

## 2<sup>nd</sup> Aveiro-Osaka Universities joint symposium on advanced biomaterials and cell-based bioengineering strategies.



Online, from Osaka University, March 17, 2021

This international workshop will comprise presentations from researchers affiliated at both University of Aveiro and University of Osaka, focusing aspects related with biomaterials, human cells engineering and nano/micro technologies for advanced therapies, including regenerative medicine and drug discovery.

This event is endorsed by the FET-OPEN project *NeuroStimSpinal*, coordinated by the University of Aveiro, and supported by the bilateral project “Development of Compartmentalization Technology by Artificial Basement Membrane for Construction of Ordered 3D-Tissues” financed by the *Japan Society for the Promotion of Science*.

The event will be associated to the cycle of scientific seminars promoted by the Department of Chemistry from University of Aveiro, and integrated in the course of *Cells and Tissue Engineering* from the *Master in Biotechnology* from the same university.

We invite all the academic and student community to attend this symposium, and enjoy the talks and the interaction with the speakers.

Michiya Matsusaki, Univ. of Osaka  
João F. Mano, Univ. of Aveiro  
(chairs)

Zoom online

Topic: 2nd UA-UO online mini-symposium

March 17, 2021. 06:00 PM in Osaka, Japan

Zoom address:

<https://videoconf->

[colibri.zoom.us/j/82368636958?pwd=VVp4NFBjRm9VZDExNEZuektsdG9Ddz09](https://colibri.zoom.us/j/82368636958?pwd=VVp4NFBjRm9VZDExNEZuektsdG9Ddz09)

ID of the meeting: 823 6863 6958

Password: 339584

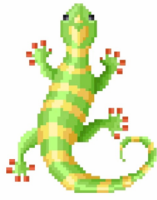


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COMPASS  
ENGINEERING LIFE GUIDED BY NATURE





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### PROGRAM

(Time in Portugal)

(Time in Japan)

9:00: **Prof. Michiya Matsusaki:** Opening remarks from Univ. of Osaka 18:00

**Chair: Prof. João F. Mano:**

9:05: **Dr. Vítor M. Gaspar:** Bottom-up Engineered Disease Models via Tailored Biomaterials and Processing Technologies 18:05

9:25: **Assist Prof. Masahiko Nakamoto:** Engineering of Polymer Materials That Interact with Target Proteins 18:25

9:45: **Cátia F. Monteiro:** Human platelet lysates-based hydrogels as 3D platforms for tissue engineering and disease modelling applications 18:45

10:00: **Asri Bin Abdul Muhammad Sisak:** Screening of Chemical Probes Libraries Through In Vitro Engineered 3D-Blood Capillaries for In Vivo Live Imaging 19:00

**Chair: Prof. Michiya Matsusaki:**

10:15: **Dr. Mariana B. Oliveira:** Exploiting the properties of mesenchymal stem cells in scaffold-free and low-biomaterial setups 19:15

10:35: **Dr. Dong-hee Kang:** Fabrication of Cultured Beef Steak Based on Tendon Gel Integrated Bioprinting 19:35

10:55: **Daniela Silva:** Scaffolds based on decellularized extracellular matrix and graphene oxide: a route to repair the spinal cord injury? 19:55

11:10: **Daisuke Tomioka:** Development of Temperature Dependent Oxygen Releasable Biomaterials by Modulating Oxidation State of Myoglobin 20:10

11:25: **Prof. João F. Mano:** Closing remarks from Univ. of Aveiro 20:25