Organising Secretariat:
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Scientific Program

CELLINK Collaborative Partnership Conference

May 10th, Milano - Italy

- **9:00 Welcome from the organizers**
  Hèctor Martinez and Erik Gatenholm, CELLINK
  Cristina Scielzo, San Raffaele Scientific Institute – Milano, Italy

New biomaterials and culture methods

Chair: Ferdinando Auricchio, University of Pavia and Hèctor Martinez, CELLINK

- **9.30 Laura Russo**, University of Milano-Bicocca – Milano, Italy
  "*Design and synthesis of Bioinks: new 3D bioprintable hybrids polymers*"
- **10.00 Itedale Namro Redwan**, CELLINK – Göteborg, Sweden
  "*The CELLINK GelX Product Line: the effect of the Crosslinking Method on Mechanical Properties and Cellular Response*"
- **10.30 Michele Conti**, University of Pavia, Italy
  "*Material testing and mechanical modelling in bioprinting*"
- **11.00 Marie-Ann Ewart,** Avanticell – Ayr, UK
  "Innovative cell-based 3D models for neurodegenerative disease drug discovery"

11.15 Coffee break and networking time

- **11.45 Tommaso Sbrana**, IvTech – Pisa, Italy
  "*IVTech: the next generation of in-vitro models*"

Disease modelling 1: Cancer

Chair: Cristina Scielzo, San Raffaele Scientific Institute and Itedale Namro Redwan, CELLINK

- **12.15 Lisa Oliver**, Nantes University, France
  "*3D approach to the reconstruction of Glioblastoma tumors*"
- **12.45 Clement Milet**, CTI-BIOTECH - Lyon, France
  Title: "*3D Cancer Bioprinting for personalised chemotherapy screening from the 3DONCOCHIP and IMODI consortiums*"

13.15 Poster trailers session 1 – *5'' presentation*

- **Francesca Vittoria Sbarna,** San Raffaele Scientific Institute - Milano, Italy
  "Modelling Chronic Lymphocytic Leukemia microenvironment in vitro by exploiting a bench-top 3D bioprinter"
- **Axel Pössl,** Technische Hochschule Mittelhessen, Germany
  "Cell Therapy for the Treatment of Diabetes Mellitus: The Interplay between BioINK, Cell Culture and 3D-Printer"

13.30 Lunch and networking time

Disease modelling 2: Regenerative Medicine

Chair: Michele Conti, University of Pavia and CELLINK

- **14.30 Alessandra Balduini and Pierre Alexandre Laurent,** University of Pavia, Italy
  "3D bone marrow models for platelet production"
- **15.00 Gianluca Cidonio**, University of Southampton, UK
  "Engineering cell-laden 3D bone substitutes for disease modelling and regeneration"
- **15.30 Casper F.T. van der Ven,** RMC – Utrecht, Netherlands
  "*Engineering a 3D bioprinted human Calcific Aortic Valve Disease model*"
- **16.00 Rafael Mestre,** Institute for Bioengineering of Catalonia, Spain
  "3D bioprinting of bio-actuators as models for skeletal muscle tissue: the case of force adaptability after training"

16.30 Break

16.45 Poster trailers session 2 - *5 'presentation*

- **Aida Cavallo**, Istitute of Clinical Physiology (C.N.R.) – Massa, Italy
  "*The use of Umbilical Cord Blood Platelet-Rich Plasma Increases Fibroblasts Viability and Proliferation in an alginate based bioink for 3D bioprinting"*
- **Simonetta Carluccio,** IRCCS Ospedale Policlinico San Martino – Genova, Italy
  "*3D-Printing of Platelet Rich Plasma based Ink for Cartilage Tissue Regeneration"*
- **Adam A. Mieloch**, Center for Advanced Technology, Poznań, Poland
  "*Mechanical properties of human osteoarthritic articular cartilage. Nanoindentation study"*
- **Julia Semba,** Center for Advanced Technology- Poznań, Poland
  "*3D bioprinted, carbon nanotube-enhanced scaffolds for stimulated chondrogenic differentiation of mesenchymal stem cells for meniscus regeneration"*
- **Valentina Fantini**, University of Pavia, Italy
  "*iPsCs and 3D Bioprinting for modelling neural tissue"*
- **Flavio L. Ronzoni**, University of Pavia, Italy
  "*Stem cells and 3D bioprinting: a promising combination in Regenerative Medicine"*
- **Matteo Bordoni**, IRCCS Mondino Foundation, Pavia - Italy
  "*Conductive cellulose-based helps the differentiation of neuroblastomal cell line"*
- **Rossella Dorati**, University of Pavia, Italy
  "*Chitosan/poly (gamma-glutamic acid) based hydrogels for 3D Bio-Printing: a preliminary evaluation"*

17.30 Discussion with open questions and conclusions

18.00 COCKTAIL with buffet and networking