

EXCELLENCE NEWSLETTER

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Dear Readers,

The first decisions have been made regarding the [Excellence Strategy of the German Federal and State Governments](#). On 27 and 28 September, the committee of international experts at the [German Research Foundation \(DFG\)](#) in Bonn discussed the draft proposals submitted in the Cluster of Excellence funding line, and chose which of the 195 projects will be invited to submit their application for the final round of the competition. Today, the results were communicated: [TU Dresden \(TUD\)](#), which submitted eight draft proposals for Clusters of Excellence, was successful with six proposals. Applications for these projects must be submitted to the DFG by 21 February 2018.

In one year from now, on 27 September 2018, the Excellence Committee will reach a final decision on the funding of Clusters of Excellence. With at least two Clusters of Excellence, TUD can apply for the funding line "Exzellenzuniversität" (*University of Excellence*, successor of the "Institutional Strategy"). This application must be made by 10 December 2018.

DRESDEN-concept Science Exhibition now in Poland

With numerous visitors, the [DRESDEN-concept \(DDc\) alliance's science exhibition](#) was opened in the Polish city of Wrocław on 22 September and will now provide information on Dresden's science landscape for three weeks. At a meeting, the rectors of TUD and Wrocław's five universities agreed upon an enlargement of the research cooperation. A first step in this direction is a joint seminar series of scientists from Dresden and Wrocław, which started on 27 September.

The next stop for DDc's science exhibition will be Prague in April 2018.



DDc's science exhibition at a central location in Wrocław, Poland. (Photo: Maciej Borkowicz)

Kick-off Event "Innovations in Medical Technology" on 23 October

DRESDEN-concept starts its next "Scientific Area Network" (SAN) on 23 October. "Innovations in Medical Technology" are the topic of the conference from 5 to 8 p.m. in the Hans-Nadler Hall at the Dresden State Art Collections (Taschenberg 2). The SAN "Innovations in Medical Technology" focuses in particular on new (minimally invasive) surgical procedures and therapies, the use of novel materials in (intelligent) implants and instruments, as well as engineering contributions to medical research. Within the scope of the kick-off event, DRESDEN-concept would like to provide an overview of current research results and, subsequently, build up an interdisciplinary research network in Dresden.

If you wish to participate, [please register until 20 October](#).

SprInt Programme Information Session

An information session for newcomers on the [SprInt Programme](#), the continuing education opportunity for non-academic staff at TUD to acquire language skills and intercultural competences, will take place at 1:30 p.m. on 18 October, at the Graduate Academy, Mommstraße 7. The SprInt Programme comprises free language courses, intercultural seminars and funded stays abroad.

"Green Seminar Room" to be Inaugurated on 25 October

TU Dresden is to receive a "Green Seminar Room". On 25 October, at 12 noon, the new green space next to the University building at Weberplatz will be inaugurated by the Rector Prof. Hans Müller-Steinhagen and the Dean of the Faculty of Education, Prof. Friedrich Funke. The design of this open-air space, unique in Germany, is intended to inspire students to create new teaching and learning concepts for schools. The "Green Seminar Room" will be available for teaching and other events. It can accommodate about 30 people and is equipped with weatherproof outdoor systems and a projection screen.

The project is the brainchild of student Anne Noack from the Vocational Education Faculty Students' Council, and has been implemented under the auspices of Directorate 4 (Property Management, Technology and Security). The costs of around 40,000 euros have been met by the "quix" initiative, which, along with the Excellence Initiative, is intended to improve conditions for studying. All "quix" projects, which together amount to more than 250,000 euros, are based on ideas that come from students.

Research Services Day on 26 October

TUD will host the "Third Research Services Day" from 12.30 p.m. to 4 p.m. on 26 October at the banquet hall, Dülferstraße. The Directorate Research will present about the support available to TUD scientists for submitting applications, patenting and spin-off companies. An interactive podium and an ensuing "Info Market" will provide further opportunities to ask questions. Please [register](#) by 12 October.

European Summer School in Financial Mathematics

From 28 August to 1 September, 71 doctoral candidates and junior researchers from the field of financial mathematics met at TU Dresden for the "10th European Summer School in Financial Mathematics". The Summer School, which was organised by [Open Topic Professor](#) Martin Keller-Ressel concentrated on scale-

transcending modelling of volatility and the mathematical description of financial markets with transaction costs. In addition to four mini-courses and 15 short talks from the participants, the cultural programme of the Summer School provided the opportunity to enjoy the last rays of summer sunshine on a steamboat trip on the Elbe.

Prize to be Awarded for Supervision of Doctoral Candidates

The Graduate Academy (GA) would like to honour excellence in the supervision of doctoral students. Doctoral candidates and post-docs can nominate their supervisor for the [GA Supervisor Award 2017](#) up to 15 October. The winner will receive prize money amounting to 5,000 euros.

