

BERLIN

NETWORKING EVENT GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES

January 28-29, 2016







GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES



# PROGRAM

# Day 1, THURSDAY, 28 January, 2016

Venue: Auditorium Friedrichstraße, Im Quartier 110, Friedrichstraße 180, 10117 Berlin Working language: English

13:00 h Arrival and Registration of the Participants

# 14:00 h OPENING REMARKS

Prof. Olga Garaschuk, University of Tübingen, Co-Initiator of the Networking Event

# DISCUSSION ROUNDS: "Jobs and Career Perspectives"

Moderator: Dr. Oksana Seumenicht, Max Delbrück Center for Molecular Medicine

#### 14:10 h Discussion Round I: Academic Careers

- Prof. Olga Garaschuk, Head of the Institute of Physiology II, University of Tübingen
- Prof. Yuri Kondratiev, Director, Research Center BiBoS, Bielefeld University
- **Dr. Denys Makarov**, Research Group Leader, Helmholtz-Zentrum Dresden-Rossendorf (HZDR), ERC starting grant holder (2012-2017)

#### 15:10 h Discussion Round II: Non-Academic Jobs & Careers in Industry

- Prof. Yuri Gleba, Founder and Managing Director, Nomad Bioscience GmbH
- **Dr. Olga Byegunova**, MicroStrategy Business Intelligence Consultant, MT AG, Frankfurt am Main

# 16:00 h PRESENTATION and DISCUSSION

Program "Migration for Development" (PME) / Assistance for Returning Experts through the Centrum for International Migration and Development (CIM)

Yuriy Didevych, Coordinator, Kyiv

16:30 – 17:00 h NETWORKING COFFEE BREAK

Organized by:



Deutscher Akademischer Austauschdienst German Academic Exchange Service





Alexander von Humboldt Stiftung/Foundation

GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES



# PROGRAM

# Day 1, THURSDAY, 28 January, 2016 (continued)

Venue: Auditorium Friedrichstraße, Im Quartier 110, Friedrichstraße 180, 10117 Berlin

# 17:00 – 19:00 h PUBLIC EVENT and PANEL DISCUSSION

Working languages: German and Ukrainian, with simultaneous translation

#### 17:00 h WELCOME and OPENING SPEECHES

- **Prof. Dr. Margret Wintermantel**, President, German Academic Exchange Service (DAAD)
- **Dr. h.c. Gernot Erler**, Coordinator for Intersocietal Cooperation with Russia, Central Asia and the Eastern Partnership Countries, Federal Foreign Office
- H.E. Dr. Andrij Melnyk, Ambassador of Ukraine to the Federal Republic of Germany

#### 17:30 h PANEL DISCUSSION

# "German-Ukrainian Academic Cooperation: Best Practice, Challenges and Opportunities"

Moderator:

Dr. Enno Aufderheide, Secretary General of the Alexander von Humboldt Foundation

Panelists:

- **Prof. Dr. Alexandra V. Antoniouk**, Institute of Mathematics, National Academy of Sciences of Ukraine. Humboldt Fellowship Holder (1997-1999), Humboldt Alumni Prize holder (2015)
- **Prof. Dr. Peter Funke**, Vice President of the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
- **Prof. Dr. Andriy Luzhetskyy**, Pharmaceutical Biotechnology, Saarland University. DAAD Scholarship Holder (2002-2003), ERC starting grant (2011-2016)
- **Prof. Dr. Johannes Müller**, Director of the Institute of Pre- and Protohistoric Archaeology, Kiel University

#### 18:50 h MUSICAL INTERLUDE

Melodies of peoples of Ukraine – Ukrainian, Hungarian, Jewish, Crimean Tatar, Romanian, Russian and Polish folk tunes (own arrangements for solo violin) **Marina Bondas**, Rundfunk-Sinfonieorchester Berlin

### 19:00 h NETWORKING RECEPTION

Day 1 funded by:

Auswärtiges Amt

GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES



# PROGRAM

# Day 2, FRIDAY, 29 January, 2016

Venue: **BMBF (Bundesministerium für Bildung und Forschung)**, Kapelle-Ufer 1, 10117 Berlin, Alexander v. Humboldt Conference Rooms No 1-3 (Rooms 2.10.101, 2.10.102 + 2.10.103)

# 9:00 – 10:20 h WELCOME and INFORMATION SESSIONS

- Working language: English
- 9:00 h WELCOME Frithjof A. Maennel, Deputy Director General International Cooperation, BMBF
- 9:10 h WORLD-CAFÉ WORKSHOPS: German-Ukrainian Academic Cooperation: Current Status and Relevant Funding Instruments

#### **SPEAKERS AND TOPICS** (6 tables, 4 rounds à 15 minutes):

- Table 1:Research and Education Cooperation, Advising Stakeholders in Germany's Scientific<br/>Community, Managing Research Programs for International Cooperation<br/>Dr. Thomas Reineke, Senior Scientific Officer, International Bureau, DLR
- Table 2:Research FundingDr. Christian Schaich, Director, International Affairs, DFG
- Table 3:Student Mobility and University CooperationKai Franke, Head of Scholarship Department "Eastern Europe, Central Asia and South<br/>Caucasus", DAAD
- Table 4:Mobility for ResearchersBianca Müller, Program Officer, Division Europe, Alexander von Humboldt Foundation
- Table 5:Project FundingDr. Matthias Nöllenburg, International Team, The Volkswagen Foundation
- Table 6:Cross-border Research Collaboration: a European Perspective<br/>Martin Winger, DFG & KoWi (European Liaison Office of the German Research Organi-<br/>zations)
- 10:20 10:50 h NETWORKING COFFEE BREAK

GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES



# PROGRAM

# Day 2, FRIDAY, 29 January, 2016 (continued)

Venue: **BMBF (Bundesministerium für Bildung und Forschung)**, Kapelle-Ufer 1, 10117 Berlin, Alexander v. Humboldt Conference Rooms No 1-3 (Rooms 2.10.101, 2.10.102 + 2.10.103)

# 10:50 – 13:00 h KEYNOTE SPEECHES and WORKSHOPS

#### Working language: English

- 10:50 h **KEYNOTE SPEECHES**: Current State and Undergoing Reforms in the Higher Education System and the National Academy of Sciences in Ukraine
  - **Prof. Dr. Borys Grynyov,** Director, State Fund for Fundamental Research of Ukraine
  - Prof. Dr. Nataliya Shulga, Executive Director, Ukrainian Science Club

#### 11:20 – 12:20 h WORKSHOPS

Participants will discuss suggested topics, identify main challenges and formulate suggestions. The aim is to produce a list of recommendations / white paper to the funding organizations and other stakeholders in both countries.

