

„1st InterBioMed Young Scientists Forum”
Centre for Advanced Materials and Technologies (CEZAMAT)
Poleczki 19 Street, 02-822 Warsaw

Day 1 – 14.10.2019

10.00-10.15 Opening Ceremony

Chairperson: Prof.dr hab. inż. Wojciech Świąszkowski

10.15-11.00 Lecture led by special guest **Prof. Leszek Kaczmarek** “*Molecules for the mind*”
BRAINCITY, Nencki Institute, Polish Academy of Sciences

11.00-11.45 Lecture led by special guest **Prof. Piotr Garstecki**, “*Microfluidics for detection and characterization of antimicrobial resistance*”, Institute of Physical Chemistry, Polish Academy of Sciences

11.45-12.15 Students Meet Mentors & Companies Exhibition (SKAFFOSYS, WITKO, Scope Fluidics, Curiosity Diagnostics, MaterialsCare, TECHGENIC, MSA System, Sygnis New Technologies)

12.15-13.30 Lunch Break

Chairpersons: Chiara Rinoldi and Alessia Paradiso

InterbioMed Forum Partner Presentation:

13.30-13.45 Grzegorz Kaszyński, Sygnis NewTechnology Sp z o.o. “*Novel bioprinting and biopatterning techniques with resolution down to 1 micrometer*”

Students Panel:

13.45-14.00 Kasper Marchlewicz “*A miniaturized device for performing PCR integrated with the genosensor to detect the Corynebacterium diphtheriae bacterium*”

14.00-14.10 Jaśmina Bałaban “*Effects of graphene oxide nanofilm and chicken embryo muscle extract on muscle progenitor cells differentiation and maturation*”

14.10-14.20 Karol Szlajak “*MicroCT data as a basis for mechanical properties and degradation process of bone scaffolds*”

14.20-14.30 Małgorzata Mateusiak “*Image processing for vertebrae endplates detection for spondylolisthesis assessment*”

14.30-14.40 Katarzyna Dobrowolska „*Dynamic properties of air/liquid surface as a determinant of the physiological characteristics of the pulmonary surfactant*”

14.40-14.50 Katarzyna Tokarska “*Nanotechnology meets microfluidics. Research on polymeric micelles for enhancement of combination therapy of melanoma*”

14.50-15.00 Jakub Jagielski “*Lipid liquid crystalline nanoparticles – synthesis and cytotoxicity evaluation*”

15.00-15.30 Coffee break

15.30-17.00 Poster session

19.00-Social meeting: Young Scientists Night at “*Żaczek*”, Wołoska 141a Street, 02-507 Warsaw

Partners of 1st InterBioMed Young Scientists Forum



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SKAFFOSYS

Day 2 – 15.10.2019

10.15-11.00 Lecture led by special guest **Prof. Agnieszka Chacińska** “*Cellular management of proteins*”, Centre of New Technologies, University of Warsaw

11.00-11.45 Lecture led by special guest **Prof. Maciej Wojtkowski** “*Short pulses, Two photons and infrared vision*” Institute of Physical Chemistry, Polish Academy of Sciences

11.45-12.15- Students Meet Mentors & Companies Exhibition (SKAFFOSYS, WITKO, Scope Fluidics, Curiosity Diagnostics MaterialsCare, TECHGENIC, MSA System, Sygnis New Technologies)

Lunch break

Chairpersons: Ewa Walejewska and Jaśmina Balaban

PhD Panel:

13.30-13.45 dr Adrian Chlanda “*Qualitative and quantitative assessment of internal structure and local mechanical properties of degraded electrospun polymeric-based mats*”

13.45-14.00 dr Andrzej Peplowski “*Polymer membranes on screen-printed electrodes for measuring potassium concentration*”

Students Panel:

14.00-14.10 Sandra Skorupska “*Research on the use of three-dimensional spheroids to study the delivery of anticancer drugs by electroporation*”

14.10-14.20 Chiara Rinoldi “*Tendon tissue engineering: design of aligned cell-laden hydrogel fibers*”

14.20-14.30 Agata Sotniczuk „*Modern single-phased Ti materials for long-lasting biomedical applications– a comparison of nanocrystalline (α) Ti and metastable (β) Ti-29Nb-13Ta-4.6Zr alloy*”

14.30-14.40 Klara Zglińska „*Biocomplex extract of spiny-cheek crayfish and gold nanoparticles enhances the expression of growth factors in HFFF-2 fibroblast cel*”

14.40-15.00 Coffee break

15.00-16.00 Workshops with InterBioMed Forum Partners: Scope Fluidics & Curiosity Diagnostics

"Start-up - business approach to science"

The discussion panel and workshops are aimed at showing work in a startup from the beginning of its activity and through subsequent stages of development. Using our knowledge gained in Scope Fluidics we'll show you how to respond to real market demand using science and technology.

In the second part, together with the participants we will try to "start" a new start-up - finding the market need and defining the product.

16.00 Closing Ceremony

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