



Final programme

October, 11th Thursday

11:00	Departure to „Perła Południa” from Kraków
13:00 - 15:00	Lunch – Restaurant
15:15 - 15:45	Welcome and opening remarks Prof. Jan Chłopek, Prof. Elżbieta Pamuła
15:45 - 16:30	Plenary lecture – Prof. Ana Paula Pego <i>Targeting neurons overcoming extra and intracellular barriers with biomaterial-based vectors to promote neuroprotection and neuroregeneration</i>
16:30 - 17:00	Coffee break
Session I – Chairpersons: Izabela-Cristina Stancu, Stanisław Mitura	
17:00 - 18:30	Oral presentations
19:00 - 1:00	Welcome reception at "Nad potokiem"

October, 12th Friday

7:00 - 8:00	Swimming pool
8:00 - 8:45	Breakfast – restaurant
Session II – Chairpersons: Ana Paula Pego, Andrzej Kotarba	
8:45 - 9:30	Plenary lecture – Prof. Izabela-Cristina Stancu <i>Naturally-derived hydrogels and nanocomposites as building blocks of scaffolds for tissue regeneration</i>
9:30 - 10:30	Oral presentations
10:30 - 11:00	Coffee break
Session III – Chairpersons: Ewa Zuba-Surma, Jan Chłopek	
Special Session <i>BioMiStem - Materials and Biological Specimens for Tissue Repair</i>	
11:00 - 13:00	Oral presentations
13:00 - 14:00	Lunch – restaurant
Session IV – Chairpersons: Alina Sionkowska, Beata Kolesińska	
15:00 - 17:00	Oral presentations
17:00 - 18:30	Poster session and drinks
19:00 - 1:00	Conference Dinner

October, 13th Saturday

7:00 - 8:00	Breakfast – Restaurant/Swimming pool
8:30 - 13:00	Excursion
13:00 - 14:00	Lunch – Cottage bar "Nad potokiem"
15:00 - 15:45	Rapid Fire Presentations - YSF
Session V – Chairpersons: Juraj Kronek, Tomasz Goryczka	
15:45 - 16:45	Oral presentations
16:45 - 17:15	Coffee break
Session VI – Chairpersons: Anna Ślósarczyk, Timothy Douglas	
17:15 - 18:30	Oral presentations
18:30 - 18:45	Closing remarks and award session
19:00 - 0:00	Dinner – Disco – Karaoke – Cottage bar "Nad potokiem"

October, 14th Sunday

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



October, 11th Thursday

11:00	Departure to „Perła Południa” from Kraków
14:00 - 15:00	Lunch – restaurant
15:15 - 15:45	Opening ceremony – Prof. Jan Chłopek, Prof. Elżbieta Pamuła
15:45 - 16:30	Plenary lecture - Prof. Ana Paula Pego <i>Targeting neurons overcoming extra and intracellular barriers with biomaterial-based vectors to promote neuroprotection and neuroregeneration</i>
16:30 - 17:00	Coffee break

Session I – Chairpersons: Izabela-Cristina Stancu, Stanisław Mitura

17:00 - 17:15	Joanna Duch, Monika Golda-Cepa, Andrzej Kotarba <i>Bacteria adhesion to graphenic surfaces</i>
17:15 - 17:30	Aleksandra Benko , Kalina Andrysiak, Aneta Fraczek-Szczypta, Jacek Stepniewski, Jozef Dulak <i>Impact of carbon nanoforms on hiPSC-derived cardiomyocytes</i>
17:30 - 17:45	Ean-Sébastien Thomann, Mohammed Cherif Nassim Chekireb, Credson Langueh, Sylvie Changotade, Géraldine Rohman, Gaëlle Corne, David Duday <i>Nanoengineered hybrid silica/organic nanoparticles and ionized gases for bone regeneration through smart scaffolds</i>
17:45 - 18:00	Susanne Stähle , Karolina Mazur, Aleksandra Krężel, Jagoda Żydek, Elżbieta Pamuła, Julia K. Keppler, J. Barbara Nebe, Timothy E.L. Douglas <i>Osteoblast behaviour on novel whey protein isolate hydrogels</i>
18:00 - 18:15	Dhanak Gupta, Magdalena Kocot, Andrada Serafim, Zbigniew Jaegermann, Abdullah Talari, Stefanie Riedel, Anna M. Tryba, Izabela-Christina Stancu, Krzysztof Pietryga, Gwendolen Reilly, Elżbieta Pamuła, Timothy E.L. Douglas <i>Whey protein isolate-aragonite composites for bone tissue engineering</i>
18:15 - 18:30	Daniel Ward , Radmila Kudlačková, Aleksandra Benko, Valerie Vanhoorne, Chris Vervaet, Jenny Hanson, Raechelle D'sa, Anna Tryba, Krzysztof Pietryga, Elżbieta Pamuła, Nigel J. Fullwood, Timothy E.L. Douglas <i>Carbon nanotube-reinforced hydrogels for bone tissue regeneration</i>
19:00 - 1:00	Welcome reception – regional dinner at "Nad potokiem"



