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SCHOOL OF HEALTH SCIENCES
FACULTY OF MEDICINE
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International Seminars in Physiology Series

Seminar Announcement

Established in February 2024, the monthly series of scientific seminars with distinguished guest speakers from around the world. In our ninth seminar for the academic year 2024-2025 we are delighted to host **Prof. Nicholas A. Kurniawan** from Eindhoven University of Technology, Netherlands**.**

Wednesday, June 4th 2025 at 15:00 Greece time

The secret life of fibroblasts –
An attempt to engineer cell and tissue mechanophysiology

Nicholas A. Kurniawan, Ph.D
Associate Professor in Cell–Matrix Mechanobiology
Department of Biomedical Engineering &
Institute for Complex Molecular Systems
Eindhoven University of Technology
Eindhoven, Netherlands

The seminar will be 45 minutes followed by 15 minutes allocated to discussion. To participate in the seminar, you can use the Zoom Meeting link:

https://zoom.us/j/92660586324?pwd=K5B1pU1Nanhv5UgpaS2usFN7vYaI7X.1

Meeting ID: 926 6058 6324
Passcode: 555053

The speaker: Dr. Kurniawan is an Associate Professor in the Department of Biomedical Engineering and Institute for Complex Molecular Systems, Eindhoven University of Technology (TU/e). Dr. Kurniawan combines his background in mechanical engineering and biophysics (BEng, National University of Singapore), extracellular matrix (PhD, National University of Singapore), and cellular biopolymers (Postdoc, AMOLF) to build a unique research line on the mechanobiology of cell–matrix interactions at TU/e. Specifically, his research team exploits the physicostructural and mechanical features of cellular environments to steer the function, shape, and phenotype of living mammalian cells, tissues, and organoids. To do this, his team has built up extensive and interdisciplinary expertise on the engineering and fabrication of biomimetic cellular environments at multiple scales—from 2D micropatterns to 3D extracellular matrices and bioreactors. His works have received international recognition and awards, including ERC Starting Grant, Marie Curie fellowship, Singapore–MIT Alliance fellowship, and GEM^4 scholarship. Dr. Kurniawan has been trusted to lead international initiatives for science advocacy, having served as the Managing Director (Europe&UK) for International Indonesian Scholar Association and in the Dutch Research Council Physics of Life Advisory Committee, and as subject matter expert, for example as Editor at Communications Biology (Nature Research) and BMC Biology (Springer Nature).

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