



LIT LECTURES - SCIENCE IN A NUTSHELL

11 September 2019
13:00

New Location! Forum, LIT Open Innovation Center, JKU

Monitoring wound healing by chameleon inspired materials

Wound healing is a complex process often accompanied by infections, thus calling for an efficient and effective wound management. Newly designed bio-inspired chameleomers shall help to monitor the development of wounds and to detect infective pathogens early on.

Oliver Brüggemann
(LIT / Institute of Polymer Chemistry)

Exchange methods for constrained experimental design

For any data-based decision it is indispensable that the process of collecting the data is as effective as possible. Optimal design of experiments seeks to maximize the information gained from a data collection scheme.

Werner G. Müller
(LIT / Institute of Applied Statistics)

A mechatronic device for the selective elimination of circulating tumor cells

Circulating tumor cells (CTCs) are derivatives of malign tumors entering the blood circulation. We try to use the different shear stress-tolerance of CTCs and blood cells to develop a mechatronic device selectively eliminating CTCs from blood.

Werner Baumgartner
(Institute of Biomedical Mechatronics)

Coffee & Cakes provided.
Please register latest
by 4 September at
jku.at/vas

Upcoming LIT Lecture:
13 November 2019 | 13:00