



## FINAL PROGRAMME

### October, 12<sup>th</sup> Thursday

11:00	Departure to „Perła Południa” from Kraków
14:00 - 15:00	Lunch – Restaurant
<b>15:15 - 15:45</b>	<b>Welcome and opening remarks</b> Prof. Jan Chłopek, Prof. Elżbieta Pamuła
<b>15:45 - 16:30</b>	<b>Plenary lecture – Prof. Maria Chatzinikolaidou</b> <i>Co-polymeric Biomaterials for Bone Tissue Engineering</i>
16:30 - 17:00	Coffee break

#### Session I

<b>17:00 - 18:30</b>	<b>Oral presentations</b>
19:00 - 1:00	Welcome reception at "Nad potokiem"

### October, 13<sup>th</sup> Friday

7:00 - 8:00	Swimming pool
8:00 - 8:45	Breakfast – restaurant
<b>8:30 – 9:00</b>	<b>Posters mounting</b>

#### Session II

<b>9:00 - 9:45</b>	<b>Plenary lecture – Prof. Józef Dulak</b> <i>Heart Injury and Repair: Hopes and Hypes of Cell Therapies and Biomaterials</i>
<b>9:45 - 10:30</b>	<b>Oral presentations</b>
10:30 - 11:00	Coffee break

#### Session III

<b>11:00 - 11:45</b>	<b>Plenary lecture – Prof. Janusz M. Rosiak</b> <i>Radiation Formation of Hydrogel Biomaterials</i>
<b>11:45 - 12:45</b>	<b>Oral presentations</b>
13:00 - 14:00	Lunch – restaurant

#### Session IV

<b>15:00 - 16:45</b>	<b>Oral presentations</b>
<b>16:45 - 18:15</b>	<b>Poster session and drinks</b>
19:00 - 1:00	Conference Dinner

### October, 14<sup>th</sup> Saturday

7:00 - 8:00	Swimming pool
7:00 - 8:00	Breakfast - Restaurant
8:30 - 13:00	Excursion
13:00 - 14:00	Lunch - restaurant

<b>15:00 - 15:45</b>	<b>Rapid Fire Presentations - YSF</b>
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#### Session V

<b>15:45 - 16:30</b>	<b>Plenary lecture – Prof. Triantafillos Papadopoulos</b> <i>Alternative Bioceramics for Repairing Jaw Bone Defects</i>
16:30 - 17:00	Coffee break
<b>17:00 - 18:30</b>	<b>Oral presentations</b>
<b>18:45 - 19:00</b>	<b>Closing remarks and award session</b>
19:00 - 20:00	Dinner - restaurant
20:00 - 0:00	Karaoke and disco - Cafe bar

### October, 15<sup>th</sup> Sunday

7:00 - 8:00	Swimming pool
8:00 - 9:00	Breakfast - restaurant
10:00	Departure to Kraków from „Perła Południa”

## October, 12<sup>th</sup> Thursday

11:00	Departure to „Perła Południa” from Kraków
14:00 - 15:00	Lunch – restaurant
<b>15:15 - 15:45</b>	<b>Opening ceremony – Prof. Jan Chłopek, Prof. Elżbieta Pamuła</b>
<b>15:45 - 16:30</b>	<b>Plenary lecture - Prof. Maria Chatzinikolaidou</b> <i>Co-Polymeric Biomaterials for Bone Tissue Engineering</i>
16:30 - 17:00	Coffee break

### Session I

17:00 - 17:15	<b>Krzysztof Szczubiałka</b> , Bartłomiej Kałaska, Kamil Kamiński, Joanna Mikłosz, Shin-Ichi Yusa, Emilia Sokołowska, Agnieszka Błażejczyk, Joanna Wietrzyk, Dariusz Pawlak, Maria Nowakowska, Andrzej Mogielnicki <i>Polymeric Anticoagulants Based on Poly(2-(Acryl-Amido)-2-Methylpropane-Sulfonic Acid) Block Polymers</i>
17:15 - 17:30	<b>Monika Gołda-Cępa</b> , Paulina Chytrosz, Andrzej Kotarba <i>One-Step Fabrication of Gentamicin Nanoparticles Embedded in Polymeric Biomaterials Surface: Sonochemical Approach</i>
17:30 - 17:45	<b>Bogdan Parakhonskiy</b> , Mariia Saveleva, Yulia Svenskaya, Anna Ivanova, Ekaterina Lengert, Albina Alebastrova, Alexey Yashchenok, Dmitry Gorin, Tatiana Bukreeva, Irina Marchenko, Timothy Douglas, Andre Skirtach <i>Bioceramic Micro and Nanoparticles as Functional Biological Materials</i>
17:45 - 18:00	<b>Piotr Kasprzycki</b> , Oskar Szelest <i>STED and SEEC Imaging - New Solutions for Bioscience</i>
18:00 - 18:15	<b>Patrycja Domalik-Pyzik</b> , Jan Chłopek <i>Characterization of Graphene Oxide-Loaded Chitosan Hydrogels and Their Application for 3D Printing</i>
18:15 - 18:30	<b>Mariia Saveleva</b> , Alexey Ivanov, Timothy E. L. Douglas, Dmitry Gorin, Andre Skirtach, Bogdan Parakhonskiy <i>Vaterite CaCO<sub>3</sub>-Coated Polymeric Fibrous Scaffolds for Biomedical Applications</i>
<b>19:00 - 1:00</b>	<b>Welcome reception – regional dinner at "Nad potokiem"</b>

