



Online
Workshop



October 19th, 2021

BIOMATERIALS AND NOVEL TECHNOLOGIES FOR HEALTHCARE

PRESIDENTS



Mauro Alini

(AO Foundation, Davos, Switzerland)



Aldo R. Boccaccini

*(Friedrich-Alexander University,
Erlangen-Nuernberg, Germany)*



Giovanni Barbanti-Bròdano

*(Orthopaedic Institute Rizzoli,
Bologna, Italy)*

CHAIR



Julietta V. Rau

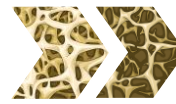
*(Institute of the Structure of Matter of Italian
National Research Council, Rome, Italy)*

Morning session

Schedule is referred to Rome local time (UTC/GMT +2 hours)

- | | | |
|-------------|--|--|
| 10:00 | | Workshop opening and Presidents welcoming |
| 10:20 | | Biomaterials and tissue engineering strategies in orthopedic surgery: from research to clinical practice
Prof. Iulian Antoniac – Romania
<i>Department of Metallic Materials Science and Physical Metallurgy, University Politehnica of Bucharest</i> |
| 10:50 | | Moving beyond feature design in cranioplasty
Prof. Roberto De Santis – Italy
<i>Institute for Polymers, Composites and Biomaterials, Italian National Research Council, Naples</i> |
| 11:20 | | MIDA-bio srl |
| 11:23 | | 50 Years of Bioactive Glasses: from Bone Substitution to Tissue Engineering and Cancer Treatment
Prof. Aldo R. Boccaccini – Germany
<i>Department of Materials Science and Engineering, Friedrich-Alexander University of Erlangen-Nuremberg</i> |
| 11:53 | | State-of-the-art material research and device development status of biodegradable metals
Prof. Yufeng Zheng – China
<i>Department of Materials Science and Engineering, College of Engineering, Peking University</i> |
| 12:23 | | How to get published in Bioactive Materials KeAi
Jessica Wang – China
<i>Publisher of Bioactive Materials, KeAi Publishing</i> |
| 12:43-14:00 | | Lunch break |





Afternoon session

Schedule is referred to Rome local time (UTC/GMT +2 hours)

14:00



Chemico-physical and geometrical features of biomaterials as biological mediators of bone repair and regeneration

Dr. Milena Fini – Italy

Director of Complex Structure- Surgical Sciences and Technologies Research Innovation Technology, Rizzoli Ortopaedics Institute, Bologna

14:35



Biomaterials and tissue engineering strategies in complex in vitro models: The road towards personalised medicine

Dr. Joaquim Miguel Oliveira – Portugal

I3Bs – Research Institute on Biomaterials, Biodegradables and Biomimetics of University of Minho

15:05

ThermoFisher SCIENTIFIC

15:08



Biologisation of materials in dental and maxillofacial surgery: Is there any benefits?

Prof. Shahram Ghanaati – Germany

Head of Head and Neck Cancer Medical Center of the Goethe University Frankfurt, Department for Oral, Cranio-Maxillofacial and Facial Plastic Surgery, Frankfurt-am-Main

15:38



Tissue-specific biomaterials for tissue engineering and regenerative medicine

Dr. Gabriel Liguori – Switzerland

Founder and CEO at TissueLabs Sagl- 3D bioprinting startup

16:08



Development of metals with functional surfaces for biomedical applications

Prof. Ana Paula Rosifini Alves Claro - Brazil

UNESP São Paulo State University, School of Engineering, Guaratinguetá Campus, São Paulo

16:38

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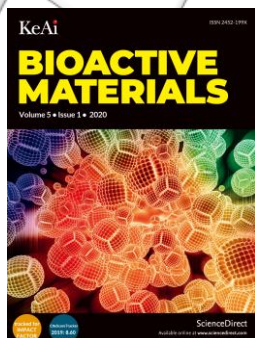
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Discussion, closing and final remarks





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