



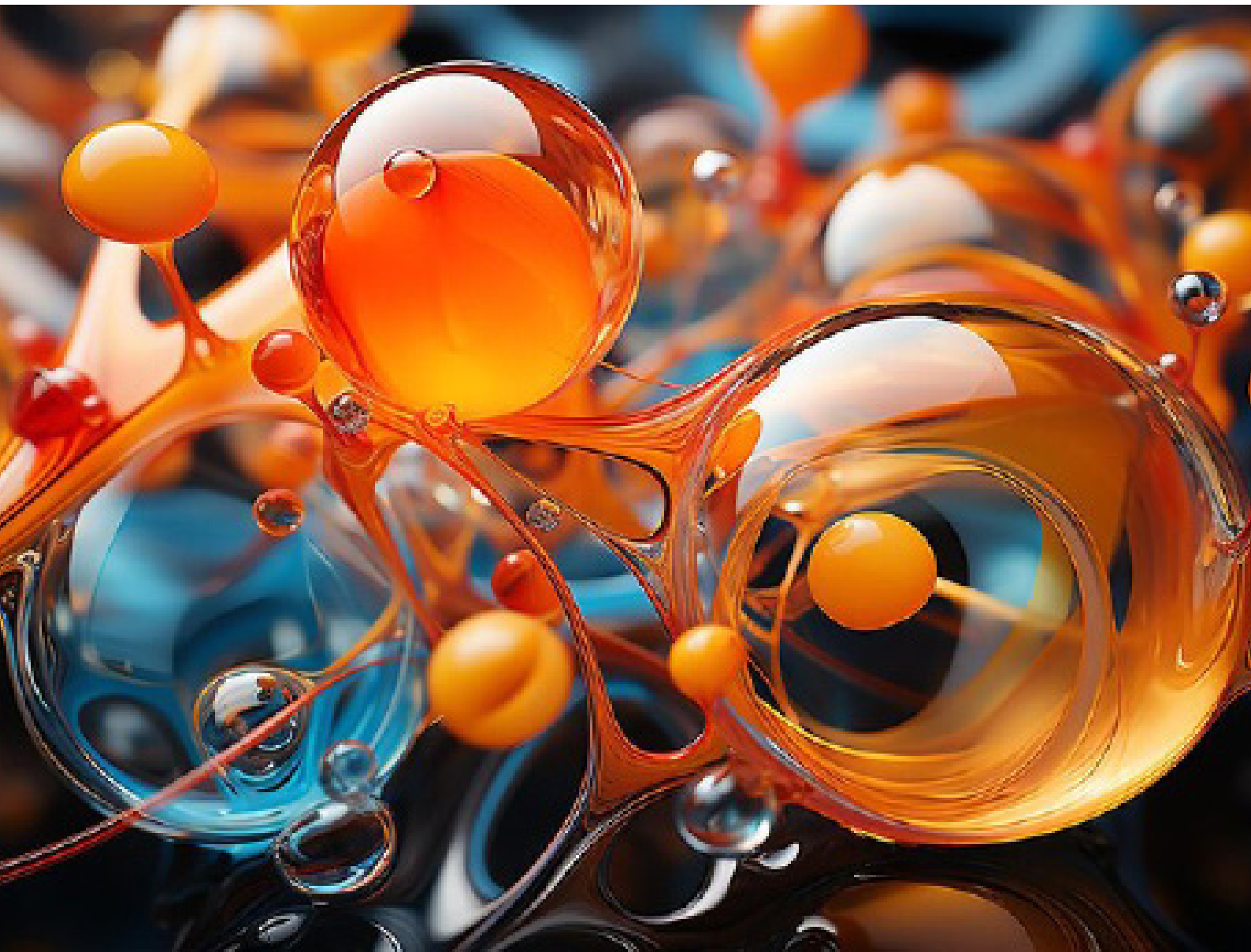
Final Program

BIOMATFORUM2024

3rd International Forum on Biomaterials

Prague, Czech Republic | May 09-10, 2024

 **Panorama Hotel Prague, Prague, Czech Republic**



biomatforum2024@continuumforums.com



<https://www.continuumforums.com/2024/biomatforum>

Day 1 May 09, 2024, Panorama Hotel Prague, Prague, Czech Republic

Meeting Room

08:30 - 09:00

Registrations

09:00 - 09:15

Introduction & Opening Words

Honorary Speech by Chairman: Thomas J Webster, Interstellar Therapeutics, USA

Plenary Session

09:15 - 09:55

Title: Human Nanomedicine: Real Clinical Results with Nano Implants

Thomas J Webster, Interstellar Therapeutics, USA

09:55 - 10:35

Title: Gene Network Analysis of Complex Diseases

Ralf Hofstadt, Bielefeld University, Germany

Keynote Session

10:35 - 11:05

Title: Surface Analysis of Biomaterials

Matjaz Finsgar, University of Maribor, Slovenia

11:05 - 11:15

Coffee Break @Foyer

Workshop by Conference Chairman Prof. Thomas J Webster

11:15 - 12:00

Title: Fundamentals of Cell- Biomaterial Interactions: Lessons Learned and Future Innovations

Thomas J Webster, Interstellar Therapeutics, USA

Invited Session

12:00 - 12:25

Title: Microstructure Influence on the Electrochemical Behavior of the Ti6Al4V alloy due to Heat Treatment for Medical Applications

