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DEAR READERS, COLLEAGUES AND STUDENTS,

An evaluation of the present level of implementation and of the efficiency of our Institutional Strategy is scheduled for 2016. To this end, a survey was carried out among all members of Technische Universität Dresden (TUD) in January. The questionnaires are currently being evaluated. We are looking forward to hearing about the results, which are to be published shortly!

SUPPORT FOR RESEARCH

The 2nd Research Services Day at TU Dresden will take place on 22 February between 12:30 p.m. and 4 p.m. in the Andreas Pfitzmann Building, Nöthnitzer Str. 46. It is being held jointly by the Vice-Rector's Office for Research, the Project Scouts and Directorate 5 Research Promotion and Transfer. This year's event will open with a lecture by Prof. Manfred Curbach, "Einwerbung von Drittmitteln – Pflicht und Kür" (*Acquiring third-party funding – obligations and options*), in which he will talk about his experience with regard to funding aspects of basic and industrial research. Afterwards, the different support programmes will be presented in four subject-specific workshops. These deal with how to design a competitive proposal, how to apply for a publicly funded project, with EU funding and with patents. » [read more](#)

IDEENSTUDIO ON INNOVATIVE CELL CULTURE

TU Dresden's Project Scouts are holding an IDEENSTUDIO on the subject of financing possibilities for models in cell culture. The event will take place from 1 p.m. to 5.30 p.m. on 25 February 2016, at the Center for Regenerative Therapies (CRTD), Fetscherstrasse 105, in seminar room 1-2. Dr. Rudi Loesel (*Project Management Jülich*), will provide participants with information about the Federal Ministry of Education and Research's (BMBF) funding programme "Alternativen zum Tierversuch" (*Alternatives to Animal Experiments*). Together with other experts, he will be available to answer questions and give feedback on the ideas presented. In addition, the methodological exchange between the different research groups in the area of Life Sciences in Dresden is to be promoted. » [read more](#)

OTTP LECTURE SERIES CONCLUDES

The Open Topic Professorship lecture series will end on 3 February with a lecture by Professor of Law, Sabine Müller-Mall.



Prof. Sabine Müller-Mall (Photo: TUD)

In her lecture at 5 p.m. in the Saxon State and University Library (SLUB), she will be talking about juridical judging between reason and emotion. It is true that democracies under the rule of law demand of their courts that they judge independently when applying laws.

However, psychological studies, philosophical reflections and analyses based on legal theory suggest the formation of juridical judgments is a process only inadequately described by the concept of applying laws. Instead, the judging process is based on a complex interplay of reason and emotion. » [read more](#)

PREMIÈRE FOR SCHOOLS' PROMOTIONAL VIDEOS

Two new promotional videos for the Schools were presented at the TUD's New Year's reception at the beginning of January. The films about the School of Medicine (» [to review](#)) and the School of Science (» [to review](#)) were produced by the Dresden firm Biermann-Jung Kommunikation. The film about the School of Humanities and Social Sciences is expected to be the next one to be completed.

RISK AS PRODUCTIVE FIELD OF LEARNING

On 11 April, the Centre for Interdisciplinary Learning (ZILL) will start two lectures about "Risks of Environment and Food" and "Risks of Economy and Security". They are part of the module "Risk", which began with interdisciplinary lectures in winter semester 2015/16 (responsible for the module: Prof. Marina Münkler). ZILL co-ordinates interdisciplinary and research-oriented teaching and learning projects. In the modules on research and learning in an interdisciplinary context (or "FLiK-Module" for short), transversal topics are taken up which deal with complex social phenomena and questions relating to the future that cannot be understood in their entirety using a monodisciplinary approach. In the FLiK-Module "Risk", students and teaching staff from four faculties jointly research the connections between risk perception, risk communication and risk management. » [read more](#)

INTERNATIONAL JOURNALISTS VISIT TUD

On 10 March, a group of international journalists who have been invited by the German Academic Exchange Service (DAAD) will be visiting TUD. The programme for the twenty-strong group from Europe, America and Asia will include a talk with the Rector on the subjects of the Excellence status, DRESDEN-concept and internationality, as well as a tour of the 5G Lab Germany. » [read more](#)

