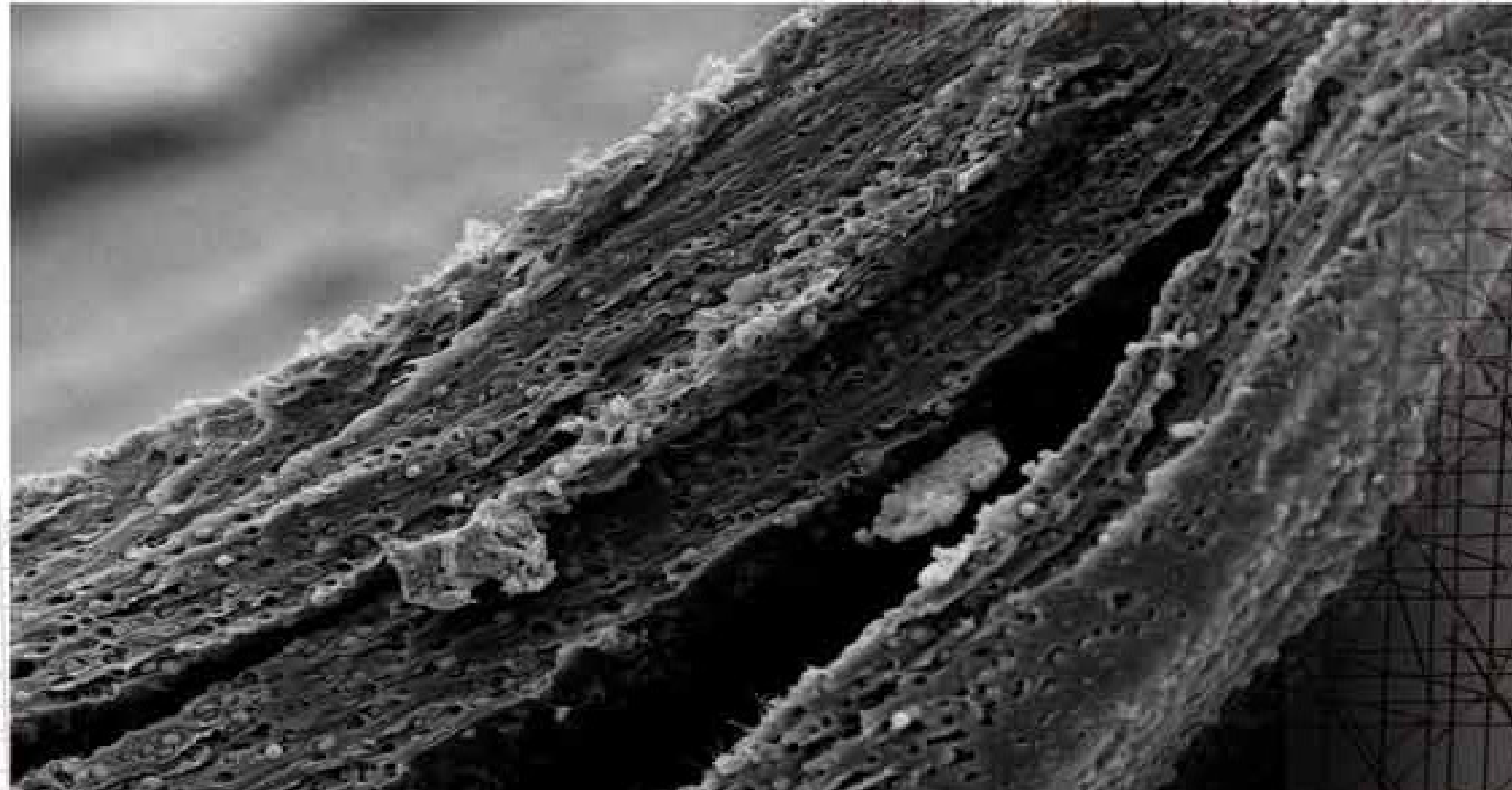


Bioengineering and Cell Therapy

20th October 2023

Faculty of Medicine – University of Brescia
Room A



SCIENTIFIC PROGRAM

- 08.30 Registration (on site)
09.00 Welcome address of the Authorities

Introduction: D. Russo

First Session: Regenerative Medicine (ReMed-NetWork)

