Scholarship Program of the German State of North Rhine-Westphalia for students from Israel

Call 2017

Scholarship places
at institutions of higher education
in North Rhine-Westphalia

Please choose the scholarship place(s) you seek to apply for; fill in the online registration form and submit it also via online.

Please consider the time frames offered by the host universities.
<table>
<thead>
<tr>
<th>University Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bielefeld University of Applied Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Ruhr-University Bochum</td>
<td>14</td>
</tr>
<tr>
<td>Bonn-Rhein-Sieg University of Applied Sciences</td>
<td>25</td>
</tr>
<tr>
<td>TU Dortmund University</td>
<td>29</td>
</tr>
<tr>
<td>Dortmund University of Applied Sciences and Arts</td>
<td>31</td>
</tr>
<tr>
<td>Heinrich-Heine-University Duesseldorf</td>
<td>33</td>
</tr>
<tr>
<td>Rhein-Waal University of Applied Sciences</td>
<td>37</td>
</tr>
<tr>
<td>University of Duisburg-Essen</td>
<td>38</td>
</tr>
<tr>
<td>RWTH Aachen University</td>
<td>46</td>
</tr>
<tr>
<td>University of Cologne</td>
<td>48</td>
</tr>
<tr>
<td>University of Muenster</td>
<td>52</td>
</tr>
<tr>
<td>Muenster University of Applied Sciences</td>
<td>58</td>
</tr>
<tr>
<td>University of Paderborn</td>
<td>60</td>
</tr>
<tr>
<td>University of Wuppertal</td>
<td>63</td>
</tr>
</tbody>
</table>
Contacts and further information

Heinrich-Heine-University Duesseldorf
International Office
Universitaetsstrasse 1
D–40225 Duesseldorf
Germany
Elena Ganem-Bachmann (M.B.A.)
Phone: +49 (0)211 / 81 15730
Fax: +49 (0)211 / 81 11334
Email: nrw-scholarship@hhu.de
Bielefeld University

Bielefeld - the "university of short ways" and of "interdisciplinary intertwinement"! Whereas elsewhere the departments and institutes are spread all over the city, Bielefeld University is a campus university. Thanks to this compactness, the disciplines are very close to one another and lots of opportunities for interdisciplinary encounter arise. There is even a special-purpose Center for Interdisciplinary Research, the "ZiF."

The I2SoS is an interdisciplinary Institute that is devoted to reflecting on science: scientific method, social epistemology, the impact of science on society, social influences on sciences, economic incentives and their effects on science, science and technology, science and economic development, ethics of science, medical ethics, history of science. The overall focus is on the relation between science and society.

Visiting students can take part in all classes in philosophy, history, and economics unless access is restricted (restrictions may apply to economics classes). Accordingly, visiting students are not confined to science-related studies. However, the odds of acceptance are better for students with interests in such studies. The master’s program “History, Economics and Philosophy of Science” offers English-language classes (http://www.uni-bielefeld.de/i2sos/heps/international/index.html).

Bielefeld University offers the opportunity of taking a German language course at “PunktUm”.

www.uni-bielefeld.de

Contact: Dr. Thomas Luettenberg,
Dezernat III
Head/ International Office
Universitaetsstr. 25, D–33615 Bielefeld
Phone: +49-(0)521/106-4088,
E-mail: thomas.luettenberg@uni-bielefeld.de
<table>
<thead>
<tr>
<th># 1</th>
<th><strong>Institute</strong></th>
<th><strong>Contact at the institute</strong></th>
<th><strong>Number of places</strong></th>
<th><strong>Discipline or subject area</strong></th>
<th><strong>Bursars’ degree program</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute for Interdisciplinary Studies of Science</td>
<td>Prof. Dr. Martin Carrier</td>
<td>1</td>
<td>Philosophy of Science, History of Science, Economics of Scientific Knowledge, Medical Ethics</td>
<td>M, P</td>
<td></td>
</tr>
</tbody>
</table>

**Time frame:** June – December (preferred: September to December)

**Institute’s focal research areas**
- Philosophy of Science, History of Science, Economics of Scientific Knowledge, Medical Ethics