- Workshop 1:Academic Mobility and the Internationalization of Ukrainian UniversitiesDr. Gisela Zimmermann, Head, DAAD Information Center Kiev
- Workshop 2: Excellent Research Performance and Scientific Cooperation
  Dr. Katja Hartmann, Head of Division, Berlin Office, Alexander von Humboldt Foundation
- Workshop 3: Organization of Research Organizations and Funding Mechanisms Dr. Christian Schaich, Director, International Affairs, DFG
- 12:20 h PRESENTATION of the WORKSHOPS' OUTCOMES and of the Concept of the "UKRainian Academic International Network" (The UKRAINE Network) Dr. Oksana Seumenicht, Max Delbrück Center for Molecular Medicine and Initiator of the Networking Event
- 13:00–14:00 h NETWORKING LUNCH END OF THE EVENT

Day 2 supported by:



Bundesministerium für Bildung und Forschung

# Workshop 1: Academic Mobility and the Internationalization of Ukrainian Universities

# Dr. Gisela Zimmermann, Head of DAAD Information Center Kiev

Creating favorable conditions for academic mobility plays an important part in the internationalization of Ukrainian universities. While Ukrainian higher education legislation is increasingly addressing this issue, it is up to the universities to create an environment that is conducive to mobility. The workshop will discuss which steps Ukrainian universities need to take in order to promote student and researcher mobility (e.g. additional language training, credit transfer, and guaranteed sabbaticals). How can they attract young scientists that received their degrees abroad? In addition to the institutional question, we will discuss the career-building aspect of international mobility. What kind of support do graduates need to enter the job market either in Germany or in Ukraine after having obtained their degree at a German university? How can both sides create favorable conditions for the development of co-operations with German partners? The workshop will formulate a list of recommendations to address these issues.

# **Discussion results:**

Participants were mainly the DAAD scholarship holders on the M.A. and Ph.D. level, i.e. the representatives of the generations of young researchers.

They presently see Ukrainian universities as insufficiently internationalized to really accommodate student mobility. This does not only concern technical problems such as the transfer of credits, but also the low percentage of international students at Ukrainian universities. There was unanimous agreement among the M.A. students that "**internationalization at home**" is an essential feature for Ph.D. programs at Ukrainian universities if they want to attract returning young scientists.

Participants identified two important steps toward internationalization:

- The percentage of **course offerings in English** should be increased, both in order to prepare Ukrainian students for mobility and to attract international students. In order to educate a bilingual student body, universities should devote a larger part of the general studies curriculum to **language instruction**.
- The number of **double degree programs** at all academic levels should be increased. They could become the motor of higher education reforms.

Participants are highly motivated to contribute to those reforms. At present, they see the lack of autonomy of Ukrainian universities as an obstacle. A number of the participants are still in contact with their home institutions and their academic teachers. While they frequently perceive their (former) professors as interested in their experience abroad, they also feel that the latter lack the structural power to incorporate that experience in case they return to their home institutions. Participants advocated an **increase of university autonomy**, concomitant with a stronger involvement of university faculty in the creating of academic programs.

In respect to their own academic career in Ukraine, participants identified several problems:

- the intransparency in the **publishing process**: reasons for rejections of contributions are usually not given. A solution could be the inclusion of international advisors on the editorial board of journals.
- **Low salaries in academia**. Here the reintegration program of the GIZ met with considerable interest, as it might bridge a period which a young researcher would need before he or she can attract third party funding that includes funded positions.

In general, the young scientists want to keep their options open to work either in Ukraine or in Germany. The very much appreciated the opportunity to come into contact with the Ukrainian academic diaspora and would like to have further networking events. They also expressed an interest in the funding organizations, in particular DAAD, organizing career fairs, such as they are offered by a number of universities already. While this may not be possible as the group of scholarship holders is both geographically and thematically too diverse, **job entry advice** may well be an optional part of scholarship holder meetings.

At the same time, the scholarship holders would like to be able to scout out job opportunities in Ukraine. It was proposed to organize, together with the GIZ reintegration program and the Association of German Businesses in Kiev, a **contact fair in Kiev in September 2016**. Announced well in advanced, scholarship holders could plan their vacation in their home country accordingly.

# Workshop 2: Excellent research performance and scientific co-operations

Dr. Katja Hartmann, Head of Division, Berlin Office, Alexander von Humboldt Foundation

Innovative research methods, publications in international peer-reviewed journals, and researchers who can compete with peers internationally are important elements of a strong and excellent research landscape. Equivalent research performances of both partners are often the prerequisite for successful and long-lasting international research co-operations. The workshop will address issues related to excellent research performance. What structures are needed? What funding and funding mechanism are necessary? What structures or elements in higher education and R & D are already in place to achieve excellent research results and produce excellent researchers and which one need to see reforms? What forms of international scientific co-operations are most useful to archive excellent research results for both partners? The workshop will address some of these questions and formulate a list of recommendations to address these issues.

# **Discussion results:**

Participants of the workshop addressed a number of problems and challenges within the Ukrainian scientific system but also offered possible solutions.

One of the overarching challenges of the system is the lack of funding. Only 0.3% of the Ukrainian GDP is invested in to R&D, including the university system. Therefore, especially **research infrastructures** suffer severely. Modern equipment, laboratories, and especially libraries are poorly equipped. The difficult access to international journals and databases that grant up-to-date information make cutting-edge, competitive research very difficult.

Solution offered: The density of universities suggests that it might be possible to pool resources and buy equipment as well books and online-access to international journals together. Universities and research institutions should consider forming research-alliances in which research-co-operations and shared research infrastructures can be made available to all members of the co-operating institutions.

The second point raised in the discussion on competitive research environments in the Ukraine focused on the **foreign language training**. Participants voiced their concern that foreign language training at schools and universities did not provide students and researchers with a solid base for international co-operations and publications. The poor knowledge of English is often not sufficient for publishing in English or attending conferences.