## October, 13<sup>th</sup> Friday

7:00 - 8:00	Swimming pool
8:00 - 8:45	Breakfast – restaurant
<b>8:30 - 9:00</b>	<b>Posters mounting</b>

### Session II

<b>9:00 - 9:45</b>	<b>Plenary lecture - Prof. Józef Dulak</b> <i>Heart Injury and Repair: Hopes and Hypes of Cell Therapies and Biomaterials</i>
9:45 - 10:00	<b>Anna Hotowy</b> , Ewa Sawosz, Marta Grodzik, Mateusz Wierzbicki, Marta Kutwin, Sławomir Jaworski, André Chwalibog <i>Development and Optimization of Myocardial Tissue Culture In Ovo</i>
10:00 – 10:15	<b>Susanne Stähle</b> , Henrike Rebl, Barbara J. Nebe <i>Biomaterials Modification and Cellular Behaviour</i>
10:15 – 10:30	<b>Nataniel Białas</b> , Leonardo Rojas Sánchez, Viktoriya Sokolova, Matthias Epple <i>Calcium Phosphate Nanoparticles for Gene Transfer and Silencing - a 2D and 3D Cell Culture Model Study</i>
10:30 - 11:00	Coffee break – Poster viewing

### Session III

<b>11:00 - 11:45</b>	<b>Plenary lecture - Prof. Janusz M. Rosiak</b> <i>Radiation Formation of Hydrogel Biomaterials</i>
11:45 - 12:00	<b>Radosław A. Wach</b> , Janusz M. Rosiak, Piotr Ulański <i>Polysaccharides Hydrogel - Radiation Induced Formation and Medical Applications</i>
12:00 – 12:15	<b>Sławomir Kadłubowski</b> , Piotr Ulański, Janusz M. Rosiak <i>Radiation-Induced Synthesis of Polymeric Nanogels</i>
12:15 - 12:30	<b>Joanna Karbowniczek</b> , Adam Gruszczyński, Adam Kruk, Aleksandra Czyrska-Filemonowicz <i>Investigation and Visualization of the Cells Grown on Ceramic Coating by Electron Microscopy Techniques</i>
12:30 – 12:45	<b>Timothy E.L. Douglas</b> , Aleksandra Krężel, Lidia Ciołek, Abbie L.A. Binch, Tom Coenye, Jenny Hanson, Maria Buchweitz, Raechelle D'Sa, Jemma G. Kerns, Elżbieta Pamuła <i>Self-Gelling, Injectable Hydrogel-Bioactive Glass Composites</i>
12:45 – 13:00	<b>Anton Bonartsev</b> , Vsevolod Zhuikov, Irina Zharkova, Elysabeth Akoulina, Vera Voinova, Garina Bonartseva, Konstantin Shaitan <i>Mechanical Properties of Composite Scaffolds from Poly(3-Hydroxybutyrate) and Sodium Alginate</i>
13:00 - 14:00	Lunch – restaurant