<table>
<thead>
<tr>
<th># 2</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Physics</td>
<td>Prof. Dr. Armin Golzhaeuser</td>
<td>1</td>
<td>Physics, Chemistry</td>
<td>M, B</td>
<td></td>
</tr>
</tbody>
</table>

**Time frame:** May – December 2017

**Institute’s focal research areas**
- Supramolecular Physics
- Chemical Nanolithography
- Carbon Nanomembranes
Bielefeld University of Applied Sciences

Five Faculties: Design, Architecture and Civil Engineering and Technology, Engineering and Mathematics, Social Sciences, Business and Health. Courses are mainly in German (language of instruction)

About 10,000 students (winter semester 2016/17) enrolled, including 260 international students

About 9,800 students (winter semester 2015/16) enrolled, including 240 international students.

German language courses for guest students are organized either within the faculty itself or in cooperation with a further education college or private language institute.

http://www.fh-bielefeld.de/

Contact: Sandra Schoeß, temporary Head of International Office, Bielefeld University of Applied Sciences, Interaktion 1, 33619 Bielefeld, Germany
Phone: +49-521/106-7764
Fax: +49-521/106-7726
E-Mail: sandra.schoess@fh-bielefeld.de
<table>
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<tr>
<th>Institute</th>
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<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Business and Health, Department of Business</td>
<td>Prof. Dr. Uwe Roessler</td>
<td>1</td>
<td>Business Administration, Business Information Systems, Business Law, Business Psychology, International Studies in Management</td>
<td>B, M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Teaching language: German/English (depends on the course)</td>
<td>Working language: German and English</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Personal consultation by professors and teachers in English</td>
<td>Papers can be written in English</td>
</tr>
</tbody>
</table>

**Time frame:** 11. September – 22. December 2017

**Institute’s focal research areas**

The Faculty of Business and Health, Department of Business, focuses on General Business Administration, Information Systems, Law, Psychology, and International Studies in Management. There is no specialization in one specific research field.

The scholar should participate in our course programme and it is possible that he/she can work at a special subject in cooperation with one of our professors.

In the Department of Nursing and Health there would also be the possibility to work in the field of healthcare, nursing (practice), professional consulting and teaching in the instruction of health care professions as well as management of pedagogic institutions in the health care sector.
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<tbody>
<tr>
<td>Faculty of Architecture and Civil Engineering</td>
<td>Prof. Dr.-Ing. Johannes Weinig</td>
<td>1</td>
<td>Civil engineering or architecture</td>
<td>B, M (classes only in German language)</td>
</tr>
</tbody>
</table>

**Time frame:** 09. October - 22. December 2017

**Institute’s focal research areas**
- Surveying methods and skills
- Construction of plain light buildings (e.g. sports halls or stadiums)
- Water engineering and water management
- Micro- and ultra-filtration methods
- Construction, Energy, Environment:
- water engineering including water preparation,
- energetic building restoration with alternative energy concepts
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</thead>
<tbody>
<tr>
<td>Faculty of Design</td>
<td>Prof. Dr. Roman Bezjak</td>
<td>1</td>
<td>Photography and media Design and communications design</td>
<td>B, M Classes in German language Personal consultation by professors and teachers in English Papers can be written in English</td>
</tr>
</tbody>
</table>

**Time frame:** 11. September – 22. December 2017

**Institute’s focal research areas**
- Photography and media
- Book design
<table>
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<tbody>
<tr>
<td>Department of Engineering and Mathematics</td>
<td>Prof. Dr. Lothar Budde</td>
<td>1</td>
<td>Engineering and Mathematics</td>
<td>B Classes in German language</td>
</tr>
</tbody>
</table>

**Time frame:** 11. September – 22. December 2017

**Institute’s focal research areas**
- Applied Mathematics
- Instrument-based Biotechnology; Bachelor of Science
- Electrical Engineering; Bachelor of Engineering
- Computer Engineering; Bachelor of Engineering
- Mechanical Engineering; Bachelor of Engineering
- Mechatronics; Bachelor of Science
- Renewable Energies; Bachelor of Engineering
- Business Engineering; Bachelor of Science
<table>
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</thead>
<tbody>
<tr>
<td>Faculty of Social Science</td>
<td>Prof. Dr. Michael Stricker</td>
<td>1</td>
<td>Social Science</td>
<td>B Ladies in German language</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Childhood education</td>
<td>Personal consultation by professors and teachers in English possible.</td>
</tr>
</tbody>
</table>