October, 12th Friday

- 7:00 - 8:00 Swimming pool
8:00 - 8:45 Breakfast – restaurant
8:15 - 8:45 Posters mounting

Session II – Chairpersons: Ana Paula Pego, Andrzej Kotarba

- 8:45 - 9:30 Plenary lecture - Prof. Izabela-Cristina Stancu**
Naturally-derived hydrogels and nanocomposites as building blocks of scaffolds for tissue regeneration
- 9:30 - 9:45 **Beata Kolesińska**, Justyna Frączyk, Zbigniew J Kamiński, Piotr Rosiak, Angelika Becht, Aleksandara Czerchawy, Agata Chaberska, Joanna Waśko, Katarzyna Czerczak, Małgorzata E Walczak
Selection of active fragments of collagen
- 9:45 – 10:00 **Alina Sionkowska**, Sylwia Grabska
Collagen, silk fibroin and chitosan based materials for biomedical and cosmetic applications
- 10:00 – 10:15 **Katarzyna Klimek**, Agata Przekora, Michał Wójcik, Grażyna Ginalska
Dialysis method for β -1,3-glucan gelation provides high biocompatibility of β -1,3-glucan/HA bone scaffold
- 10:30 - 11:00 **Juergen M. Lackner**, Roman Major
The influence of the surface topography on the cell-differentiation effect
- 10:30 - 11:00 Coffee break – Poster viewing



Session III – BioMiStem – Materials and Biological Specimens for Tissue Repair

Chairpersons: Ewa Zuba-Surma, Jan Chłopek

- 11:00 - 11:15 **Ewa Zuba-Surma**
Stem cells and their derivatives - current perspectives in tissue engineering and regeneration
- 11:15 - 11:30 **Kinga Pielichowska**, Patrycja Domalik-Pyzik, Barbara Szaraniec, Aleksandra Lach, Monika Skoczeń, Klaudia Ordon, Natalia Złocista-Szewczyk, Karolina Kosowska, Martyna Hunger, Jan Chłopek
Polymeric hydrogels for cartilage tissue regeneration
- 11:30 - 11:45 **Ludwika Lipińska**, Joanna Jagiełło, Magdalena Baran, Katarzyna Kurp
Applications of flake graphene in tissue engineering
- 11:45 - 12:00 **Janusz Kocki**, Anna Bogucka-Kocka
Evolution and application of new genetic techniques - from nucleic acids via microarrays to CRISPR
- 12:00 - 12:15 Jakub Mlost, Marta Bryk, Jakub Chwastek, Michal Korostynski,
Katarzyna Starowicz
Molecular correlates of joint pain intensity in osteoarthritis
- 12:15 - 12:30 **Jacek Jura**, Jarosław Wieczorek, Daniel Lipiński, Andrzej Kuźma, Małgorzata Sekuła, Anna Łabędź-Masłowska, Maciej Mierzwiński, Ewa Zuba-Surma
Humanized transgenic pig – as a preclinical model for in vivo studies of cartilage injuries and treatments with new generation of biomaterials and stem cell populations – preliminary results
- 12:30 - 12:45 **Krzysztof Ficek**, Jolanta Rajca, Agnieszka Racut
New approaches in the ortobiological therapy
- 12:45 – 13:00 **Maciej Mierzwiński**, Krzysztof Ficek
Current concepts of articular cartilage repair
- 13:00 - 15:00 Lunch - restaurant**