Chairmen: P. Guizzi, L. Collo, D. Russo

- 09.30 Lecture: Regenerative engineering: designing grafts, processes and signals - **I. Martin** (Basel)
09.50 Design and optimization of core-shell tunable scaffolds for tissue engineering applications -
C. Pasini, S. Pandini, L. Sartore (Brescia)
10.05 Regenerative potential of red LED light technology - **E. Borsani** (Brescia)
10.20 Bio-engineering scaffolds for skin regeneration: an in vitro pilot study - **F. Re** (Brescia)
10.35 Low intensity pulsed ultrasound as useful tool to induce chondrogenesis - **G. Lisignoli** (Bologna)
10.50 Opening new perspectives with 3D Bioprinting - **M. Petretta** (Villaz)
11.05 Human iPSC derived neurons as a platform for personalised medicine for brain disorders - **G. Collo** (Brescia)
11.20 3D bioprinting: any biomedical application? - **S. Giliani** (Brescia)
11.35 Native biomaterials: Role of decellularization in liver tissue engineering - **V. Moulisová** (Plzen)

12.05-12.35 *Coffee break*

Second Session: Experiences of Brescia-Toronto-Padova Collaborative Group

Chairmen: R. W. Gilbert, J. C. Irish, P. Nicolai

- 12.35 Lecture: Going from the Research Bench to Bedside - Lessons learned - **J. C. Irish** (Toronto)
12.55 Lecture: Bone restoration in head and neck surgery: current standard and future perspectives -
W. Gilbert (Toronto)
13.15 Facial skeleton bone regeneration through bio-engineered poly-hydrogel scaffolds: an in vivo study -
M. Ferrari (Brescia-Toronto)
13.30 Bio-engineered poly-hydrogel scaffolds for bone regeneration: optimization of the regenerative model -
S. Taboni (Brescia-Toronto)
13.45 Bio-engineered poly-hydrogel scaffolds for bone regeneration after mandible irradiation -
A. Ruaro (Brescia-Toronto)
14.00 Advances in bio-engineering scaffolds for bone regeneration: the role played by the cells and their secretome-
F. Re (Brescia)
14.15 Questions and General Discussion

14.30-15.15 *Light lunch*

Third session: CAR-T cell therapy

Chairmen: M. Malagola, R. Greco, D. Russo

- 15.15 Lecture: CAR-T therapy: present and future - **M.A. Perales** (New York)
15.35 New strategies for generating and application of no CD19 – CAR-T - **A. Biondi** (Milano)
15.50 Strategies to engineer more effective T-cells and mitigate side effects - **M. Casucci** (Milano)
16.05 CAR-T cells in autoimmune diseases - **M. Doglio** (Milano)
16.15 EBMT overview on CAR-T therapies in dis-immune diseases - **R. Greco** (Milano)
16.30 Optimization of CAR-T therapy in Non Hodgkin Lymphomas - **M. Farina** (Brescia)
16.45 Bi-specific MoAbs in Non Hodgkin Lymphomas and Multiple Myeloma - **A. Re** (Brescia)
17.00 Questions and General Discussion

17.30 **End of the Meeting**

FACULTY

Andrea Biondi (Università di Milano - Fondazione IRCCS San Gerardo dei Tintori di Monza, Italy)
Elisa Borsani (Università di Brescia, Italy)
Monica Casucci (IRCCS Ospedale San Raffaele di Milano, Italy)
Ginetta Collo (Università di Brescia, Italy)
Matteo Doglio (IRCCS Ospedale San Raffaele di Milano, Italy)
Mirko Farina (ASST Spedali Civili di Brescia, Italy)
Marco Ferrari (Azienda Ospedale Università di Padova, Italy)
Ralph W. Gilbert (University Health Network of Toronto, Canada)
Silvia Clara Giliani (Università di Brescia - ASST Spedali Civili di Brescia, Italy)
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Michele Malagola (Università di Brescia - ASST Spedali Civili di Brescia, Italy)
Ivan Martin (University of Basel, Switzerland)
Vladimira Moulisová (Charles University, Plzen, Czech Republic)
Piero Nicolai (Università di Padova, Italy)
Stefano Pandini (Università di Brescia, Italy)
Chiara Pasini (Università di Brescia, Italy)
Miguel-Angel Perales (MSKC Center New York, USA)
Mauro Petretta (Regenhu SA, Villaz, Switzerland)
Alessandro Re (ASST Spedali Civili di Brescia, Italy)
Federica Re (Università di Brescia - ASST Spedali Civili di Brescia, Italy)
Alessandra Ruaro (Azienda Ospedale Università di Padova, Italy)
Domenico Russo (Università di Brescia - ASST Spedali Civili di Brescia, Italy)
Luciana Sartore (Università di Brescia, Italy)
Stefano Taboni (Azienda Ospedale Università di Padova, Italy)

Registration

Registration (for attending online or onsite) is free but must be finalized accessing the Organizing Secretariat website:
www.studioprogress.it in "Prossimi Convegni"
The Organizing Secretariat will send an acceptance e-mail to confirm registration.

Scientific Secretariat

Prof. Domenico Russo
DPT of Clinical and Experimental Sciences -
Brescia University - ASST Spedali Civili Brescia

Organizing Secretariat

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