

EXCELLENCE NEWSLETTER

27 February 2018

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CLUSTERS OF EXCELLENCE

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Dear Readers,

We made it: our six **proposals for Clusters of Excellence** and the **Letter of Intent** in the "University of Excellence" funding line **have been submitted**. Now it is time to take a quick breath and gather our strength for the next milestones on the way to excellence – the forthcoming expert review sessions – before the decision on funding for the Clusters of Excellence is announced on 27 September 2018.



In addition, the series of **Future Labs** is set to continue. These are open to all employees and students of TU Dresden and the DRESDEN-concept partners.

Those who like to act spontaneously can still **register** up to 2 March for the **next Future Lab "Fundamentals or Application?"**, which will take place between 9 am and 1 pm on Thursday, 8 March in the Dörfelstraße ballroom. The focus will be on the question of what is necessary to make basic and applied research successful – all the way from project idea to (knowledge) transfer.

The third Future Lab "**Digital or Analogue?**" on 22 March 2018 will consider the **potentials of digitalisation**. Subjects of discussion will include the way in which digitalisation can create freedom in teaching and new topics in research. **Registration deadline is 16 March 2018.**

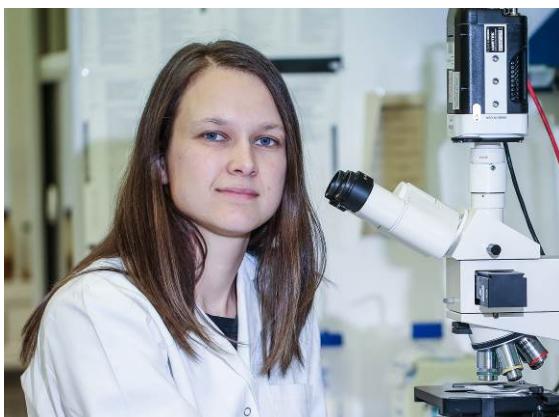
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Impressions from the first Future Lab in January are provided in a short **video**, which is available online (access with ZIH login; video is in German).

Dr. Veronika Magdanz Investigates Sperm-Driven Micro-Robots

Within the scope of her **Open Topic Postdoc Position**, Dr. Veronika Magdanz is investigating the **potential of sperm as powerful carriers**. In the long term, spermatozoa could be converted into "micro-motors" for use as diagnostic or therapeutic aids, e.g. in reproductive medicine or cancer therapy.



Dr. Veronika Magdanz (Photo: Thomas Thürpe)

The **Open Topic Postdoc Positions** provide advanced postdoctoral researchers with the opportunity to pursue their own research projects, regardless of their specialisation. Dr. Magdanz is one of 17 international junior scientists who are conducting research at TU Dresden as part of the **Institutional Strategy** initiative.

New DRESDEN Fellow: Prof. Yulia Griber

The first **DRESDEN Fellow** in 2018 is Russian scientist Prof. Yulia Griber, who has been a guest at the Chair of Spatial Design at the Faculty of Architecture since 12 February. She is Professor of Cultural Management at Smolensk State University and Director of

the Color Lab, which deals with the role of colour from a sociological and urban perspective.



Prof. Dr. Yulia Griber (Photo: Alexander Nizovtsev)

Immediately after her arrival, Prof. Griber took up her work in the "Intensivwochen Farbe", a colour theory programme unique in Europe, which is held at TU Dresden until 2 March. She will also contribute her expertise to research projects such as the 12th "Dresdner Farbenforum 2019" involving a joint exhibition in the Albertinum.

Three Visiting Professors Selected for "MEHRWERT" Project

The pilot project "**MEHRWERT durch mehr Perspektiven**" (*Added Value through Added Prospects*) has reached a further milestone with the filling of three visiting professorship positions.

In the spring of 2018, **Dr. Geeske Scholz** will start at the School of Civil and Environmental Engineering. She studied Applied Systems Science and now works at the Institute for Environmental Systems Research at the Universität Osnabrück. Her major research interests are diversity, social action and agent-based modelling.

At the School of Engineering Sciences, **Dr. Waltraud Ernst** from the Johannes Kepler University Linz will tackle, among other

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things, the gender-appropriate development of human-machine interfaces.

Dr. Martina Erlemann from the Freie Universität Berlin is designated to work at the School of Science. A sociologist and physicist, she will bring her research priority on gender studies in the natural and technical sciences to TU Dresden.

The project "[MEHRWERT durch mehr Perspektiven](#)" integrates gender and diversity aspects in STEM research with the aim of highlighting new initiatives and methodological possibilities on an interdisciplinary level.

The kick-off event for the project will take place on **27 April 2018** in the Dölferstraße ballroom.

Register Now for Sprint English Courses in Summer Semester 2018

There is still time **until 4 March** to register for the new Sprint English courses in the 2018 summer semester.

The [Sprint programme](#) has been running since 2014, and offers English courses as well as intercultural seminars for technical and administrative staff.