Session IV – Chairpersons: Alina Sionkowska, Beata Kolesińska

- 15:00 - 15:15 **Piotr Dobrzyński**, Michał Sobota, Jakub Włodarczyk, Mateusz Stojko, Małgorzata Pastusiak, Janusz Kasperczyk, Krzysztof Milewski, Agata Krauze
Drug - eluting bioresorbable vascular stents manufactured by microinjection moulding
- 15:15 - 15:30 **Roman Major**, Juergen M. Lackner, Małgorzata Gonsior, Hanna Plutecka
Material engineering in cardiovascular reconstruction
- 15:30 - 15:45 Małgorzata Gonsior, **Barbara Zawidlak-Węgrzyńska**, Karolina Janiczak, Danuta Gonsior, Roman Kustosz, Roman Major, Juergen Lackner
Initial in vivo biocompatibility evaluation of biomaterials used in the new biomimetic heart valve
- 15:45 - 16:00 **Małgorzata Gonsior**, Barbara Zawidlak-Węgrzyńska, Karolina Janiczak, Michał Tarnowski, Tadeusz Wierzchoń, Roman Kustosz, Jarosław Barski, Aniela Grajoszek, Romuald Wojnicz, Edyta Warmusz
Initial in vivo biocompatibility evaluation of modified Ti6Al7Nb alloy surface
- 16:00 - 16:15 **Katarzyna Jelonek**, Piotr Dobrzyński, Janusz Kasperczyk, Joanna Jaworska, Małgorzata Pastusiak, Michał Sobota, Jakub Włodarczyk, Paulina Karpeta-Jarząbek
Effect of vascular scaffold composition on release of sirolimus
- 16:15 - 16:30 **Michał Sobota**, Jakub Włodarczyk, Mateusz Stojko, Piotr Dobrzyński, Janusz Kasperczyk, Mariusz Pawlak
The electrospun fabrics as a heart valve leafs
- 16:30 - 16:45 **Joanna Jaworska**, Katarzyna Jelonek, Marzena Jaworska, Wojtek Kajzer, Janusz Szewczenko, Małgorzata Pastusiak, Janusz Kasperczyk
Evaluation of various antibacterial, biodegradable polymeric coatings developed on Ti6Al7Nb surface
- 16:45 – 17:00 **Juraj Kronek**, Nadežda Petrenčíková, Zuzana Kroneková, Shubhashis Datta, Daniel Jancura
Gradient copolymers from aromatic and aliphatic 2-oxazolines as promising biomedical materials
- 17:00 - 18:30** **Poster session and drinks**
- 19:00 - 1:00** **Conference Dinner – restaurant**



October, 13th Saturday

- 7:00 - 8:00 Swimming pool
7:00 - 8:00 Breakfast - restaurant
8:30 - 13:00 Excursion
13:00 - 15:00 Lunch – Cottage bar "Nad potokiem"

**15:00 - 15:45 Rapid Fire Presentations – YSF – Chairpersons:
Izabela-Cristina Stancu, Patrycja Domalik-Pyzik, Karol Gryń**

Session V – Chairpersons: Juraj Kronek, Tomasz Goryczka

- 15:45 – 16:00 Michał Szczypiński, **Stanisław Mitura**, Petr Louda, Irena Slamborova, Petr Exnar, Artur Bartosik, Ahmed El-Mallul, Anna Karczemska
New type of polymeric antibacterial coating containing metal nanoparticles
- 16:00 – 16:15 **Dorota Bociąga**, Jacek Grabarczyk, Anna Sobczyk-Guzenda, Mateusz Bartniak, Karolina Przybyszewska
3D bioprinting – determination of hydrogel bioinks properties for a printer with dedicated construction
- 16:15 – 16:30 **Marcin Elgalal**, Piotr Komorowski, Krzysztof Makowski, Andrzej Styczyński, Piotr Ulański, Tomasz Kubiak, Jacek Sawicki, Marcin Domżański, Bogdan Walkowiak
Design and manufacture of customized medical implants
- 16:30 – 16:45 **Wojciech Karwowski**
Biomaterials in correction of ingrown nails – overview of current issues
- 16:45 - 17:15 Coffee break

Session VI – Chairpersons: Anna Ślósarczyk, Timothy Douglas

- 17:15 – 17:30 **Łukasz Szparaga**, Katarzyna Mydłowska, Ewa Dobruchowska, Przemysław Bartosik, Adam Gilewicz, Jerzy Ratajski
Investigation of mechanical and anticorrosive properties of ZrC coatings deposited by magnetron sputtering technique
- 17:30 – 17:45 Jerzy Ratajski, Łukasz Szparaga, **Katarzyna Mydłowska**, Ewa Dobruchowska, Ewa Czerwińska, Adam Gilewicz
Investigation on the influence of ZrC coatings structure on their resistance to corrosion and antimicrobial properties
- 17:45 – 18:00 **Karolina Schickle**, Gaële Desante, Gerriet-Maximilian Goldschmidt, Rafał Zybala, Małgorzata Krok-Borkowicz, Elżbieta Pamuła, Rainer Telle
Biomimetic in situ nucleation of calcium phosphate/Ag coating on bioinert ceramic
- 18:00 – 18:15 **Ewelina Cichoń**, Aneta Zima, Anna Ślósarczyk
Surfactant-assisted fabrication and evaluation of macroporous calcium phosphate bone cements
- 18:30 - 18:45 Closing remarks and award session**
19:00 - 0:00 Dinner – Disco – Karaoke – "Nad potokiem"

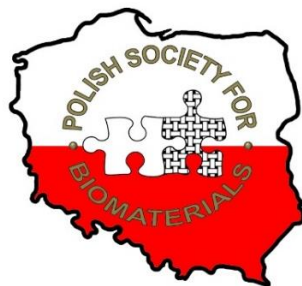


27th Biomaterials in Medicine and Veterinary Medicine Annual Conference

11 – 14 October 2018 Rybnik, Poland

October, 14th Sunday

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



Polish Society for Biomaterials

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