Solutions offered: The level of foreign language training needs to be lifted. Better language education already needs to start in schools. Since a change in practice will not necessarily benefit those who are presently working on their research career, it is also suggested to provide more money for translations from Ukrainian into English. Participants also remarked on the present **peer-review system** which they often perceive as not transparent and chaotic. Decisions on acceptances or denials for publications or scientific competitions are often hard to understand and selection criteria are unclear.

Solution offered: The peer-review process needs to be reformed. More international reviewers, transparent criteria, and open discussions should be implemented in all national review processes.

Participants lamented the **low social status** science and scientists endure in Ukraine. This non-recognition translates into low salaries and poor equipment of research infrastructure. It also leads to the fact that very talented and gifted young researchers either leave the country or chose other career options. The job as researcher is generally seen as un-attractive.

Solution: Science and scientists need to be socially recognized and awarded for their work in the form of competitive salaries and more investments.

The general discussion on the question how excellent science can best be organized in Ukraine – especially in the light of the present problems mentioned above – some participants suggested the concentration of resources and talents in a few "**Centers of National Excellence**" which are well equipped and in which researchers find a competitive environment similar to western European standards. These centers shall be distributed all over the country to avoid clustering in Kiev.

# Workshop 3: Organization of Research Organizations and Funding Mechanisms

Dr. Christian Schaich, Director, International Affairs, DFG

The Ukrainian scientific system is experiencing a far-reaching reform process. As a result there should be a modern and competitive research landscape as a part of the European Research Area. Hence, there is a strong demand for a powerful and well-equipped research funding organization. What are the main characteristics of a funding organization? How can we ensure the best possible support for excellent scientists and young researchers? Research funding should embrace all research disciplines and should follow scientific quality standards. How may Ukraine be supported to become future-oriented and internationally competitive as a scientific location? What are the main principles for a science driven research funding organization? It is important to set up an unbiased science-led system of peer reviewers. What might be the next steps for reaching this aim?

#### **Discussion results:**

The participants understood the reasons for the current condition of research in the Ukraine above all in the old system of the Soviet Union: Intransparent decision making process, inadequate mechanisms to implement laws and a lack of a diversity of the research landscape are only some reasons for the desolate situation of research and development in the Ukraine

A funding organization should work with an open and transparent review process. To assure that, international experts and reviewers are needed in review boards. Many of the participants don't trust in officials and their allocation of funds. Hence it is essential to establish mechanisms to control funds.

Furthermore, it is considered to establish a variety of funding sources like industry, government and the public sector. The industrial sector has potential in funding, because of its funds and international orientation. On the other hand side the participants pointed out that at present the Ukrainian industry can't offer anything.

Above all, funding is necessary for laboratory equipment and teaching material. A program for returning Ukrainian experts is desirable. This program should offer appropriate incentives to motivate Ukrainian junior researchers to teach at universities in their home country, e.g. appropriate salaries, instrumentation.

The idea to evaluate the National Academy of Sciences of Ukraine was mentioned as a positive example for restructuring the Ukrainian landscape: With the support of the Federal Ministry of Education and Research the NAS of Ukraine took over the main evaluation methodology of the Leibniz-Gemeinschaft. For the evaluation of NASinstitutes international experts are needed. Since the Academy does not have funds for employing foreign experts, it plans to invite experts from the Ukrainian scientific diaspora.

Another point was the relationship between Ukraine and European Union. Many of the participants pointed out, that Ukraine's scientific community has to realize that science and research in the Ukraine is now part of the European Research Area. Therefore, Ukraine must improve its European and international competitiveness. For that reason,

the country should concentrate on its competitive fields in research. The Ukrainian scientific community has to analyse the Ukrainian research landscape and to reorganize it in order to meet European standards.

The workshop also discussed the draft "Law on Science and Technical Activity" and the planned funding organization "National Council of Ukraine on Science and Technology". The participants expressed their concern, that the government does not have the right instruments or mechanisms to implement the law. A lack of funds is one problem, but there is also a strong demand of good ideas and correct tools.

GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES



### OUTLINE OF THE CONCEPT OF

The "UKRainian Academic International Network" (working title: The UKRAINE Network)

#### MAIN GOALS:

- FOSTERING academic cooperation with Ukraine and providing assistance during its integration into the European Research Area
- IMPROVING knowledge about Ukraine abroad, its university and research landscape, and vice versa
- SUPPORTING professional career development of the Network's members and academics in Ukraine
- ESTABLISHING of a pool of international experts to support the systemic reforms in science and higher education system in Ukraine

#### WHO IS IT FOR?

The Network aims to unite:

- ✓ PhD-level professionals\*, who self-identify as Ukrainian\*\*, or
- ✓ foreign academics, who reside outside of Ukraine, and who are interested in collaboration and/or sharing their professional knowledge and expertise with colleagues in Ukraine.

Moreover, other researchers could get involved in the Network activities, e.g.

- ✓ Ukrainian PhD-level scientists temporarily working abroad
- ✓ Junior scholars (MSc/PhD students) from Ukraine, who study abroad
- ✓ Future Ukraine alumni i.e. foreign nationals, who currently carry out a period of study or research in Ukraine.

#### PROPOSED NETWORK STRUCTURE:

- Regional hubs: e.g. Berlin, Dresden, Munich, London, etc.
- Different types of working Groups:
  - Scientific working groups (e.g. nanotechnology, molecular biology, modelling in economics, etc.)
  - Strategic working groups (e.g. funding, science policy, career development, science outreach, entrepreneurship, visa & legal issues, peer review, etc.)
  - Alumni clubs (of Ukrainian universities & vice versa, Humboldtians, DAAD alumni, etc.)

#### SOME ANTICIPATED ACTIVITIES:

- Bilateral scientific meetings & partner matching events/summer schools, information events, e.g. "Research/ Study in Germany", "Best Practice...", etc.
- Workshops on funding opportunities, paper/grants writing, peer review, career development
- Provision of expert opinion & advice
- Regular PhD Thesis/Postdoc Contest to support young scientists
- Regional hub meetings/peer mentoring
- Café Scientifique for the diaspora community

#### CONTACT

Dr. Oksana Seumenicht: email: <u>scientists4ukraine@gmail.com</u>; LinkedIn, Xing, ResearchGate.

