

## INSTITUTIONAL STRATEGY

- \_Iran Week with Intercultural Workshops and Information on Funding
- \_Science Cruise on Elbe River Boat with DRESDEN-concept
- \_Selection Round for OTPP Positions
- \_Disruption as Stylistic Device in Music and Literature
- \_Master's Thesis at Open Topic Chair Awarded Distinction
- \_Marwa El-Sherbini Scholarship is Announced
- \_Nobel Laureate spoke at the Topping-Out Ceremony of "Felsenkeller" Lab
- \_50 Participants from 23 Countries at TUD Staff Week
- \_Summer Reception for Visiting Researchers from Around the World
- \_Pizza Lunch for Women with Trefftz Professor Monica Dunford
- \_Record Attendance at CRTD during Long Night of the Sciences

## CLUSTERS OF EXCELLENCE

- \_Professor Michael Sieweke Awarded Humboldt Professorship
- \_CRTD Receives Funding Worth Millions for CLEANSIGHT Research Project
- \_Order of Merit of Free State of Saxony for Professor Brigitte Voit
- \_cfaed's Career Symposium Video Clip is Released
- \_Summer of Conferences at cfaed

**Dear Readers,**

The preparations for the proposal submission for the [Excellence Strategy](#) are in full swing. Since 3 July, a university-wide brainstorming session has been underway in the run-up to submitting the letter of intent for the application as [University of Excellence](#). For TU Dresden members the questionnaire is available on the [ExStra website](#), using their regular ZIH login data.

**Iran Week with Intercultural Workshops and Information on Funding**

The Project Scouts, assisted by their colleagues from Internationalisation, have organised [Iran Week 2017](#), which is being held from 10 to 14 July. The aim of the event is to support the initiation of German-Iranian cooperation. Workshops on intercultural skills and comprehensive information on funding opportunities will provide a good basis for joint applications and collaborations. The programme includes an intercultural seminar entitled "Success in Iran", German-Iranian workshops at TU Dresden (Bridging Science), an "Ideenstudio" on funding for scientific collaboration with Iran, and a symposium on renewable energies. Among the participants are reputable scientists from the strategic partner universities of Shiraz and Tehran as well as from the Universities of Kerman and Amirkabir and the Petroleum University of Technology.

**Science Cruise on Elbe River Boat with DRESDEN-concept**

On 17 August, [DRESDEN-concept](#) is inviting researchers to take part in a [science cruise](#) on the Elbe riverboat "MS August der Starke". The boat leaves at 6 p.m. and will go from Dresden to Pillnitz and back. Dr. Eva-Maria Stange, the Saxon Minister of Science, will give a presentation. The ticket price for the trip is ten euro, which includes food. Drinks can be bought on board. The band enVivo will take care of the musical entertainment with Spanish and English rock and pop songs.

## Selection Round for OTP Positions

From 30 May to 2 June, more than 50 junior scientists took part in a multi-day selection round for the newly announced [Open Topic Postdoc Positions \(OTPP\)](#). About 20 postdocs will be given a position lasting one to two years, regardless of their area of expertise, to allow them to prepare and submit an independent application for third party funding (leading a junior research group, etc.) as well as to examine further career opportunities at TU Dresden and DRESDEN-concept partner institutions. The procedure is intended to facilitate the recruitment of women scientists in particular. Almost 470 applications from 72 countries were received in total, including 30 per cent from female applicants. The positions will be filled as of 1 November.

## Disruption as Stylistic Device in Music and Literature

On 11 July, the ERC research group [The Principle of Disruption](#) led by [OTTP Professor](#) Lars Koch will present a new cycle of the [lecture series Figuren der Störung](#) (figures of disruption). Prof. Sabine Sanio of the Universität der Künste, Berlin, will give a talk on *Störung des Ausdrucks oder Reflexion der Wahrnehmung?* (Disruption of expression or reflection on perception?) in music and literature at the Institute of German Studies, 48 Wiener Straße. The talk starts at 7 p.m.

## Master's Thesis Awarded Distinction at Open Topic Chair

On 15 June, the mathematician Tom Spiegler, who is a member of staff at the [Open Topic Chair "Stochastic Analysis and Financial Mathematics"](#), received the N.J. Lehmann Prize for his master's thesis "Principal Component Pursuits Applied to Financial Data". The prize, which is named after the Saxon computer pioneer Nikolaus J. Lehmann and is endowed with 2,000 euro, is awarded every two years for a thesis on the subjects of computer analysis and the mathematical fundamentals of computer science. In his Master's thesis, Tom Spiegler developed an innovative method for the efficient analysis of high-dimensional data.

