YBERC 2024

PROGRAM

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13:00-15:00

Registration

15:00-15:10

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Opening session

15:10-15:25

15:25-15:40

A

Material developmet for biocompatible personalized scaffolds produced by fused

Д

depositon of ceramics New approach for preparation of complex hydroxyapatite bioceramics Marian Janek

Ľuboš Bača

15:40-15:55

Д

Additive manufacturing of barium titanate ceramic scaffolds Peter Veteška

15:55-16:10

Д

Unlocking genetic prognostication: cage app - computer-aided approach for genomics prediction

Jana Schwarzerová

16:10-16:25

Д

Tissue engineered vascular grafts new approach utilizing decellularized tissues modified with 3d collagen and stem cell bioprinting

Roman Matějka

16:25-16:40

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Optimization of 3D bioprinting of highly concentrated collagen bioinks in tissue engineering applications

Denisa Kaňoková

16:40-17:20

Coffee break

17:20-17:45

Invited speaker

Andrea Vítečková Wünschová

3D printed models to study vascular pathologies

17:45-18:00

In vitro models of ischemic stroke

Jan Víteček

凡 18:00-18:50

Plenary lecture: Writing high quality articles

Karel Roubik Jakub Ráfl

18:50-19:20

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Workshop: Meet your editors

19:20-19:30 19:20-19:30 Break

Dinner

凸 19:50-00:00

Wine testing party & FBME lab tour

Scientific program



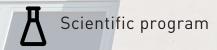


YBERC 2024

PROGRAM

Thursday, 6. 6. 2024

inursaay, 6.	6. 2024	
08:00-08:15 人	Charting the waters of digital security: implementing NIS2 directive in healthcare and its challenges in the Czech republic	David Jirsa
08:15-08:30 		Jan Šíma
08:30-08:45 <u>\</u>	Optimalization on 3D tissue scaffold persusion	Zdeněk Kukla
08:45-09:00 <u>人</u>	Decellularization of tissues of cadaverous donors for cardiovascular replacements	Vojtěch Šourek
09:00-09:15	Improved systolic peak detection in photoplethysmography signals: focus on atrial fibrillation	Enikö Vargová
09:15- <mark>09:30 </mark>	Method comparison for bone density in multiple myeloma patients	Michal Nohel
09:30-10:00	Coffee break	
10:00-10:25	Invited speaker: Intellectual property protection in cooperation with industry	artin Drahanský
10:25-10:40	Modeling of ventricular activation in a PVC patient using a reaction-diffusion mode	Lukáš Zelieska
10:40-11:30	Break (leaving to hotels)	
11:30-12:20	Transfer to Chlum (from hotels)	
12:30-13:00	Lunch	
13:00-14:00 人	Plenary lecture: Deep fake detection	Vitomir Štruc
14:00-14:30	Drink break	
14:30-17:30	Caving and other outdoor activities	
17:30-18:30	Transfer back to hotels	



20:00-00:00



Beer & wurst party



YBERC 2024

PROGRAM

Friday, 7. 6. 2024	4	2	0	2	6.	7.	у.	da	ri	F
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Tilday, 7.			
08:30-08:45	8	Modeling the long-term impacts and costs of diabetes mellitus on peripheral artery disease	Eliška Friebová
08:45-09:00	A		zie Torkashvand zation
09:00-09:25	A	Invited speaker: Collagen applications: focusing on the mechanical and structural cor	Tomáš Suchý nstraints
09:25-09:40	人	Simulation of a remote patient health monitoring system using arduino with connection and data exchange via bluetooth	tra Kolembusová
09:40-09:55		Wireless monitoring of basic vital signs using IP camera	Michal Kučera
09:55-1 <mark>0:10</mark>	丛	Electric stimulation of non-excitable cells	Vojtěch Lindauer
10:10- <mark>10:45</mark>		Coffee break	
10:45-11:00	A	Use of 3D scanning in burn analysis and identification: methodology and case studies	ibiána Ondrejová
11:00-11:15	B	In vitro analysis of biocompatibility using mesenchymal stem cells	ana Demeterová
11:15-11:30	A	Facial burn mask design and manufacturing workflows	ranko Štefanovič
11:30-11:45	丛	Specifics of IT protection in healthcare facilities	David Jirsa
11:45-12:00	A	Modelling adverse effects after radiotherapy in the head and neck region – a case study	Ivana Kinclová
12:00-12:15	A	precision of 3D bioprinted	ereza Hloušková
12:15-12:30	B	non-methacrylated collagen based scaffolds Detecting robotic assistant: Analyzing Sensoric Floor Data Patterns	Michal Strýček
12:30-13:00 13: <u>00</u> -14:00		Closing session Lunch	outdoor/sports wear recommended
A Scientifi	c progr	Combined scientific and social program	Social and leisure time program