- \* or similar, e.g. clinical scientists, professionals in humanities or social sciences, where a PhD degree may not be an obligatory prerequisite for academic career, etc.
- \*\* e.g. born and studied in Ukraine, born to Ukrainian parents abroad, expatriate Ukrainians, etc.



# **BIOGRAPHIES of SPEAKERS and PANELISTS**

President German Academic Exchange Service (DAAD)

**Professor Dr. Margret Wintermantel** 

www.daad.de



Photo: DAAD

Margret Wintermantel is President of the German Academic Exchange Service since January 2012. Previously she was President of the German Rectors' Conference (2006- 2012) and Vice-President of the German Rectors' Conference responsible for Research (2001-2006).

Margret Wintermantel studied psychology and journalism at the University of Mainz. Following her PhD (Dr. rer. nat.) in psychology at the same University (1972), research periods in Ann Arbor and at Berkeley and Research Fellowship of Deutsche Forschungsgemeinschaft, she gained her "Habilitation"-degree in psychology at the University of Heidelberg (1986). Her research fields of interest are social forming of opinion, language production and communication. She started her career 1992 as university professor (C4) for social psychology at Saarland University, followed by Vice-Presidency for Study and Teaching (1994-1997) and Presidency of Saarland University (2000-2006).

She is member of the Austrian Science Council. Since 2005 she is Chevalier of the French Legion of Honour in recognition for her merits towards Franco-German-Cooperation in science and research. In October 2009 she was decorated with the Cross of Merit, 1st Class of the Federal Republic of Germany.



#### **Gernot Erler**

Coordinator for Intersocietal Cooperation with Russia, Central Asia and the Eastern Partnership Countries / Special Representative of the Federal Government for the OSCE Chairmanship



Photo: Auswärtiges Amt

Gernot Erler is a German politician and member of the Social Democratic Party (SPD). He has been a member of the Bundestag for the constituency of Freiburg since 1987. From 2005 until 2009, he served as the Minister of State in the Federal Foreign Office. From 1998 until 2005, and again from 2009 until 2013, he served as Deputy Chairman of the SPD parliamentary group in the Bundestag, responsible for foreign, defence, development policy and human rights. Prior to this, he was Chairman of the Disarmament and Arms Control Committee from 1994 until 1998.



H.E. Dr. Andrij Melnyk

Ambassador of Ukraine to the Federal Republic of Germany

http://germany.mfa.gov.ua/de/embassy/ambassador/cv



His Excellency Dr. Andij Melnyk has been appointed the Ambassador of Ukraine to the Federal Republic of Germany in December 2014. He started his diplomatic career in 1997, and served as second and then first secretary of the Embassy of Ukraine in Austria (1999-2003). He then worked as chief advisor for international legal affairs in the foreign policy department of the president's administration (2004-2005), thereafter serving as deputy-head and head of the same department (2005-2007). Between 2007 and 2012 he was Consul of Ukraine in Hamburg. Between 2012 and 2014 Andrij Melnyk worked at the Ministry of Foreign Affairs of Ukraine. In March 2014 he was appointed Deputy Minister of in the Ukrainian Government responsible for European integration.

Andrij Melnyk graduated with distinction from Ivan Franko State University of Lviv in 1997, specializing in international relations and German Language. He also studied international law at Lund University, Sweden (Master of Law, 1996-1998) and took part in the scientific programme "National Security of Ukraine" at Harvard University, USA (1998). In 2004 Andrij Melnyk received a PhD in Law from the Korezky Institute for State and Law, National Academy of Sciences of Ukraine. Andrij Melnyk was born in 1975 in Lviv.





Dr. Enno Aufderheide

Secretary General Alexander von Humboldt Foundation

www.avh.de

Photo: Alexander von Humboldt Foundation

On 1 July 2010, Enno Aufderheide became the new Secretary General of the Humboldt Foundation. From 2006 to 2010, he was head of the Research Policy and External Relations Department at the Max Planck Society in Munich where he played a key role in the Society's internationalisation strategy. From December 2008 onwards, he also took on responsibility for managing the Minerva Foundation for the promotion of German-Israeli academic cooperation.

From 1988 to 1999, Enno Aufderheide held various positions at the German Aerospace Centre before moving to Cologne in 1999 to become head of the Research Department at the German Council of Science and Humanities. In 2002, he was appointed as executive director of the "Science" Section at the Helmholtz Association. From 2005 to 2006, he was a mentor in the Network Mentoring Programme for prospective women managers. He is and was a member of various national and international committees for the promotion of science and is the author of numerous academic and science policy publications. The distinctions he has received for his work include the Kussmaul Medal which he was awarded by the German Society for Rheumatology in 2009.

Enno Aufderheide is an alumnus of the German National Academic Foundation. He studied biology at the universities of Bielefeld and Bonn and was also a Fulbright Fellow at the University of Colorado in Boulder, USA. He worked on his doctoral dissertation at the Max Planck Society's Friedrich Miescher Laboratory and was awarded a doctorate by Tübingen University in 1988.





#### Professor Dr. Aleksandra Antoniouk

Department of Nonlinear Analysis Institute of Mathematics National Academy of Sciences of Ukraine Kyiv, Ukraine

http://www.imath.kiev.ua/people/profile.php?pid=113&lang=en

Photo: private

Alexandra V. Antoniouk works as Senior Scientist at the Kyiv Institute of Mathematics, National Academy of Sciences of Ukraine since 1996. Her research interests focus on parabolic equations of finite and infinite number of variables, associated with them Stochastic differential equations on manifolds and applications of Mathematics to Life Sciences. Alexandra V. Antoniouk's research has been supported by a number of competitive grants, including an EU Marie Curie IRSES grant "EU-Ukrainian mathematicians for Life Sciences" (in collaboration with Prof. Dr. J. Prestin, Luebeck University), DFG (with partners from University of Potsdam), and EU Horizon 2020. She also teaches at National Technical University of Ukraine "Kyiv Polytechnic Institute". Last year Aleksandra was awarded the Humboldt Alumni Award for Innovative Networking Initiatives, which she organizes together with her colleague and Humboldtian Prof. Dr. Sylvie Paycha (University of Potsdam). An exhibition entitled "Women in Mathematics around Europe. A gallery of portraits" will be opened on 16 July 2016 during the 7<sup>th</sup> European Congress of Mathematics in Berlin. This exhibition aims to draw the public's attention to the large discrepancy between the numbers of men and female mathematicians and inspire young women to embark on a career in mathematics.

