

CNR Headquarters - Aula Convegni

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Online registration:

https://register.gotowebinar.com/register/5607297517654337804







Target discovery for unmet medical needs and precision/personalized medicine, April 4th - 5th, 2022

Acknowledgments

DSB Organizing Committee

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Daniela Stalteri, DSB - IT coordinator



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Program – Monday April 4th, 2022

11.00 - 11.20	Welcome address – Daniela Corda, DSB Director		Computational Approaches in Drug Discovery/Targets identification in r: Giovanni Maga
11.20 - 12.00	Keynote Lecture: "Exscalate, an open platform to accelerate the drug discovery pathway from target to clinical proof of concept" – Marcello Allegretti, Chief Scientific Officer, Dompé Farmaceutici S.p.A.	14.40 - 15.20	Keynote Lecture: "CNCCS: a bridge between basic research and therapeutic application " – Carlo Toniatti, Chief Scientific Officer, I.R.B.M. S.p.A.
Session: "New Computational Approaches in Drug Discovery/Targets identification in oncology" - Chair: Cesare Montecucco		15.20 - 15.40	Reduced levels of Prostaglandin I2 Synthase: a distinctive feature of the cancer-free trichothiodystrophy – Donata Orioli, IGM
12.00 - 12.20	Type I and II BIR domains as targets for cancer therapy – Federica Cossu, IBF	15.20 - 15.40	Role of genome structure in prostate cancer – Chiara Lanzuolo, ITB
12.20 - 12.40	The glycerophosphoinositols: from physiology to pharmacology – Alessia Varone, IEOS	15.40 - 16.00	Cancer genomics through Third Generation Sequencing – Silvo Conticello, IFC
12.40 - 13.00	Intracerebellar administration of the chemokine CXCL3 prevents the neoplastic transformation of cerebellar precursor cells forcing their migration – Laura Micheli, Felice Tirone, IBBC	16.00 - 16.20	Non-canonical role of PDK1 as a negative regulator of apoptosis through macromolecular complexes assembly at the ER-mitochondria interface in oncogene-driven NSCLC – Viviana De Rosa, IBB
13.00 - 13.20	Identification of pathological noncoding RNAs as new targets for RNA-mediated therapies in brain cancer – Pietro Laneve, IBPM	16.20 - 16.40	Potential new therapies targeting NSCLC heterogeneity – Elena Levantini, ITB
13.20 - 14.40	Lunch	16.40 - 17.00	Bioinformatics approaches for COVID-19 genomics – Matteo Chiara, IBIOM
		17.20 - 17.30	Conclusions



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Program – Tuesday April 5th, 2022

09.00 - 09.20	Welcome address – Daniela Corda, DSB Director	Session: "Precis Chair: Giuseppii	sion medicine: from target discovery to clinical development" – na De Simone
09.20 - 10.00	Keynote Lecture: "Protein Folding Pathways Across Physiology & Therapy" – Emiliano Biasini, Associate Professor, CIBIO, University of Trento	12.40 - 13.00	Towards the clinical translation of lentiviral vector gene therapy for osteopetrosis – Valentina Capo, IRGB
Session: "Nucleic acid-based therapeutics" - Chair: Valeria Poli		13.00 - 13.20	Machine Learning for Clinical Radiobiology – Laura Cella, IBB
10.00 - 10.20	Breaking the code of ribosome heterogeneity to develop next- generation non-coding RNA-based therapies – Gabriella Viero, IBF	13.20 - 13.40	Machine Learning approaches for the investigation of the human microbiome – Bruno Fosso, IBIOM
10.20 - 10.40	Development of innovative drug-loaded and aptamer targeted nanosystems for treatment of triple-negative breast cancer – Laura Cerchia, IEOS	13.40 - 14.00	Pathogenic epigenetic reprogramming of stromal cells contributes to adverse cardiac remodeling – Valeria Bianconi, IBPM
10.40 - 11.00	Lmat≡LNA-204 as therapeutic strategy in melanoma – Laura Poliseno, IFC	14.00 - 14.20	Protein mono-ADP-ribosylation in the control of cell physio- pathology – Giovanna Grimaldi, IEOS
11.00 - 11.20	A novel approach to telomere-driven cellular senescence and agerelated diseases – Fabrizio d'Adda di Fagagna, IGM	14.20 - 14.40	Q2 derivative prevents obesity by inducing browning and inhibiting adipogenesis of 3T3-L1 – Paola Ungaro, IEOS
11.20 - 11.40	CRISPR correction of DNMT3B mutations in ICF1 patient iPSCs identifies early genomic disease targets with restored DNA methylation – Maria R. Matarazzo, IGB	14.40 - 15.00	Validation of three yeast-based assays for functional classification of BRCA1 missense variants: application of Machine Learning methods – Tiziana Cervelli, IFC
11.40 - 12.40	Light Lunch	15.00 - 15.20	Targeted genome editing of haematopoietic stem cells for treating recombination activating gene 1 (RAG1) immunodeficiency – Maria C. Castiello, IRGB
		15.20 - 15.30	Conclusions