In addition to the theoretical foundations, it was possible to gain new insights into the network structure of the European financial markets.

## Marwa El-Sherbini Scholarship is Announced

For the third time now, the Free State of Saxony, the state capital of Dresden and the research alliance DRESDEN-concept have announced they will be awarding the [Marwa El-Sherbini Scholarship](#). Those who are interested can apply until 31 July. The scholarship sends a clear signal for openness, tolerance and social diversity. Students on a Master's study programme at a Dresden institution of higher education will receive funding for a period of up to two years.

## Nobel Laureate spoke at the Topping-Out Ceremony of "Felsenkeller" Lab

On 28 June, in the Dresden Felsenkeller the topping-out ceremony for the joint [accelerator laboratory of TU Dresden and Helmholtz-Zentrum Dresden-Rossendorf \(HZDR\)](#) was celebrated. In the underground experimental facility, physicists plan to reconstruct the processes inside stars. Keynote speaker was the Nobel laureate Professor Arthur McDonald, who – in 2015 – received the Nobel Prize in Physics for his discovery of neutrino oscillations. The project is an example for the collaboration of Dresden's science institutions inside the association DRESDEN-concept and is granted by the programme "Support the Best" of the Institutional Strategy.

## 50 Participants from 23 Countries at TUD Staff Week

The ["International Staff Training Week"](#) took place at TU Dresden from 12 to 16 June. Fifty non-academic staff from international universities in 23 different countries came together to attend the event, which has now been held for the third time. They spent a week of intensive professional exchange in their expert groups: International Office, Career Service, DRESDEN-concept Welcome Service, Staff Unit Diversity Management, as well as Euro-

pean Project Center, Unit Transfer Office and Project Scouts. During the five-day programme, participants not only had the opportunity to network, but also found out about projects of the Excellence Initiative, the DRESDEN-concept partner Max Planck Institute of Molecular Cell Biology and Genetics, as well as the Cluster of Excellence Center for Regenerative Therapies Dresden (CRTD). Guided tours through the Dresden Neustadt district and exhibitions of Dresden's state art collections provided a cultural aspect to round off the week. The International Staff Training Week is part of the Institutional Strategy's Internationalisation Programme, and ties in with activities related to the [Sprint Programme](#).

### Summer Reception for Visiting Researchers from Around the World

Rector Prof. Hans Müller-Steinhagen invited [DRESDEN Fellows](#) and [Eleonore Trefftz Visiting Women Professors](#) to the ALTANA Gallery for a summer lunch on 29 June. Fifteen visiting researchers attended the meeting and gave insights into their current research topics. Afterwards, the guests were given a tour of the multi-modal measurement laboratory at the TUD Chair of Audio and Haptic Engineering. To date, over a hundred DRESDEN Fellows have been invited to TU Dresden. The majority of the fellowship holders are from Europe, North America and Asia, with other countries of origin being Russia, Argentina, Iran, Syria, Egypt, Sudan and Kenya.

In total, 21 Trefftz professors have been hosted by TU Dresden since 2013, with nine of them coming from Germany, three from the USA and two from Italy. Other countries of origin are the Netherlands, Denmark, Serbia, Kenya, India, China and Singapore. The visiting professors each spent one to two semesters at the TUD, and two of them have already been appointed as regular TUD professors.

### Pizza Lunch for Women with Trefftz Professor Monica Dunford

At the well-attended "Pizza Lunch for Women" on 14 June, [Trefftz Professor Monica Dunford](#) gave advice to young women scientists, em-

phasising, among other things, the importance of personal networks. The American physicist is a guest at TU Dresden for the summer semester. Guest speaker Dr Bettina Jakob (VacuTec Meßtechnik) shed light on the career paths available for women researchers in industry.

### Record Attendance at CRTD during Long Night of the Sciences

On 16 June, more than 2700 Dresden residents with a thirst for knowledge visited the [DFG Research Center for Regenerative Therapies Dresden - Cluster of Excellence at the TU Dresden \(CRTD\)](#) to find out about current research being done at the CRTD, BIOTEC, B CUBE and others partners. In addition to information booths, the [programme](#) also included hands-on activities, lectures and a science slam, which was extremely popular. The aforementioned partners will again be preparing a rich and varied programme for the 16<sup>th</sup> Dresden Long Night of Sciences on 15 June 2018.