Alexandra V. Antoniouk graduated with honours in Mathematics from the Mechanical-Mathematical Department of Taras Shevchenko National University of Kyiv in 1990, and gained her doctorate from the Kiev Institute of Mathematics at Ukraine's National Academy of Sciences in 1993. She then continued her research career at the Department of Functional Analysis at the same institute as a research associate. Between 1997 and 1998 Aleksandra conducted research at Ruhr-Universität Bochum as a Humboldt Fellow. Alexandra was born in Kyiv and has a daughter.





Vice President German Research Foundation (DFG)

http://www.dfg.de/en/dfg\_profile/statutory\_bodies/executive \_\_\_\_\_committee/members/funke/index.jsp



Photo: DFG

Peter Funke is Vice President of the DFG since 2010. He is Professor of ancient history and Director of the Institute of Ancient History and the Institute of Epigraphy at the Westphalian Wilhelm University of Münster since 1988, where he also heads the Research Centre for Historical Geography of Ancient Greece.

Peter Funke studied History and German philology at Westphalian Wilhelm University of Münster and gained his PhD from the Faculty of Philosophy/ History of University of Cologne in 1978. He continued as research assistant at the Institute of Classical Studies, Department of Ancient History, University of Cologne, where he also habilitated in 1985. Following senior appointments are particularly noteworthy: Chairman of the "Joint Educational Reform Commission" for North Rhine-Westphalia (1993-1996), Vice-chairman (1998-2000) and Chairman (2004-2008) of the Association of German Historians, Scientific advisor for the humanities of the German-Israeli Foundation (since 2005) Member of the Standing Committee and the "Core Group for the Humanities", European Science Foundation (since 2006), Member of the Head Office of the German Archaeological Institute (since 2007). Peter Funke was born in 1950 in Rheine, Westphalia.





#### Professor Dr. Andriy Luzhetskyy

Saarland University FR 8.2 Pharmazie Pharmazeutische Biotechnologie Saarbrücken Germany <u>http://www.helmholtz-</u> hzi.de/de/forschung/forschungsschwerpunkte/neue wirkstoff <u>e gegen infektionen/metabolisches engineering von aktino</u> <u>myzeten/andriy luzhetskyy/</u>

Photo: Private

Andriy Luzhetskyy holds Professorship in Pharmaceutical Biotechnology at Saarland University since October 2015. His research deals with numerous and significant aspects of biotechnological production of natural products. He mainly focuses on the biology of actinomycetes, especially the utilization of their biosynthetic potential for the production of bioactive substances. Andriy Luzhetskyy was awarded the DECHEMA prize for junior researchers in natural products research (2011) and he received the ERC Starting grant for his "Explogen" project (2012).

Andriy Luzhetskyy studied biology at the University of Lviv, Ukraine. During his master thesis he already got involved with genetics and microbiology. A part of his PhD studies he spent at Albert-Ludwigs-Universität Freiburg supported by a DAAD scholarship (2002-2003). He gained his doctor's degree in January 2004 at the Laboratory of Genetics and Genetic Engineering of Industrially Important Microorganisms, Ivan Franko National University of Lviv and switched within the same year to the "Institut für Pharmazeutische Wissenschaften" der Albert-Ludwigs-Universität Freiburg, where he in 2009 founded his own junior research group. From 2011 until 2015, he headed a junior research group at the Helmholtz Institute for Pharmaceutical Research Saarland (HIPS). Andriy Luzhetskyy was born in Busovysko, Lviv region, Ukraine in 1977. He is married and has 2 children.



#### Professor Dr. Johannes Müller

Institute for Pre- and Protohistoric Archaeology Kiel University

<u>https://www.ufg.uni-</u> kiel.de/de/mitarbeiterinnen/professoren/jmueller

Johannes Müller is professor for Prehistoric Archaeology (Prehistory) and director of the institute in Kiel since December 2004. He studied in Freiburg and Edinburgh, and obtained his Master's degree and doctorate in Freiburg. After completing a DAI-travel grant he was academic assistant at the Freie Universität Berlin, where he obtained his habilitation, whereupon he held teaching positions in both Freiburg and Cologne. In 2000, Johannes Müller was appointed professor for Pre- and Protohistoric Archaeology in Bamberg and later became head of Bamberg's institute for pre-Christian European Iron Age; Socialarchaeology; Settlement Archaeology; Landscape Archaeology. Johannes Müller is initiator and spokesman of the graduate school "Human Development in Landscapes" (DFG-Initiative of Excellence) and coordinator of the DFG's priority program "Early monumentality and social differentiation". Field research is being conducted in i.a. Bosnia, Poland, Germany and Ukraine. Excavation projects range from megalithic tombs, Neolithic and Bronze Age settlements to Eastern European settlement mounds. Prof. Müller was Elected member of the DFG review board "Old cultures" (2002-2012), is a Member of the Scientific advisory board of the DFUG, Elected member of the Roman-Germanic-Commission of the DAI (since 2012), Board member "Dialogues with the Past/Scandinavian Graduate School for Archaeology (since 2013).





Professor Dr. Olga Garaschuk

2<sup>nd</sup> Chair for Physiology Eberhard Karls University of Tübingen

http://www.physiologie2.uni-tuebingen.de/

Photo: Thomas Tratnik

Olga Garaschuk holds the 2nd Chair for Physiology (W3) at the Eberhard Karls University of Tübingen since 2008, and is Co-Head of the Research Section C at the Werner Reichardt Centre for Integrative Neuroscience (Cluster of Excellence), University of Tübingen since 2012. Olga Garaschuk is also a Member of the scientific advisory board of the Bernstein Centre for Computational Neuroscience and Bernstein Fokus Neurotechnology, Gottingen University and a Mentor of the "Helmholtz Management Academy". Her research (supported by e.g. DFG and BMBF) focuses on functional analysis of neuronal networks in vivo, especially in context of perception of sensor stimuli, as well aging and neurodegeneration (in particular, Alzheimer disease). Among her scientific achievements is development of a technique for functional in vivo imaging of neural networks, pioneering research on in vivo Ca<sup>2+</sup>-signalling in microglia (as well as adult neural stem cells).

