouse models unlocks the gut-lung axis in Cystic Fibrosis
Eleonora Binatti | Linking Genetic Alterations, Transcriptomic Profiles and Tumor Microenvironment Reprogramming in Chronic Lymphocytic Leukemia
Matteo Aldo Bonizzoni | Increasing organ donation, our experience with extracorporeal resuscitation
Lauren Randolph | A chemically defined hematopoietic stem cell maintenance media promotes the generation of self-renewing blood progenitors from pluripotent stem cells

12.30-14.30 Lunch
13.30-14.30 Meet & Greet with UniSR students

14.30-16.00 **SESSION 6**
Attya Omer | Title TBD
Alessio Cantore | Dissecting hepatocyte heterogeneity in liver growth to devise liver gene therapies for pediatric patients
Daniela Cesana | Title TBD
Daniela Latorre | Title TBD
Irene Franco | Tracking kidney cancer initiation via somatic mutation analysis of normal kidney cells

16.00-16.30 Coffee break

16.30-17.30 **SCIENCE & SOCIETY**
Guido Tonelli (INFN & CERN) | Title TBD

17.30-19.30 **POSTER SESSION 3**

20.30-22.30 Dinner
22.30-24.00 Party

Saturday, March 15th

9.30-11.00 **SESSION 7 - San Raffaele AI Center of Excellence (S-RACE)**
Carlo Tacchetti | From Cloud to bedside: a unique AI platform at San Raffaele
Alberto Traverso | S-RACE: a day in life with the research team
Monica Margoni | AI and real world data analysis to optimize multiple sclerosis treatment
Antonio Esposito | Title TBD
Alessandro Larcher | Title TBD

11.00-12.00 Q&A with Directors
Awards and Closing ceremony