Mercedes Paulina Chavez Diaz, National Polytechnic Institute, Mexico

12:25 - 12:50

Title: From Analysis to Structures: an Investigation of Carbon Dots Structure

Mattia Bartoli, Turin Polytechnic, Italy

12:50 - 13:00

Group photo

13:00 - 13:50

Lunch @Restaurant

13:50 - 14:15

Title: Heparin Modification of Blood-Contacting Biomaterial Surfaces to Improve Hemocompatibility, Biocompatibility and Antibacterial Properties

Hatice Ferda Ozguzar, KU Leuven, Belgium

14:15 - 14:40

Title: Amphiphilic Dendrimer based Nanosystems for On-demand Delivery of Nucleic Acid Therapeutics

Xiaoxuan Liu, China Pharmaceutical University, China

14:40 - 15:05

Title: Theranostic Macromolecular Systems for Tumor Site-Targeted Drug Delivery and 19F MRI Imaging

Fatma Nalan Cetin, Ghent University, Belgium

15:05 - 15:30

Title: Modeling the Breast Tumor Microenvironment with Proteinaceous Biomaterials

Barbara Blanco Fernandez, University of Santiago de Compostela, Spain

15:30 - 15:55	<p>Title: From Structure to Properties: The Long Journey of Carbon Dots</p> <p>Alberto Tagliaferro, Turin Polytechnic, Italy</p>
15:55 - 16:10	Coffee Break @Foyer
16:10 - 16:35	<p>Title: Implementation of a Freeze Drying Process Allowing Directed and Customized Structuring of Hydrogel-Based Scaffolds</p> <p>Johnn Majd Balsters, Saarland University, Germany</p>
16:35 - 17:00	<p>Title: Lipid Nanoparticles with Biomimetic Properties for Targeted Delivery of RNA to Tumors</p> <p>Miriam Colombo, University of Milano-Bicocca, Italy</p>
Poster Presentations	
P-001	<p>Title: Non-Genetic Engineering of Living Organisms and Innovative Living Pharmaceuticals</p> <p>Can Zhang, China Pharmaceutical University, China</p>
P-002	<p>Title: Non-Genetic Engineering of Living Organisms and Innovative Living Pharmaceuticals</p> <p>Lingjing Xue, China Pharmaceutical University, China</p>
P-003	<p>Title: Super-Porous Biodegradable Matrices Based on Guar Gum for Gastroretentive Controlled Drug Release</p> <p>Violante de Paz, University of Seville, Spain</p>
P-004	<p>Title: Preparation of Multicomponent Hydrogels based on Biodegradable Polyhydroxyurethanes (PHU) as Redox-Responsive Biomaterials via NIPU Methodology</p> <p>Elena Benito, University of Seville, Spain</p>
P-005	<p>Title: Interpenetrated Polymer Networks Based on L-tartaramide and Guar Gum for GRDDS</p> <p>M Gracia Garcia Martin, University of Seville, Spain</p>
P-006	<p>Title: Steel and Copper Melting on Carbonized Spongin Scaffolds Using Extreme Biomimetic Approach</p> <p>Bartosz Lesniewski, Adam Mickiewicz University, Poland</p>
P-007	<p>Title: High-level CAD/CAM Software for Customized 3D Bioprinted Wound Dressings</p> <p>Maialen Zelaia, VICOMTECH, Spain</p>
P-008	<p>Title: NOMAD: Novel Biomaterials to Prevent Dental Peri-implant Infections</p> <p>Hatice Ferda Ozguzar, KU Leuven, Belgium</p>
P-009	<p>Title: 3D Extracellular Matrix-mimetic Compositions Based on Double Reinforced IPNs</p> <p>Mihaela Raluca Dobrisan, Advanced Polymer Materials Group, Romania</p>

P-010

Title: Elaboration and Characterization of Biocomposites Material Biopolymer (PLA)– Bioactive Glass (45S5) / Calcium Phosphates

Samuel Kestel, ITheMM - URCA, France

Networking-Discussions

Closing the Conference for Day 1

Day - 2, May 10, 2024 | Virtual Presentations

London Time Zone (GMT)

10:00 - 10:40	P	Title: Investigations Corrosion and Corrosion-Assisted Cracking of Zinc and Magnesium Alloys for Their Use as Bioimplants Raman Singh , Monash University, Australia
10:40 - 11:20	P	Title: Design of Multi-functional Biomaterials based on the Intermediate Water Concept Tanaka Masaru , Kyushu University, Japan
11:20 - 11:45	I	Title: Designing Inorganic Conformational Nanoassemblies for Drugless Therapy Ranjith Kumar Kankala , Huaqiao University, China
11:45 - 12:10	I	Title: From Structure to Properties: The Long Journey of Carbon Dots Alberto Tagliaferro , Turin Polytechnic, Italy
12:10 - 12:35	I	Title: Development of An Experimental Methodology to Study the Tribocorrosion Phenomenon of AISI 316 L Atainless Steel for Use in Knee Prostheses Manuel Vite Torres , National Polytechnic Institute, Mexico
12:35 - 13:15	P	Title: Selol-maghemite-loaded PLGA Nanoparticle for Successful Solid Tumor Growth Hinderer Paulo Cesar De Morais , Catholic University of Brasilia, Brazil
13:15 - 13:55	P	Title: Carbon Dots as Novel Drug Delivery Systems in Modern Medical Healthcare Roger M Leblanc , University of Miami, USA