Olga Garaschuk graduated in physico-chemical biology from the Moscow Institute for Physics & Technology (MFTI) with top honours. She gained her PhD at the Bogomoletz Institut for Physiology in Kyiv in 1992, and moved first to the Max Planck Institute for Biophysical Chemistry in Gottingen and thereafter to the Institute of Physiology at the University of Saarland, where she was awarded the Irène Curie habilitation Scholarship. She habilitated in Physiology at the Ludwig-Maximilians University, Munich in 2003. Before moving to Tübingen Olga Garaschuk was appointed as Professor for Neuroimaging (W2) at the Institute of Neuroscience of the Technical University in Munich (2006). Olga Garaschuk was born in Kyiv, Ukraine, is married and has three daughters.





**Professor Dr. Yuri Kondratiev** 

Faculty of Mathematics Bielefeld University

https://www.math.uni-bielefeld.de/~kondrat/

Photo: Private

Yuri Kondratiev holds Full professorship (W3) at the Bielefeld University since 2008. His research interests include functional analysis, mathematical physics and stochastic calculus. Yuri Kondratiev is a member of the Kyiv School of functional analysis founded by M. Krein and lead, for many years, by Y. Berezansky. Yuri Kondratiev made major contributions in his field of research: e.g. he initiated a systematic study of continuous configuration spaces. He made pioneering contributions in Gaussian and Non-Gaussian white noise analysis. One space of stochastic distributions has now being named after him («Kondratiev space»).

Yuri Kondratiev graduated with honours in mathematics from Taras Shevchenko National University of Kyiv (1975) and gained his PhD from the same university in 1979. In 1987 Yuri Kondratiev was conferred the Degree of Doctor of Science (analogous to the German habilitation). Since 1991 Yuri Kondratiev has been working both in Ukraine (Institute of Mathematics of the National Academy of Sciences of Ukraine, as well as at the National Pedagogical Dragomanov University) and in Germany (University of Bonn, since 2000 - Bielefeld University). His fruitful long-term bilateral collaboration with partners in both Germany and Ukraine has been supported by numerous grants from the DFG, EU as well as by visiting fellowships for young researchers provided by the DAAD and the Alexander von Humboldt Foundation. He also held the Chair of Professor in Applied Mathematics at the University of Reading in the UK (2007-2008). Yuri Kondratiev was born in Kyiv in 1953, is married and has 2 children.



#### Dr. Denys Makarov

Research Group Leader Helmholtz-Zentrum Dresden-Rossendorf (HZDR)

http://www.smartsensorics.eu/group/dr-denys-makarov/



Photo: Private

Denys Makarov is heading a research group "Intelligent materials and devices" at the Helmholtz-Zentrum Dresden-Rossendorf (HZDR) since October 2015. His work is influential for the topic of magnetism on curved surfaces and opened up new research field of spintronics on flexible, bendable and stretchable surfaces. These so-called shapeable (flexible, printable and stretchable) magnetoelectronics have great potential for eMobility applications and in medicine. His research is supported by major grants funded by the European Research Council (Starting Grant and Proof of Concept Grant) and the EU Future and Emerging Technologies "Young Explorers Grant".

Denys Makarov obtained his Master Degree in applied physics (2005) from Taras Shevchenko National University of Kyiv in Ukraine, followed by a Ph.D. (2008) from the University of Konstanz in Germany, working with Professor Manfred Albrecht. From November 2010 until September 2015 Denys Makarov led a group "Magnetic Nanomembranes" at the Leibniz Institute for Solid State and Materials Research Dresden (IFW Dresden).





Professor Dr. Yuri Gleba

Founder and CEO Nomad Biosciences GmbH Halle (Saale)

http://www.nomadbioscience.com/

Photo: Private

Yuri Gleba has over 30 years of research and management experience in plant genetics and biotechnology. Dr. Gleba's research in plant genetics and biotechnology was published in more than 200 research papers, books and over 35 patent families, and has earned the respect of international scientific community as is evidenced by his election to World Academy of Arts and Science, European Academy (Academia Europaea), National German Academy Leopoldina, National Ukrainian Academy of Sciences, Lithuanian Academy of Science and Bavarian Academy of Sciences. He received numerous international and national awards, including Koerber Prize (Hamburg), Alexander von Humboldt Prize, USSR State Prize, State Prize of Ukraine, etc.

Yuri Gleba graduated from Taras Shevchenko National University of Kyiv in 1971 and gained his Ph.D. from the Institute of Botany, Academy of Sciences of Ukraine, in 1974. He has then received the Doctor of Sciences degree (analogous to German habilitation) and a Professorship title from Leningrad University (1980). He founded the Institute of Cell Biology and Genetic Engineering at the Ukrainian National Academy of Sciences (Kyiv, Ukraine) in 1989, and served as its Director until 2010; currently, he is Honorary Director of the Institute. Yuri Gleba left former USSR in 1991 and joined American Cyanamid Company, Princeton, NJ, as a Director of Crop Engineering. In 1999, he left American Cyanamid/AHP and founded Icon Genetics, Princeton/Munich/Halle, a plant biotechnology company; he has been serving as its CEO since its inception until August 2015. He also founded four other companies, including Nomad Bioscience GmbH and Nambawan Biotech GmbH in Germany and Nomads UAB in Lithuania. Yuri Gleba also has extensive teaching career: he mentored 35 PhD students and lectured or hold adjunct positions for many years at the universities of USSR, USA, Belgium, Germany and Ukraine.



#### Dr. Olga Byegunova

MicroStrategy Business Intelligence Consultant MT AG, Frankfurt am Main

http://www.mt-ag.com/



Photo: Private

Olga Byegunova is Business Intelligence Consultant with over 15 years of experience in Information Technology, including software development, education, and customer project work in global organizations. Olga Byegunova has more than five years of experience with MicroStrategy products including Architect, Developer, Web, Mobile, Admin and SDK. She also possesses advisory-level consulting skills for MicroStrategy Business Intelligence application, and has solid experience in complex MicroStrategy data models, experience in customization and delivery of end-user trainings, including highly technical and complex classes and Train-the-Trainer classes on customer data.