New Doctorate Brochure Published

Doing a doctorate raises many questions: How can I find a suitable supervisor? How do I finance my life as a doctoral candidate? Where do I go for help and services at TUD? The Graduate Academy has compiled a list of answers to these and other questions in its new guide, "[Doing a Doctorate at TU Dresden](#)".

Second Graduate Academy Writing Retreat was a Success

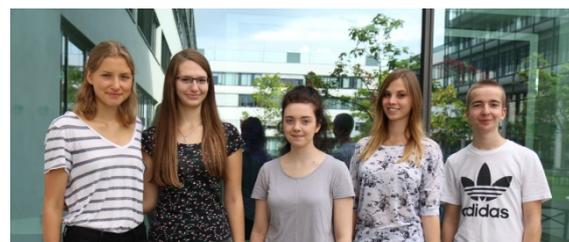
From 10 to 15 September, twenty doctoral candidates and postdocs took part in the second [Graduate Academy Writing Retreat](#) in the St. Marienthal monastery, concentrating for a week without distractions on working on their dissertations or other writing projects. If the flow of writing did slow down, the GA's trained writing coaches were available for consultation. At this Writing Retreat, for the first time, the GA also offered individual coaching, which was hugely popular among the participants.

"Science Café" held at UNU-FLORES on Fifth Anniversary

The United Nations University has been based at the Dresden World Trade Center for five years now, making Dresden one of the few UN locations in Germany. On 24 October, [United Nations Day](#), the Dresden branch of the United Nations University, the [Institute for Integrated Management of Material Fluxes and of Resources \(UNU-FLORES\)](#), is inviting anyone who would like to attend a "Science Café" from 12 noon to 4 p.m. Numerous international visiting scientists from TU Dresden and their families are also expected to attend the anniversary. In the evening, a celebratory ceremony will take place in the New City Hall. Keynote speaker will be Angela Siegmund, Officer of the UN Refugee Agency (UNHCR) in Berlin.

Next Round of Voluntary Social Year (FSJ) at CRTD

After a successful first round involving three participants in 2016-17, five young people are now taking part in the second round of the [CRTD's voluntary social year \(FSJ\)](#). The [Center for Regenerative Therapies Dresden \(CRTD\)](#) is one of only three research institutions in Germany to offer a voluntary year in a scientific context. During their voluntary social year at CRTD, the five participants will gain insights into everyday life in the laboratory; they will get to know the daily routines and tasks of the scientists and lab technicians. The voluntary social year at CRTD is organised in collaboration with the German Red Cross (DRK). The third round is due to begin in September 2018.



The new FSJ participants at CRTD are between 17 and 20 years old (from l. to r.): June Möller, Julia Ebert, Katja Rositzka, Sandra Stein and Cornelius Liepelt. (Photo: CRTD)

Open Door for the "Maus" at CMCB

For the very first time, on 3 October, the **Center for Molecular and Cellular Bioengineering (CMCB)** will take part in the nationwide "Türöffner-Tag" organised by WDR's "Sendung für die Maus". From 9 a.m. to 1 p.m., the CMCB institutions CRTD, BIOTEC and B-CUBE, together with the Paul Langerhans Institute Dresden, will be presenting lectures, information stalls, small experiments and information on animal models for children between 5 and 10 years of age. [Please register via e-mail at the CRTD.](#)

Biology Teachers visit CRTD

On 25 August, a delegation of almost twenty biology teachers from all over Saxony visited the **Center for Regenerative Therapies Dresden (CRTD)** to find out about stem cell research and stem cell therapy. The backdrop to the visit is the reintroduction of the advanced course in Biology at grammar schools in Saxony. Stem cell research is an important component of the curriculum for this course. The visit was organised by the Saxon Ministry of Education and Cultural Affairs as a training session in the area of stem cells and regenerative therapies.

Nanoscience Lecture at cfaed

Prof. Christian Joachim from Toulouse (France) will be giving a lecture on "**Constructing Single Molecule-Machinery?**" at 11.30 a.m. on 20 October in the framework of the Seminar Series organised by the **Center for Advancing Electronic Dresden (cfaed)**. Prof. Joachim is the head of the nanoscience group at the Center for Materials Elaboration and Structural Studies (CEMES) in Toulouse, and from October onwards, will be a welcome addition to the team of [Grand Professors at the cfaed](#).

"**Single Molecule Machines**" will also be the focus of a new research group at the cfaed. The group will start in October and will be headed by Dr Francesca Moresco.



Prof. Christian Joachim from Toulouse visits the cfaed. (Photo: cfaed)

Prof. Timme holds Inaugural Lecture

At the cfaed, a **fifth strategic chair with the focus on "Network Dynamics"** has been installed. **Prof. Marc Timme** who worked before at the Max Planck Institute for Dynamics and Selforganization in Göttingen, will hold his inaugural lecture on 24 October at the cfaed.



New cfaed Professor Marc Timme. (Photo: cfaed)

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