New Funding Formats for International Projects

With effect from the end of 2017, internationalisation measures can be supported by new [funding formats](#):

The [Strategic Fund for Internationalisation \(access with ZIH login\)](#) provides initial funding for projects with the international universities King's College London and TU Delft, as well as with the science regions of Wrocław and Prague.

The [second fund supports flexible internationalisation projects \(access with ZIH login\)](#).

To date, 21 applications have been submitted. Of these, twelve projects have been con-

firmed for funding, amounting to almost EUR 110,000 in total.

The next application deadline for the Strategic and Flexible Funds is **25 March 2018**.

The [Special Programme Shiraz University \(access with ZIH login\)](#) provides mobility resources for scientific exchange. Three trips to Shiraz have already been funded. Applications can be submitted at any time.

New GA Series of Events on Career Prospects after Your PhD

As part of its new series of events [PPhinshD – Career prospects after your PhD](#), the Graduate Academy (GA) will present attractive career paths for doctoral candidates and post-docs of TU Dresden after their doctorate.

The **kick-off event on 12 April 2018** will be devoted to the professorship at a university of applied sciences (German: HAW). Application-oriented research, university management and practice-oriented teaching are among the responsibilities at a HAW, which as such offers particularly interesting prospects.

Three TUD Members Win DRESDEN EXCELLENCE AWARD

On 10 February, the [new science prize of the City of Dresden](#) – the DRESDEN EXCELLENCE AWARD – was presented to, among others, [three members of TU Dresden](#):

Hanna Zinner for her bachelor thesis at the School of International Studies, **Dr. Tim Erdmann** for his [PhD thesis at the Center for Advancing Electronics Dresden](#), and **Dr. Robert Böhm** for his [habilitation thesis at the Institute of Lightweight Engineering and Polymer Technology](#).

The prize, which is worth a total of EUR 30,000, is awarded annually.

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Second cfaed Career Symposium

After the great success of 2017, the [Center for Advancing Electronics Dresden \(cfaed\)](#) is organising a **career day for junior scientists** this year, too. The [Career Symposium on 10 April 2018](#) welcomes students, doctoral candidates, postdocs and others, preferably from the STEM areas.

What are the ingredients for a successful career? Industry or academia? How do I network successfully? These and many other questions will be answered first-hand by insiders. Guests will include Dr. Tim Erdmann, [recent prize winner of the DRESDEN EXCELLENCE AWARD](#) and cfaed graduate. He is now working for IBM Research in the USA and will speak at the symposium on "Careers in Multinational Cooperations". Also on offer: current vacancies on the job exchange, checks of application documents by HR experts, and on-the-spot job interviews.

The symposium will take place from 8.30 am at Hotel INNSIDE by Meliã Dresden (Salzgasse 4). The [early bird registration phase](#) runs until 10 March 2018.

European-wide Type 1 Diabetes Prevention Study Launched

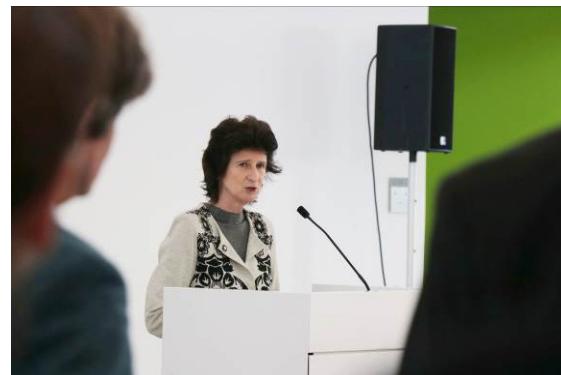
A little more than a year ago, the [Freder1k-Study](#) on the **early detection of the risk of type 1 diabetes in newborns** was started in Saxony and was met with a great national and international response. The study is conducted in part by the [Center for Regenerative Therapies Dresden \(CRTD\)](#) and its Director Prof. Ezio Bonifazio heading the study in Saxony.

Building on this, the European-wide [prevention study POInT \(Primary Oral Insulin Trial\)](#), which aims to prevent the development of type 1 diabetes in children with an increased genetic risk, was launched on 29 January 2018. This study is run by the Klinisches Studienzentrum Pädiatrie, which was

opened at the end of January 2018 at the children's clinic of the Carl Gustav Carus University Hospital.

SMWK New Year's Reception at CRTD

Dr. Eva-Maria Stange, Saxon State Minister for Higher Education, Research and the Arts, gave a New Year's reception for **representatives from science, academia and culture**. This event, which was held for the first time, took place in the foyer of the [Center for Regenerative Therapies Dresden \(CRTD\)](#) on 2 February 2018.



Dr. Eva-Maria Stange (Photo: SMWK)

TUD Rector Prof. Müller-Steinhagen opened the reception, followed by speeches from CRTD/DZNE Research Group Leader Prof. Gerd Kempermann and State Minister Dr. Stange.

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