



FINAL PROGRAMME

October, 10th Thursday

11:00	Departure to „Perła Południa” from Kraków
14:00 - 15:00	Lunch – Restaurant
15:15 - 15:45	Welcome and opening remarks Prof. Jan Chłópek, Prof. Elżbieta Pamuła
15:45 - 16:30	Plenary lecture – Prof. Wojciech Świąszkowski <i>3D biofabrication for tissue engineering</i>
16:30 - 17:00	Coffee break

Session I – Chairpersons: Wojciech Świąszkowski, Jonathan Massera

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

October, 11th Friday

7:00 - 8:00	Swimming pool
8:00 - 8:45	Breakfast – restaurant

Session II – Chairpersons: Alina Sionkowska, Gary L. Bowlin

9:00 - 9:45	Plenary lecture – Prof. Emmanuel Pauthe <i>Proactive biomaterials: biomimetic interfacial properties and advanced delivery systems</i>
9:45 - 10:45	Oral presentations
10:45 - 11:15	Coffee break

Session III – Chairpersons: Emmanuel Pauthe, Bogdan Walkowiak

11:15 - 12:00	Plenary lecture – Prof. Jonathan Massera <i>Bioactive glasses: benefits and drawbacks for use in bone tissue engineering</i>
12:00 - 13:00	Oral presentations
13:00 - 14:00	Lunch – restaurant

Session IV – Chairpersons: Ewa Zuba-Surma, Tomasz Goryczka

15:30 - 17:00	Oral presentations
17:00 - 18:30	Poster session and drinks
19:00 - 1:00	Conference Dinner

October, 12th Saturday

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

Session V – Chairpersons: Patrycja Domalik-Pyzik, Karol Gryń

15:00 - 16:30	Rapid Fire Presentations/Poster session
16:30 - 17:00	Coffee break

Session VI – Chairpersons: Elżbieta Pamuła, Piotr Dobrzyński

17:00 - 17:30	Keynote Lecture – Prof. Thomas J. Webster <i>Goodbye hospitals: hello implantable sensors</i>
17:30 - 18:30	Oral presentations
18:30 - 18:45	Closing remarks and award session
19:00 - 0:00	Dinner/Karaoke and disco

October, 13th Sunday

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

October, 10th Thursday

11:00	Departure to „Perła Południa” from Kraków
14:00 - 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. Wojciech Świąszkowski <i>3D biofabrication for tissue engineering</i> [Engineering of Biomaterials 153 (2019) 6]
16:30 - 17:00	Coffee break

Session I – Chairpersons: Wojciech Świąszkowski, Jonathan Massera

17:00 - 17:15	William E. King III, Yvonne Gilespe, Keaton Gilbert, Gary L. Bowlin <i>Near-field electrospinning of polydioxanone tissue regeneration templates</i> [Engineering of Biomaterials 153 (2019) 16]
17:15 - 17:30	Marcin Elgalal, Piotr Komorowski, Krzysztof Makowski, Andrzej Styczyński, Piotr Ulański, Tomasz Kubiak, Jacek Sawicki, Marcin Domżański, Bogdan Walkowiak <i>Design and manufacture of customized medical implants – continued</i> [Engineering of Biomaterials 153 (2019) 100]
17:30 - 17:45	Krzysztof Lenartowicz, Tomasz Gapinski, Paulina Galas, Małgorzata Gonsior , Leonardo Ricotti, Lorenzo Vannozzi <i>3D bioprinting handheld tool concept for innovative osteoarthritis treatment with stem cells utilization</i> [Engineering of Biomaterials 153 (2019) 44]
17:45 - 18:00	Andreu Blanquer , Elena Filová, Eduard Brynda, Johanka Kučerová, Věra Jenčová, Barbora Kopřivová, Renata Procházková, Lucie Bačáková <i>Effect of PLCL/PCL nanofibers-based scaffolds with fibrin assembly containing platelet lysate on skin cells</i> [Engineering of Biomaterials 153 (2019) 15]
18:00 – 18:15	Ewa Dzierzkowska , Anna Ścisłowska-Czarnecka, Maciej Boguń, Ewa Stodolak-Zych <i>Biological properties of fibrous membranes modified with natural and synthetic antibiotics</i> [Engineering of Biomaterials 153 (2019) 40]
18:15 - 18:30	Aleksandra Radtke , Michalina Ehlert, Piotr Piszczek, Katarzyna Roszek, Tomasz Jędrzejewski <i>Titania nanotubes as scaffolds with optimal nanotopography for adipose-derived stem cells</i> [Engineering of Biomaterials 153 (2019) 49]
19:00 - 1:00	Welcome reception – regional dinner at "Nad potokiem"