Olga Byegunova gained her PhD (Dr. rer. nat.) in 2009 from Bielefeld University, where she studied at the DFG-funded International Graduate Training Group "Stochastic and Real World Models". Her PhD thesis was entitled "Soliton-Like Waves of Nuclear Burning in the Neutron Multiplicating Media (Theory and Computational Approach)". Olga Byegunova graduated with MSc in Applied Mathematics-from Odessa State Polytechnic University, Ukraine, in 1998.



Yuriy Didevych

Berater Migration & Diaspora, GIZ-Büro Kiew Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Kyiv, Ukraine

www.giz.de

Yuriy Didevych is local coordinator of the Migration for Development Program and is responsible for coordinating and establishing connections between local partners, returning experts and students, providing consultations on social and professional integration, migration policy and migration organizations. Before joining the Centrum for international Migration and Development (CIM, which is a joint operation of the "Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH/ GIZ" and the German Federal Employment Agency) Yuriy Didevych worked for the International Radio Ukraine, Verkhovna Rada of Ukraine - Committee on financial policy and banking activities, EU TACIS Program on Reform of Migration and Asylum Law in Ukraine, law firm "Yurvneshservice", Institute of East Law - Munich, as CIM Returning Expert for the Lviv Chamber of Commerce and Industry and the NGO "Committee of Lviv Entrepreneurs".

Yuriy Didevych is an alumnus of the Konrad-Adenauer-Stiftung e.V. He obtained his master's degree in law at the Institute of international relations of the Taras Shevchenko National University of Ukraine (2005), studying one semester at the University of Regensburg for European Law (2003-2004), followed by the master degree in law (LL.M.) at the University of Regensburg for European Law (2010).





Frithjof A. Maennel Deputy Director General International Cooperation BMBF

https://www.bmbf.de/

Photo: Private

Frithjof A. Maennel, Ministerialrat, was appointed Head of the Directorate for International Cooperation at the Federal Ministry of Education and Research in April 2015.

Frithjof A. Maennel studied Law at the Universities of Bonn and Munich. In 1992 he joined the Federal Ministry for Research and Technology, today's Federal Ministry of Education and Research, where he held various positions. From 1996 to 2005 he worked in the "Internal Market" and the "Information Society" Directorates-General at the European Commission in Brussels and was involved in particular in shaping the legal framework for the information society. He left Brussels to become Head of the "Patent Policy, Inventor Promotion" Division at the Federal Ministry of Economics and Technology and was subsequently appointed Head of the "Strategy" Division at the Federal Ministry of Education and Research in 2007, remaining in this position until March 2015.





#### Professor Dr. Borys Victorovych Grynyov

Director of the State Fund for Fundamental Research of Ukraine, Academician of the National Academy of Science of Ukraine

http://www.dffd.gov.ua/index.php?lang=en

Photo: Private

Borys Victorovych Grynyov is Director of the State Fund of Fundamental Research of Ukraine since September 2014. Prior to this appointment, he held positions of Chairman of the State Committee for Science, Technologic and Innovation Development of Ukraine, First Deputy Chairman of the State Committee of Ukraine on Science, Innovation and Informatization, and First Deputy Chairman of the State Agency on Science, Innovation and Informatization of Ukraine (2010-2011).

Borys Victorovych Grynyov graduated from the Kharkov State University named after Maxim Gorky in 1978, specialized in physics. He first worked at the same university as junior researcher and did his graduate studies there (1978-1985), then moved to the Ukrainian extramural polytechnic institute named after I.Z. Sokolov (1986-1987). Borys Grynyov spent a decade (1987-1997), moving from senior researcher up to becoming Director of the State Scientific Institution "Institute for Single Crystals" of the National Academy of Sciences of Ukraine. He served as Deputy Minister of the Ministry of Science and Technology of Ukraine (1997-1999) and was First Deputy Chairman of the State Committee of Science and Intellectual property of Ukraine (1999-2000). He then led the State Scientific Institution "Institute for Single Crystals" of the National Academy of Sciences of Ukraine (2000-2002), thereafter becoming Director of the Institute for Sciences of Ukraine as Director General (2000-2002), thereafter becoming Director of the Institute for Sciences (2002-2010).



#### Professor Dr. Nataliya Shulga

Chief Executive Officer Ukrainian Science Club

http://nauka.in.ua/en/



Vice Rector for Strategic Development, Professor Dragomanov National Pedagogical University, Kyiv, Ukraine

http://www.npu.edu.ua/index.php/en/

Photo: Igor Gaidai

Dr. Nataliya Shulga is the Executive Director of the "Ukrainian Science Club" (USC), which she cofounded in 2007. USC is an NGO that serves to connect world-class researchers in all fields of science and technology. Under her leadership, USC became a celebrated expert group in science and technology policy analysis, science popularization, research, and education related legislative initiatives in Ukraine. She also serves as main expert in science and technology at the Reanimation Package of Reforms, a recent civil society platform advocating needed reforms for the country. She is co-author of two major new Laws on Higher Education and Science which were passed by the Ukrainian Parliament over the past year.

Dr. Nataliya Shulga graduated in biology from the Taras Shevchenko Kyiv National University in 1982. She worked for 14 years at the Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine. In 1992, Nataliya Shulga moved to the University of Rochester (UR, New York, USA), where she continued her research in molecular genetics and cell biology for 13 years. She also successfully completed a Special Executive Course on Entrepreneurship at the W.E. Simon Graduate School of Business Administration at the UR. Nataliya Shulga made substantial original contributions in the field of nuclear transport, which has been published in many elite science journals. She is the author of more than 30 original research papers and publications that address the state of education and science in Ukraine. Nataliya Shulga returned to Ukraine after the "Orange Revolution" to assist in education and science reform. She worked as Vice President of Strategic Planning at Kyiv-Mohyla Academy where she developed a plan to transition the university from a traditional teaching facility to a research university. Nataliya Shulga was born in Kyiv.





