Marburg, August 28th – 29th

Engineering of Functional Interfaces EnFI 2017 – a conference for young scientists

Design, characterization, and production of functional interfaces is of increasing importance in many disciplines. On one hand, devices of daily life are getting smarter as an effect of functional materials; on the other hand, functional interfaces are an integral part of sensors, medical devices and drug delivery systems. Because of the complexity of these materials, an interdisciplinary approach for the education of scientists and engineers is of tremendous importance.

EnFI 2017, running now in its 10th consecutive year, offers a platform for an interdisciplinary exchange of ideas amongst master and Ph.D. students as well as postdoctoral researchers. For selected topics, tutorial lectures are given by internationally renowned experts. Moreover, young researchers will present their recent results as brief oral presentations and poster contributions in an interdisciplinary context. Ample time will be given to discussions on materials science, surface engineering, theoretical modelling concepts, and pathways towards system integration in sensors, optical, electronic, and medical devices. EnFI 2017 will be held at Philipps-Universität Marburg and will be organized by the Faculty of Pharmacy.

Philippus-Universität is not only a German university steeped in tradition, it is also the oldest university in the world that was founded as a Protestant institution in 1527. It has been a place of research and teaching for nearly five centuries. Nowadays, there are almost 26,500 students studying in Marburg - 12 percent from all over the world. Pharmaceutical as well as chemical teaching has been started in 1609, over 400 years ago. Out of this rich tradition, many interesting research fields have been developed over the centuries. In total, 11 Nobel Prize winners are associated with Philippus-Universität Marburg.

Topics

Besides contributions in the fields of
- Soft and Inorganic Thin Films
- Nano Particles / Drug Delivery
- Bio Hybrid Materials / Sensor Layers
- Catalysis / Medical Engineering

Also further papers out of the areas of micro- and nanoscale surfaces as well as microbiological diagnosis are kindly welcome. New concepts for chemo- and biosensors as well as medical devices are invited.

Scientific Advisory Board

Maximilian Fleischer, Siemens München
Achim-Walter Hassel, Uni Linz (AT)
Sven Ingebrandt, FH Kaiserslautern
Claus-Dieter Kohl, Uni Giessen
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Andreas Offenhäusser, FZ Jülich
Arshak Poghossian, FH Aachen
Torsten Wagner, FH Aachen
EnFI Course

Young scientists working on fields mentioned above are kindly invited to register and submit a contribution until June 1st 2017 (one page abstract). Each contributor should give a short oral presentation as well as a poster (DIN A0 = 84.1 x 118.9 cm, upright orientation). All posters will be presented over the whole conference. Young scientists are invited to submit a manuscript for a special issue for Physica Status Solidi.

Dates

Abstracts and registration: 21.06. 2017
Acceptance of abstracts: 31.06.2017
EnFI for young scientists: 28./29.08.2017

Website: http://www.pharmazie.uni-marburg.de/enfi-2017/

Further information about abstract submission, registration and manuscript submission will be given at April 2017.

Chair

M. Keusgen, Marburg, in cooperation with Michael J. Schöning, Jülich; Theodor Doll, Hannover; Patrick Wagner, Leuven (Belgium)

Contact

Philips-Universität Marburg, Faculty of Pharmacy
Fernanda Lorek, conference office
Wilhelm-Roser-Straße 2, D-35037 Marburg
Tel. +49 (0) 6421/28-25805, Fax +49 (0) 6421/28-27052
fernanda.lorek@staff.uni-marburg.de

Program (preliminary)

Sunday, August 27th
Arrival and reception at conference venue (19:00) GET TOGETHER PARTY

Monday, August 28th
7:30 Registration
9:00 Opening Ceremony
9:50 – 10:55 Short Lectures Session A
10:55 – 12:00 Poster Presentation A and Coffee Break
12:00 – 13:00 Lunch Break
13:00 – 13:40 Key Note Lecture 2: Keck C.: Nanopharmacy – improved health with smaller size
13:40 – 14:45 Short Lectures Session B
14:45 – 15:45 Poster Presentation B and Coffee Break
15:45 – 16:20 Key Note Lecture 3: Elter, P.: Nanostructured biomaterial interfaces for the regulation of cell adhesion
16:30 – 17:30 Short Lectures Session C
17:45 – 18:45 Poster Presentation C
19:00 Conference Dinner

Tuesday, August 29th
9:00 – 9:40 Key Note Lecture 4: Wagner T.: Photonic Structures for Sensing
9:40 – 11:00 Short Lectures Session D
12:00 – 13:00 Poster Presentation D and Coffee Break
13:00 – 14:00 Lunch Break
14:00 – 14:40 Key Note Lecture 5: Miyamoto K.: Applications of a chemical imaging sensor to micro-volume samples
14:40 – 15:40 Short Lectures Session E
15:40 – 16:40 Poster Presentation and Coffee Break
16:40 – 17:00 Poster Awards and Closing Ceremony