**Time frame:** 18. September – 22. December 2017

**Institute’s focal research areas**
- Social Science (Global Social Work, Culture Media, Methods of empirical social research)
- Childhood education
University of Bonn

Rheinische Friedrich-Wilhelms-Universität, which belongs to the top Universities in Germany in terms of student’s enrolment with particular high international participation, of high quality scientific projects and publications, multifaceted teaching activities. Currently several interdepartmental and interfaculty curricula are involved in innovative educational programs such as “Application of Biotechnology in Medicine” which are open for further interdisciplinary and international co-operations supported by several national foundations and European Union. Since several years, the University of Bonn actively participates in bilateral exchanging programs with Israel. The accumulated experience for both sides is highly positive. The created scientific and personal contacts are of durable nature.

Students from Israel could be integrated in interdisciplinary and interfaculty projects as well as particular English spoken Bachelor or Master Curricula at the below listed institutes, which have pride of their ample interdisciplinary cooperations, long standing involvements in international co-operations and programs supported by reputed scientific laboratories and institutions in Israel e.g. Weizmann-Institute, several Centres of Excellence, “Technion” (Haifa).

Rheinische Friedrich-Wilhelms-University offers German courses (A1-B2) during the semester.

www.uni-bonn.de

Contact:

Sandra Groeger
Dezernat International
Poppelsdorfer Allee 53
53115 Bonn
E-mail: Sandra.groeger@uni-bonn.de
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Department of Radiology Medical Faculty, Division of “Molecular / Experimental Radiology”</td>
<td>Prof. Dr. Olga Golubnitchaja</td>
<td>1</td>
<td>Early / Predictive molecular diagnostics, Targeted prevention, Individualised patient profiling, Personalised Medicine</td>
<td>B, M</td>
</tr>
</tbody>
</table>

**Time frame:** August – October 2017

**Institute’s focal research areas**

- Development of disease specific molecular markers for predictive diagnostics and personalized therapy;
- Application of clinical transcriptomics and proteomics;
- Expression profiling of human blood;
- Clinical evaluation of individual predisposition to breast cancer, leading causes of blindness, and chronic complications secondary to Diabetes mellitus type 2.
  
Ruhr-University Bochum

Ruhr University Bochum (RUB), about 41,000 students, 4,500 foreign students; modern and innovative university with a wide range of study courses and excellent research institutions, located in one of the most culturally interesting regions in the heart of Europe.

University homepage: www.rub.de

International Office: www.international.rub.de

German language courses start in April (summer term) and in October (winter term) and are free of charge for all RUB students.

RUB homepage: http://www.daf.ruhr-uni-bochum.de

Contact: Ms. Uta Baier

International Office
Ruhr-Universitaet Bochum
SSC 1/224
Universitätsstr. 150, D-44780 Bochum
Phone +49-234-32-29814,
Fax +49-234-32-14684,
E-mail: uta.baier@uv.ruhr.de
Institute | Contact at the institute | Number of places | Discipline or subject area | Scholars’ degree program (B = Bachelor; M = Master; P = PhD)
---|---|---|---|---
Philosophy of Language and Cognition or Mercator Research Group Structure of Memory | Prof. Dr. Markus Werning | 1 | Philosophy Linguistics Cognitive Science | B, M, P

**Time frame:** From May to December (except August) 2017

**Institute’s focal research areas**
- Philosophy of Language and Mind, Epistemology
- Philosophy of Neuroscience and Psychology
- Semantics and Pragmatics
- EEG, Computational Modelling
<table>
<thead>
<tr>
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<th>Number of places</th>
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<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair for Tunnelling and Construction Management</td>
<td>Ivan Popovic, M.Sc.</td>
<td>2</td>
<td>Civil Engineering; Environmental Engineering; Geosciences</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** October - December (02.10. – 22.12.2017)

**Institute’s focal research areas**
Soil conditioning for EPB and slurry shields, process simulation, cost-risk analysis, shotcrete laboratory experiments, tunnel safety
<table>
<thead>
<tr>
<th>Institute</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Clinical Neuropsychology</td>
<td>Prof. Dr. Boris Suchan</td>
<td>1</td>
<td>Neuropsychology, Cognitive Neuroscience</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:**
May - July 2017 or October – December 2017

**Institute’s focal research areas**
We have many research topics. We are interested in the processing of faces and bodies in the human brain. We are also interested in the involvement of the medial temporal lobe in the formation of long term memory and also in perception.