October, 11th Friday

7:00 - 8:00 Swimming pool
8:00 - 8:45 Breakfast – restaurant

Session II – Chairpersons: Alina Sionkowska, Gary L. Bowlin

- 9:00 - 9:45 **Plenary lecture - Prof. Emmanuel Pauthe**
Proactive biomaterials: biomimetic interfacial properties and advanced delivery systems [Engineering of Biomaterials 153 (2019) 7]
- 9:45 - 10:00 Michał Dziadek, Radmila Kudláčková, Aneta Zima, Anna Śłosarczyk, Magdalena Ziąbka, Piotr Jelen, Svetlana Shkarina, Angelica Cecilia, Markus Zuber, Tilo Baumbach Maria A. Surmeneva, Roman A. Surmenev, Lucie Bačáková, Katarzyna Cholewa-Kowalska, **Timothy E.L. Douglas**
Novel multicomponent organic-inorganic whey protein isolate (WPI)/gelatin/calcium phosphate-hydrogel composites for bone tissue engineering [Engineering of Biomaterials 153 (2019) 47]
- 10:00 – 10:15 Karolina Kosowska, Martyna Hunger, Patrycja Domalik-Pyzik, **Kinga Pielichowska**, Jan Chłopek
Polyurethane-based hydrogels modified with graphene oxide and hydroxyapatite for cartilage tissue regeneration
[Engineering of Biomaterials 153 (2019) 77]
- 10:15 – 10:30 Paulina Kazimierczak, Krzysztof Pałka, **Agata Przekora**
Highly macroporous chitosan/agarose/HA bone scaffold produced by combination of freeze-drying with gas-foaming agent
[Engineering of Biomaterials 153 (2019) 17]
- 10:30 – 10:45 **Anna Łabędź-Masłowska**, Agnieszka Szkaradek, Ewa Zuba-Surma
Isolation and culture of adipose tissue-derived mesenchymal stem cells in GMP quality conditions for its further application in tissue engineering
[Engineering of Biomaterials 153 (2019) 56]
- 10:45 - 11:15 Coffee break – Poster viewing

Session III – Chairpersons: Emmanuel Pauthe, Bogdan Walkowiak

- 11:15 - 12:00 **Plenary lecture - Prof. Jonathan Massera**
Bioactive glasses: benefits and drawbacks for use in bone tissue engineering
[Engineering of Biomaterials 153 (2019) 8]
- 12:00 - 12:15 **Amel Houaoui, Jonathan Massera, Michel Boissiere, Emmanuel Pauthe**
Composite & hybrid (bio)materials based on bioactive glass: toward optimised substitute for bone bio-engineering
[Engineering of Biomaterials 153 (2019) 35]
- 12:15 – 12:30 **Leszek Borkowski, Agata Przekora, Anna Belcarz, Grzegorz Józefaciuk, Grażyna Ginalska**
Modification of hydroxyapatite by anionic substitution
[Engineering of Biomaterials 153 (2019) 29]
- 12:30 - 12:45 **Alicja Kazek-Kęsik, Joanna Płonka, Katarzyna Leśniak, Monika Śmiga-Matuszowicz, Monika Brzychczy-Włoch**
Formation of bacteriostatic coatings of Ti alloy implants
[Engineering of Biomaterials 153 (2019) 13]
- 12:45 – 13:00 **Katarzyna Leśniak, Alicja Kazek-Kęsik, Krzysztof Rokosz, Monika Brzychczy-Włoch, Wojciech Simka**
Bacteriostatic layers formed on Ti-15Mo alloy Surface
[Engineering of Biomaterials 153 (2019) 49]
- 13:00 - 14:00 Lunch – restaurant