### Professor Michael Sieweke is awarded Humboldt Professorship

The selection committee of the Alexander von Humboldt Foundation has awarded [Professor Michael Sieweke](#) a Humboldt Professorship. The cell biologist is "Directeur de Recherche" at the Centre National de la Recherche (CNRS) in Paris, and group leader at the Centre d'Immunologie de Marseille-Luminy in France. He has already entered into negotiations with TU Dresden. In future, Prof. Sieweke intends to advance research in the area of tissue generation at the CRTD. His field of research is the mechanisms of blood formation.



Prof. Michael Sieweke. Photo: Jean-Marie Huron

## CRTD Receives Funding Worth Millions for CLEANSIGHT

The research groups headed by Prof. Dr. Elly Tanaka, Prof. Dr. Marius Ader and Dr. Mike Karl at the CRTD have received funding of 1.56 million euro for their research project **CLEANSIGHT** under the German Federal Ministry of Education and Research (BMBF) funding programme "Validation of the technological and societal innovation potential of scientific research - VIP +". The CLEANSIGHT project is aimed at developing procedures for the rapid and efficient identification of active substances for use against retinal diseases.

## Order of Merit of the Free State of Saxony for Professor Brigitte Voit

At the end of May, **Prof. Brigitte Voit**, the scientific director of the Leibniz Institute for Polymer Research Dresden (IPF), received the Order of Merit of the Free State of Saxony from the State Premier Stanislaw Tillich. Prof. Voit is a Principal Investigator at the Cluster of Excellence Center for Advancing Electronics Dresden (cfaed) and Deputy Head of the Research Division "Chemical Information Processing" as well as the co-founder of DRESDEN-concept.



Prof. Brigitte Voit has been awarded the Order of Merit of the Free State of Saxony. Photo: cfaed

## cfaed's Career Symposium Video Clip is Released

In May, the first **cfaed Career Symposium** took place, and – under the heading "Spice up your career!" – presented the ingredients for and

paths towards a successful scientific career. The event was directed not only at cfaed members, but also at all junior researchers in STEM fields. It was held in English and included interactive bonding sessions, inspiring career talks and job interviews with company representatives. There were also opportunities to have photos taken for professional job applications and to have application documents checked. Coaching sessions on networking and leadership as well as a networking dinner made the symposium an unforgettable occasion. The atmosphere of the day has been captured in a recently completed **video trailer**.

## Summer Conferences at cfaed

The cfaed Cluster of Excellence is launching a comprehensive conference programme from the middle of August. The **Micromotors Summer School** will take place from 13 to 18 August. The organisers are the TUD Freigeist Group Physical Chemistry and the cfaed Biological Algorithms Group (Dr. Juliane Simmchen, Dr. Benjamin Friedrich). From 29 August to 2 September, the **14<sup>th</sup> European Conference on Molecular Electronics** (ECME) will be hosted at the Congress Center. The organisers include cfaed scientists Prof. Gianuario Cuniberti, Prof. Karl Leo and Prof. Xinliang Feng. At the same time, the **5<sup>th</sup> Dresden Nanoanalysis Symposium on In-situ Microscopy** will take place on 1 September at the Fraunhofer campus. The Dresden Fraunhofer Cluster Nanoanalysis (DFCNA) and the Dresden Center for Nanoanalysis (DCN), which belongs to the cfaed, are in charge of this event. Last but not least, from 4 to 5 September, the **NanoBioSensor Conference** will be taking place. This is organised by cfaed scientists Prof. Gianuario Cuniberti, Dr Larysa Baraban and Dr Bergoi Ibarlucea.

### PUBLISHING DETAILS:

*Responsible for Publishing:*  
Marlene Odenbach, Kim-Astrid Magister  
*Editing:* Birgit Holthaus

*Postal Address:* Pressestelle der TU Dresden,  
D-01062 Dresden / *Address for Visitors:*  
Nöthnitzer Straße 43, D-01187 Dresden

*Phone* +49 351 463-32398 / *Fax* +49 351 463-37165  
<http://tu-dresden.de/pressestelle@tu-dresden.de>