Dr. Oksana Seumenicht

International Relations Manager Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC) Berlin

https://www.mdc-berlin.de

Photo: Private

Oksana Seumenicht works as International Relations Manager at the MDC since 2010. She is supporting the development of the MDC international strategy and cooperation between the MDC and its international partners, in particular by providing targeted information on relevant funding opportunities and organising joint bilateral activities. Oksana Seumenicht led on or contributed to numerous grant applications, raising in excess of €5 mil of extramural funds. She also reviewed applications for the Marie Curie Individual Fellowship Schemes for the European Commission (2011-2013). In addition, Oksana Seumenicht has been organising various events to support career development for the MDC's PhD students and postdocs.

Oksana Seumenicht (née Ciupka) graduated with distinction in nuclear physics (1992) from Taras Shevchenko National University of Kyiv, Ukraine, and carried out her PhD research in radiobiology at the Institute of Cell Biology and Genetic Engineering, National Academy of Sciences of Ukraine, gaining a PhD in biology in 1995. She then carried out her postdoctoral research in radioecology, and later in physiology of vision and tissue engineering in Ukraine, Denmark, Germany and the UK (including University of Oxford and UCL). During her post-doctoral research Oksana was supported by a number of competitive personal fellowships, e.g. from the DAAD (1998-1999), the Royal Society of the Great Britain (1999-2000) and the Wellcome Trust, UK (2000-2002). In 2005 Oksana Seumenicht joined the Research & Commercial Division of Cardiff University (UK) as Research Development Officer, where she has assisted academics with raising extramural funds and provided technology transfer support. She joined the MDC in 2006 first as PhD Coordinator for the MDC-HU Berlin International PhD Programme "Molecular Cell Biology", raised funds and built up the MDC Graduate School, which she subsequently managed (2007-2009). Oksana Seumenicht was born in Kirovograd region, in Ukraine, is married and has three children.



# FUNDING and SUPPORTING ORGANISATIONS



German Academic Exchange Service / Deutscher Akademischer Ausstauschdienst (DAAD) www.daad.de

The German Academic Exchange Service (DAAD) is the largest funding organisation in the world supporting the international exchange of students and scholars. Since it was founded in 1925, more than 1.5 million scholars in Germany and abroad have received DAAD funding. It is a registered association and its members are German institutions of higher education and student bodies. Its activities go far beyond simply awarding grants and scholarships. The DAAD supports the internationalisation of German universities, promotes German studies and the German language abroad, assists developing countries in establishing effective universities and advises decision makers on matters of cultural, education and development policy.



Alexander von Humboldt Foundation www.humboldt-foundation.de

The Alexander von Humboldt Foundation promotes academic cooperation between excellent scientists and scholars from abroad and from Germany. To this end it grants more than 700 research fellowships and research awards annually. These allow foreign scientists and scholars to conduct a research stay in Germany and to collaborate closely with their hosts and partners. Scientists or scholars from Germany can carry out a research project abroad as a guest of one of well over 26,000 Humboldt Foundation alumni around the globe – the Humboldtians. Nowadays the foundation's network embraces scientists and scholars from all disciplines in more than 140 countries - including 53 Nobel Prize winners.



Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) www.dfg.de

The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) is the central selfgoverning research funding organisation in Germany. It serves all branches of science and the humanities by funding research projects at universities and other research institutions. The DFG promotes excellence and quality by selecting the best research projects on a competitive basis and actively encourages international research cooperation. It is particularly dedicated to the promotion of young researchers and to gender equality in science and academia. It also advises legislatures and government agencies on scientific matters. The DFG is an association under private law. Its membership consists of German research universities, non-university research institutions, scientific associations and the Academies of Science and the Humanities. NETWORKING EVENT: GERMAN-UKRAINIAN ACADEMIC COOPERATION: BEST PRACTICE, CHALLENGES & OPPORTUNITIES Berlin, 28-29 January 2016





Centrum für internationale Migration und Entwicklung eine Arbeitsgemeinschaft aus giz und 🛆

### The Centre for International Migration and Development (CIM)

www.giz.de

The Centre for International Migration and Development (CIM) is the competence centre for global labour mobility in the international cooperation activities of the German Government. CIM taps the potential that global migration offers for sustainable development. Our goal is to ensure, through sustainable international cooperation, that people living in developing and emerging countries have better prospects for a good life. We place technical experts and managers with employers worldwide and provide our partners with support on migration issues. Our goal is to find solutions that bring equal benefits to all stakeholders – employers, experts, the cooperation countries and Germany. CIM is jointly run by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and the German Federal Employment Agency, bringing together over 30 years of expertise in development and labour market policy. Our comprehensive service package promotes the positive potential of migration. It supports our partner countries in achieving the objectives they have set for themselves in collaboration with the German Federal Ministry for Economic Cooperation and Development (BMZ).



# European Liaison Office of the German Research Organisations

KoWi

#### www.kowi.eu

KoWi is a joint service platform of the major German research organisations (Alexander von Humboldt, DAAD, DFG, Fraunhofer, Helmholtz, Max Planck, Leibniz, etc.) united in the "Association for the Promotion of European and International Cooperation in Science". As a Central Research Facility, KoWi is financed by the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG). KoWi's main task is to provide advice and training on European funding opportunities for researchers and administrators at universities and research organisations.





The International Bureau / DLR Project Management Agency of the German Centre for Aviation and Space Travel (DLR) <u>www.internationales-buero.de</u>

The International Bureau (IB) supports a stable international research and education cooperation between Germany and its partners. The IB offers financial support when setting up new contacts and cooperation and advises German universities, companies and institutions outside the university system on international research collaboration.

The varied services of the International Bureau support the internationally focused activities of the Federal Ministry of Education and Research (BMBF). These are focused on the political strategies of the Federal Government – above all the internationalisation strategy for science and research. It is also in line with the framework and specialised programmes of the Federal Research Ministry and its bi- and multilateral agreements with partners across the world.



Volkswagen Foundation /VolkswagenStiftung www.volkswagenstiftung.de

The Volkswagen Foundation is the largest private research funder and one of the major foundations in Germany. It is dedicated to the support of science (including social sciences and humanities) and technology in higher education and research. It funds research projects in path-breaking areas and provides assistance to academic institutions for the improvement of the structural conditions for their work. In particular, the Foundation perceives its mission in supporting aspiring young researchers and in promoting interdisciplinary and international collaboration. Since it was founded in 1962 the Foundation has granted more than 4.2 billion EUR for over 30,000 projects.