Session IV – Chairpersons: Ewa Zuba-Surma, Tomasz Goryczka

- 15:00 - 15:15 **Piotr Piszczek**, Maciej Janek, Tadeusz Muzioł, Aleksandra Radtke
Studies of photocatalytic properties and bioactivity of titanium-oxo clusters
[Engineering of Biomaterials 153 (2019) 46]
- 15:15 - 15:30 **Joanna Płonka**, Wojciech Simka, Alicja Kazek-Kęsik
High-performance liquid chromatography in the analysis of drugs released from polymeric coatings
[Engineering of Biomaterials 153 (2019) 14]
- 15:30 - 15:45 **Michał Sobota**, Piotr Dobrzyński, Jakub Włodarczyk, Mateusz Stojko
Bioresorbable peripheral vascular stent with shape memory effect
[Engineering of Biomaterials 153 (2019) 60]
- 15:45 - 16:00 **Agnieszka Adamus-Włodarczyk**, Marta Socka, Radosław Wach, Bożena Rokita, Piotr Ulański
Enzymatic, oxidative and hydrolytic degradation of P(LA-b-TMC) copolymers
[Engineering of Biomaterials 153 (2019) 65]
- 16:00 - 16:15 **Karolina Schickle**, Gaëlle Desante, Ludwika Lipińska, Michał Woluntarski, Norina Labude, Sabine Neuß
Multifunctionalization of inert ceramics through graphene-derivates immobilization
[Engineering of Biomaterials 153 (2019) 39]
- 16:15 - 16:30 **Gaëlle Desante**, Norina Labude, Sabine Neuss, Rainer Telle, Karolina Schickle
Multifunctionalization of inert ceramic surfaces using in situ cap nucleation
[Engineering of Biomaterials 153 (2019) 36]
- 16:30 - 16:45 **Zümray V. Parlak**, Rafał Zybala, Norina Labude, Sabine Neuss, Rainer Telle, Karolina Schickle
In vitro investigation of the platelet and leukocyte activation on different crystallographic surfaces of silicon carbide
[Engineering of Biomaterials 153 (2019) 37]

17:00 - 18:30 **Poster session and drinks**

19:00 - 1:00 **Conference Dinner – restaurant**

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17:00 – 17:30	Keynote Lecture - Thomas J. Webster <i>Goodbye hospitals: hello implantable sensors</i> [Engineering of Biomaterials 153 (2019) 31]
17:30 – 17:45	Aleksandra Benko , Tadeusz Popiela, Sebastian Wilk, Marek Nocuń, Marta Bińczak, Elżbieta Menaszek, David Medina Cruz, Thomas J. Webster <i>Electrical and biological performance of oxygen and nitrogen modified CNTs</i> [Engineering of Biomaterials 153 (2019) 96]
17:45 – 18:00	Krzysztof Jastrzębski , Anna Jędrzejczak, Aleksandra Jastrzębska, Witold Szymański, Dorota Bociąga, Maciej Wrotniak, Piotr Niedzielski <i>Comparison of silver and copper as dopants of carbon coating</i> [Engineering of Biomaterials 153 (2019) 73]
18:00 – 18:15	Laurine Martocq , Pascale Chevallier, Morgane Laurent, Gaetan Laroche, Kremena Makasheva <i>Influence of plasma-deposited coating of silver nanoparticles embedded in a SiOC:H matrix on the adsorption of fibronectin</i> [Engineering of Biomaterials 153 (2019) 53]
18:15 – 18:30	Aleksander Foryś , Maria Chountoulesi, Natassa Pippa, Stergios Pispas, Costas Demetzos, Łukasz Otulakowski, Barbara Trzebicka <i>Study of lipid-copolymer systems by cryo-TEM and DLS</i> [Engineering of Biomaterials 153 (2019) 19]
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