As techniques, we are using EEG and fMRI. Please take a look at our homepage to get an impression of our research topics (http://www.ruhr-uni-bochum.de/neuropsy/).
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Chair of public law, esp. administrative law at the Faculty of Law</td>
<td>Prof. Dr. Jörg Ennuschat</td>
<td>1</td>
<td>Law or any other subject related to the possible topics and fields of work for scholarship students (see below).</td>
<td>P</td>
</tr>
</tbody>
</table>

**Time frame:** 02. October – 23. December 2017

**Institute’s focal research areas**
Possible topics and fields of work are:
(1) Prevention and prosecution of money laundering
(2) Social inclusion in schools
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Institut for Philosophy and Theology</td>
<td>PD Dr. Ludger Jansen</td>
<td>1</td>
<td>We welcome research students from any relevant subject: Philosophy OR Theology (any denomination)OR Computer Science OR Medical</td>
<td>M or P</td>
</tr>
</tbody>
</table>

**Time frame:**

Or 15. October – 15. December 2017

**Institute’s focal research areas**

Metaphysics & Philosophy of Science; Biomedical Ontology, Social Ontology, Applied ontology  
Possible topics: - the ontology of artificial organisms - evolution and creation - the formal-ontological descriptions of religion - faith and reason.
<table>
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<tbody>
<tr>
<td>Institute for Geology, Mineralogy and Geophysik</td>
<td>Prof. Dr. Stefan Wohnlich</td>
<td>1</td>
<td>Hydrogeology</td>
<td>M, P</td>
</tr>
</tbody>
</table>


**Institute’s focal research areas**

To enhance our understanding of flow, chemical reactions and transport in groundwater, we teach, develop and perform numerical, field and laboratory studies. The latter aim at investigating methods, which allow for better monitoring and prediction of processes in groundwater. Our research contributes to the ongoing challenge of managing sustainable use of groundwater and aquifers.

Research topics that could be addressed:

- Hydrogeological laboratory investigations for the investigation of flow and transport in the unsaturated zone
- Groundwater modelling.
- Water balance in aride and semi aride regions
- Tracer techniques in water resources investigations (laboratory and field)
<table>
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</thead>
<tbody>
<tr>
<td>Developmental Neuropsychology, Department of Psychology</td>
<td>Prof. Dr. Sarah Weigelt</td>
<td>1</td>
<td>Psychology, Developmental Cognitive Neuroscience</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** 01. May – 15. July 2017

**Institute’s focal research areas**

Although huge advancements have been and still are made day-to-day in our understanding of the adult human brain, we know surprisingly little about the brains of children. Healthy brain development, however, is essential for human life: Disturbances of brain development during infancy and childhood will have a life-long impact on the affected person. Our main research interest focuses on typical and atypical brain development in children, adolescents and adults. Together with my team I aim at advancing our understanding of human brain development focusing on one of the best-studied neuronal subsystems: the visual system. Not only is our lack of knowledge about human visual brain development particularly obvious with most of the few studies demonstrating evidence for extended visual brain development, recent behavioral research also shows that vision continues to develop throughout childhood, adolescence and even adulthood on all levels. The main research question we are thus following as developmental neuropsychologists or developmental cognitive neuroscientists is: How do children see the world and how does the human visual brain develop? Using a multi-method approach combining behavioral as well as neuroimaging techniques our lab not only addresses typical brain development, but has a second strong focus on atypical development, in particular on autism. People with autism see the world differently, and we believe that understanding their perception will lead us to an overall deeper insight into human nature.