US-RESEARCHER AT "VISION TALK"

The serie "Dresden International PhD Programm (DIPP) Vision Talks", successfully running since 2010/11, will welcome Prof. Gerald H. Pollack of University of Washington, USA, on 1 February. His lecture about "The Fourth Phase of Water- Beyond Solid, Liquid and Vapor" will take place at 4 pm in the main hall of Max Planck Institute for Molecular Cell Biology and Genetics. During the Vision Talks, the group leaders, participating at DIPP, have the opportunity to present results and visions in their field of research. The doctoral students, organizing the event, can invite one or two external speakers per year.

[» read more](#)

STEM CELL RESEARCH SYMPOSIUM

An international symposium on "Stem Cell Models of Neural Regeneration and Disease" will be taking place at the DFG-Research Center for Regenerative Therapies (CRTD) – Cluster of Excellence at TU Dresden from 1 to 3 February. The symposium has been jointly organised by the CRTD and the International Society for Stem Cell Research (ISSCR).

A varied programme awaits the more than 300 participants, with internationally renowned speakers such as Jürgen Knoblich (IMBA Wien) and Sally Temple (NSCI, New York), break-out sessions, poster presentations, industry exhibition and cultural entertainment in the evening. The symposium includes contributions on 3D organoids, modelling disorders, modelling regeneration and "Road to the Clinic". [» read more](#)

ERC STARTING GRANTS FOR EXCELLENT SCIENTISTS

Three scientists from TU Dresden have succeeded to raise Starting Grants of the European Research Council (ERC) in 2015. With coveted Starting Grants of the EU, young, promising scientists who have the proven potential of becoming independent research leaders, are supported. The biotechnologist Dr. Volker Busskamp (CRTD TUD), biologist Dr. Jörg Mansfeld (Biotec TUD) and physicist Prof. Sebastian Reineke (IAPP TUD) will be awarded with 1,5 million EUR each.



Volker Busskamp (Photo: CRTD)

Dr. Volker Busskamp, research group leader at the DFG Research Center for Regenerative Therapies Dresden (CRTD) - Cluster of Excellence at the TU Dresden, was awarded to support his research on controlled adult stem cell differentiation to neurons. [» read more](#)



Sebastian Reineke (Photo: cfaed)

Assistant Professor Sebastian Reineke from the Institut für Angewandte Photophysik (IAPP) of TU Dresden was awarded to support his project "BILUM - Novel applications based on organic bioluminescence". The physicist is involved in the Center for Advancing Electronics Dresden (cfaed) and is doing research at the Institute for Applied Photophysics (IAPP). [» read more](#)



Jörg Mansfeld (Photo: Holthaus)

Dr. Jörg Mansfeld, Emmy Noether Group Leader at the Biotechnology Center of TU Dresden, was awarded to support his research on cell cycle and redox regulation. The 38-year-old biologist is also Young Investigator of TUD. » [read more](#)

CFAED RECEIVES CARL-ZEISS RESEARCH AWARD



Robert Brückner (Photo: cfaed)

cfaed researcher Dr. Robert Brückner received the Carl Zeiss Research Award for Young Researchers, awarded by Ernst-Abbe-Fonds, as one of the first three laureates. The newly established prize of 7,000 EUR each is given to promising young scientists in the area of optics and photonics. The 30-year-old scientist contributes to cfaed's Organic / Polymer Research Path and is working at TU Dresden's Institute for Applied Photophysics (IAPP). His paper about a new idea for the production of organic solid-state laser was published in "Nature Photonics". » [read more](#)

PRINTED SOLAR CELLS AND LEDS AT CFAED

On 31 March, the "Absol(e)vent" series of events organised by TU Dresden's alumni network, will be stopping off at the cfaed Chair of Organic Devices. Flexible synthetic materials are used here to produce functional electronic components and circuits.

The most varied electronic components – transistors, light-emitting diodes or solar cells – can be produced using biological materials such as the colouring from blueberries. In contrast to silicon, these materials are suitable for flexible circuits on plastic films or thin glass substrates. Electronics can be printed with this method, allowing silicon-based technology to be circumvented. » [read more](#)

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