

Dear participants to the 2021 SIBBM Seminar, Dear SIBBM members:

We would like to share our satisfaction for the success of the SIBBM 2021 Seminar “Frontiers in Metabolic Research: Crosstalk Between Metabolism, Epigenetic and Transcription in Stem Cells and Cancer”, which saw about 250 participants, more than one third of which junior scientists, and 84 posters presented.

We had the chance to hear the recent discoveries of 16 invited speakers from all over the world, and 12 junior speakers selected from the abstracts. All talks were followed by very lively discussions, and the posters breaking rooms also saw many participants, allowing the establishment of connections and collaborations. Breaking rooms to meet the speakers and the sponsors were also organized. The conference started with a warm welcome by Rosario Rizzuto, Rector of the University of Padua, Valeria Poli, the SIBBM President and Sirio Dupont, member of the Organising Committee of the SIBBM Seminar 2021.

Each day had a different central theme related to metabolism: cancer and stem cells, epigenetics, cell stress, tech and data integration.

As became customary for SIBBM Seminars, we had lectures supported by AIRC (**Karen Vousden**), Riccardo Cortese’s Family (**Kathryn Wellen**), EMBL-Monterotondo (**Michael Teitell**), the Human Technopole (**Eyal Gottlieb**), Giovanni Armenise-Harvard Foundation (**Nico Mitro**).

As usual, the most difficult task was that of selecting prize winners. **Riccardo Betto, John Robert Davies, Giorgia Di Lorenzo, Patrizia Romani and Aurora Savino** were shortlisted for the two best talk prizes, offered by the Journal of Cell Science and the Journal of Experimental Cell Research. The final winners, whom we warmly congratulate again, were **Giorgia di Lorenzo from TIGEM**, Naples (Transcriptional and post-translational regulation of ER-phagy) and **Riccardo Betto from Padua** (Stat3 links the metabolic profile and DNA methylation in murine ESCs).

As to the poster prizes, the Francesca Martini Prize offered by NANA Onlus was awarded to **Erica Pranzini, from Florence** (*Mitochondrial serine metabolism mediates 5-fluorouracil resistance in colorectal cancer by fueling nucleotide biosynthesis and supporting DNA damage response*). The EMBO Journal Prizes were bestowed on **Gaia Gherardi from Padua** (*Mitochondrial metabolism regulates muscle homeostasis in adulthood and ageing*), and **Andrea Magri from Catania** (*VDAC1 deletion in yeast affects mitochondrial DNA maintenance and expression triggering a deep metabolic rewiring towards lipid biosynthesis*).

Finally, the two Euroclone Prizes were awarded to **Francesca Orso from Turin** (*Stroma-derived miR-214 coordinates tumor dissemination*) and **Alessio Paone from Rome** (*Riboregulation of human serine hydroxymethyltransferase enzyme activity reveals a novel strategy to shape cell metabolism*).

IMPORTANT INFO FOR ALL PARTICIPANTS: the **recorded talks** as well as the posters will be available via your ***mysibbm*** link from today until the 20th of July.

We wish to thank again all participants and look forward to seeing many more of you at next year SIBBM Seminar, which will focus on RNA Biology and will take place at the Italian Institute of Technology, scientific organisers Irene Bozzoni, Stefano Gustincich, Francesco Nicassio and Graziano Martello.

Valeria Poli, SIBBM President

The Scientific Organisers Sirio Dupont, Graziano Martello, Massimo Santoro

The SIBBM Steering Committee Giovanni Cuda, Tiziana Bonaldi, Michela Denti, Graziano Martello, Graziano Pesole, Lucia Falbo, Luigi Fattore