## Session IV

- 15:00 - 15:15 **Roman Matějka**, Jana Štěpanovská, Jana Zárubová, Tomáš Riedel, Zuzana Riedelová, Miroslav Koňářík, Jan Pirk, Lucie Bačáková  
*Endothelisation of Decellularized Pericardium with Heparinized Fibrin Coatings in In Vitro Bioreactor*
- 15:15 - 15:30 **Barbara Zawidlak-Węgrzyńska**, Małgorzata Gonsior, Maciej Gawlikowski, Roman Kustosz, Adam Jarosz, Monika Lewczuk, Lech Czerwiński  
*Polyurethane Filtration as an Effective Method of Material Cleanliness Improvement for Implant Applications*
- 15:30 - 15:45 Karolina Janiczak, Barbara Zawidlak-Węgrzyńska, **Maciej Gawlikowski**, Małgorzata Gonsior, Roman Kustosz  
*Initial Biocompatibility Assessment of Ceramic Material Intended for Application in Implantable Heart Assist Device*
- 15:45 - 16:00 **Małgorzata Gonsior**, Michał Tarnowski, Karolina Janiczak, Barbara Zawidlak-Węgrzyńska, Tadeusz Wierzchoń, Maciej Gawlikowski, Roman Kustosz  
*Ti6Al7Nb Alloy Surface Improvement for Implantable Blood Pumps Applications*
- 16:00 - 16:15 **Alicja Kazek-Kęsik**, Agnieszka Nosol, Joanna Płonka, Małgorzata Krok-Borkowicz, Elżbieta Pamuła, Wojciech Simka  
*Hybrid, Bioactive Coatings Formed on Titanium Alloys Surface*
- 16:15 - 16:30 **Cornelia Wolf-Brandstetter**, Stefanie Urbanek, René Beutner, Dieter Scharnweber, Claus Moseke  
*Integration of Trace Elements into Calcium Phosphate Coatings on Titanium And Their Characterization In Vitro*
- 16:30 - 16:45 **Magdalena Ziabka**, Michał Dziadek, Elżbieta Menaszek, Rafał Banasiuk  
*Otoimplant - A New Middle Ear Prosthesis as an Alternative Medical Device in Operative Treatment of Hearing*
- 16:45 - 18:15** **Poster session and drinks**
- 19:00 - 1:00** **Conference Dinner – restaurant**

## October, 14<sup>th</sup> Saturday

7:00 - 8:00	Swimming pool
7:00 - 8:00	Breakfast - restaurant
8:30 - 13:00	Excursion
13:00 - 14:00	Lunch - restaurant

### 15:00 - 15:45 **Rapid Fire Presentations - YSF**

#### Session V

<b>15:45 - 16:30</b>	<b>Plenary lecture – Prof. Triantafillos Papadopoulos</b> <i>Alternative Bioceramics for Repairing Jaw Bone defects</i>
16:30 - 17:00	Coffee break – Poster viewing
17:00 – 17:15	Piotr Komorowski, Marta Kamińska, Witold Jakubowski, Witold Szymański, Marta Walczyńska, Małgorzata Siatkowska, Katarzyna Działoszyńska, Tomasz Wasiak, Krzysztof Makowski, Agnieszka Kierzkowska, Lechosław Ciupik, <b>Bogdan Walkowiak</b> <i>Comprehensive Biological Evaluation of Biomaterials Used in Spinal Surgery</i>
17:15 – 17:30	<b>Ewa Sawosz</b> , Anna Hotowy, Katarzyna Mitura, Marta Grodzik, Mateusz Wierzbicki, Marta Kutwin, Sławomir Jaworski, André Chwalibog <i>Carbon Allotropes for Muscle Regeneration</i>
17:30 – 17:45	Monika Gołda-Cępa, <b>Janusz Włodarczyk</b> , Jarosław Kuźdzał, Paulina Chytrosz, Andrzej Kotarba <i>The First Report on Characterisation of Partially Covered Self-Expandable Metallic Stents in Esophageal Cancer Treatment: In Vivo Degradation</i>
17:45 – 18:00	<b>Aleksandra Benko</b> , Beata Kolecka, Marek Nocuń, Elżbieta Menaszek, Marta Błazewicz <i>CNTs Alter the Biocompatibility of PAN-Derived CNFs</i>
18:00 – 18:15	<b>Katarzyna Mitura</b> <i>Antioxidant Properties of Bioactive Food Packaging with Nanodiamonds</i>
18:15 – 18:30	<b>Didier von Zeppelin, Martin Manka</b> <i>ARBURG Plastic Freeforming</i>
<b>18:30 - 19:00</b>	<b>Closing remarks and award session</b>
19:00 - 20:00	Dinner - restaurant
20:00 - 0:00	Karaoke and disco - Cafe bar

## October, 15<sup>th</sup> Sunday

7:00 - 8:00	Swimming pool
8:00 - 9:00	Breakfast - restaurant
10:00	Departure to Kraków from „Perła Południa”