

CH Information

News – Honors – Workshops – Conferences – Lectures

NEWS

Three-Dimensional Tissue Models Could Replace Testing on Animals

At the Institute of Chemistry and Biological Chemistry, ZHAW, Wädenswil, a new competence centre – TEDD Tissue Engineering for Drug Development – has been founded under the leadership of Prof. Ursula Graf-Hausner. The aim is to cultivate human tissue in the laboratory so that new drugs and cosmetics can be tested in the test-tube, thereby reducing or even replacing animal testing. The new competence centre is supported by the Gebert Rüt Foundation. Partners from academia and industry will work together on specific projects.

Prof. Graf-Hausner has undertaken research on tissue engineering for the past 13 years. Tissue cultures based on living human cells are used for the development and testing of new materials. Increasingly the Pharma and Cosmetic sectors are turning to alternative methods of testing, not least because from 2013 it will not longer be permitted to test new cosmetic products on animals. Applications already in development include a 3D skin model for testing the effects of phytochemicals, and investigation of freezing techniques so that the 3D tissues can be stored and transported.

The TEDD network aims to bring together partners from academia and industry to enable specialists from all areas to work together. Sixteen partners from the Pharma-, Medical- and Cosmetic industries came together in a Kick-off Workshop in Wädenswil on June 21, 2011. The initial partners for the competence centre are ZHAW and InSphero AG, who produce ready-to-use 3D organ-specific microtissues.

The competence centre was enabled by the Gebert Rüt Foundation through the BREF – Brückenschläge mit Erfolg – program. In 2010 Prof. Graf-Hausner's TEDD project was one of five successful candidates from 56 applicants resulting in a grant of CHF 300,000.

Les vies de Marie Curie – une femme dans l'histoire de la chimie

Une bande dessinée vient d'être publiée lors de l'Année internationale de la chimie 2011. Instructive et amusante, elle est destinée aux jeunes et aux moins jeunes intéressés à l'histoire de la science.

En 40 pages couleurs, Marie Curie joue les protagonistes, à travers 6 grandes étapes de l'histoire de la chimie, de découvertes qui ont changé le monde et rencontre des femmes, célèbres ou anonymes, qui ont lutté pour obtenir le droit d'apprendre.

Le livre peut être commandé directement chez l'artiste, Fiami: http://www.fiami.ch/MC/MC_F/MC_F_home1.html

CONFERENCES/WORKSHOPS/SYMPOSIA

BioTech 2011

1./2. September 2011, an der ZHAW in Wädenswil
Das Schwerpunktthema ist die Inline-Analytik und Sensortechnik in Bioprozessen.

Neben neuen Technologien zur Messung der 'klassischen' Parameter pH und Sauerstoff soll das Thema Einweg-Bioreaktoren (auch hier mit Fokus auf die Analytik) sowie die Implementierung der PAT-Initiative zur Sprache kommen. Mit Referaten von namhaften Fachpersonen aus Universitäten und aus der Industrie wird die Tagung auch dieses Jahr einen Beitrag zum Austausch zwischen Experten aus dem akademischen und industriellen Umfeld leisten.

Information: birgit.camenisch@zhaw.ch; www.lsfm.zhaw.ch

Two Workshops on HARD X-RAY INSTRUMENTATION AT THE SWISSFEL / University of Bern, Switzerland

The SwissFEL team of the Paul Scherrer Institute invites you to attend two workshops on hard X-ray instrumentation at the SwissFEL X-ray Free Electron Laser facility. The workshops will assist in the planning of the ARAMIS beamlines and experimental stations.

Workshop 1: September 12, 2011: Spectroscopic experiments
Workshop 2: November 21, 2011: Scattering and diffraction experiments

Registration and details are available at the SwissFEL web page <http://www.psi.ch/swissfel/> or by contacting silvia.bacher@psi.ch.

LECTURES

Departement Chemie der Universität Basel Anorganische und Organische Chemie

Departement Chemie, Universität Basel, kleiner Hörsaal
Organische Chemie, St. Johannis-Ring 19, CH-4056 Basel

30.6.2011
Donnerstag
17.30 h
Basler Chemische Gesellschaft
Prof. Dr. *Dave Leigh*
Dept. Chemistry, University of Edinburgh,
UK
Title to be announced