Key words: Developmental Neuropsychology, Developmental Cognitive Neuroscience, Vision, Neuroimaging, Brain development.
### # 8

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</tr>
</thead>
<tbody>
<tr>
<td>Dept. Animal Physiology</td>
<td>Dr. B. Novak</td>
<td>1</td>
<td>Biology, Biochemistry</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** From 02. May 2017 (for 3 months)

**Institute’s focal research areas**
cancer cell culture, in vitro pharmacological assays, photobiology/phototoxicity, skin biology, histology, immunohistochemistry, gene expression, cancer stem cells

### # 9

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Mathematics, Institute for Stochastic</td>
<td>Prof. Dr. Christoph Thäle</td>
<td>1</td>
<td>Mathematics</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** Between June 1 and November 30, 2017

**Institute’s focal research areas**
The interests of the chair of stochastics are located at the interfaces of probability theory with other branches of mathematics. We are particularly interested in proving limit theorems for random structures arising in geometry, combinatorics or topology by combining Stein’s method with techniques originating from stochastic analysis. Distinguished examples include limit theorems for random polytopes, random graphs, random surfaces or random simplicial complexes.

A candidate may participate in the working groups and the activities of the chair and initiate or participate in already existing collaborations on the topics mentioned above. She or he can also profit from the educational program of the local Research Training Group on “High-dimensional Phenomena in Probability”.

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- 22/67 -
<table>
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</thead>
<tbody>
<tr>
<td>English Department</td>
<td>Dr. Evangelia Kindinger</td>
<td>1</td>
<td>American Studies: US-Literature, US-Culture</td>
<td>M, P</td>
</tr>
</tbody>
</table>


**Institute’s focal research areas**

The American Studies Program at Ruhr-University Bochum is involved in various research areas:

1. Transnational American Literature and Culture (the study of transnational cultural exchange between the United States and other cultures; immigration, diaspora, globalization in U.S. literature)

2. The American City (the study of the American city as a cultural text; the study of urban narratives and the representation of the American city)

3. U.S. Regionalism (the study of the American South and its representation, in literature and other media)

4. 19th Century American Literature

5. American Poetry
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<tbody>
<tr>
<td>Institute for Philosophy II</td>
<td>Prof. Dr. Albert Newen</td>
<td>1</td>
<td>Theoretocal Philosophy: Mind, Logic, Language, Epistemology, Ancient Philosophy</td>
<td>M (Courses are in English or German)</td>
</tr>
<tr>
<td></td>
<td>Prof. Dr. James Wilberding</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Time frame:** April – December 2017

**Institute’s focal research areas**

The American Studies Program at Ruhr-University Bochum is involved in various research areas:

1. Transnational American Literature and Culture (the study of transnational cultural exchange between the United States and other cultures; immigration, diaspora, globalization in U.S. literature)

2. The American City (the study of the American city as a cultural text; the study of urban narratives and the representation of the American city)

3. U.S. Regionalism (the study of the American South and its representation, in literature and other media)

4. 19th Century American Literature

5. American Poetry
The Bonn-Rhein-Sieg University of Applied Sciences (UBRS) was established in 1995 as a national university funded by the government. Traditionally, UBRS attracts applicants from the within its region, but the University has formal and informal cooperation agreements with more than 30 universities throughout the world.

UBRS specializes in business administration, natural sciences, computer science, social security management, technical journalism and engineering. The focus areas for UBRS are applied research and development, technology transfer using international and interdisciplinary approaches. There is an emphasis on internships and practical applications in industry and research and joint research projects with numerous companies and institutions.

As English or another foreign language is a required subject for all students, the university has established a central Language Centre which designs, coordinates and carries out foreign language instruction on all three campuses. These specific-purpose courses are taught predominantly by native speakers, and state-of-the-art IC technologies are often implemented, primarily through the use of new language labs and self-access centres in both Rheinbach and Sankt Augustin. Especially for foreign students, “German as a foreign language” is offered including the TestDaF Exam.

The campuses in Sankt Augustin, Rheinbach and Hennef are well-equipped with modern laboratories, and technical equipment. UBRS has approximately 120 Professors of which many receive research grants. There are about 120 support staff including technical and administrative employees. UBRS currently has around 5500 students and the Department of Natural Sciences recruits about 200 undergraduate in Bachelor programs and about 30 students in a Master program each year in two study courses: Applied Biology (as an international study course) and Chemistry with Material Sciences (as an German study course).

www.h-bonn-rhein-sieg.de

Contact: Susanne Farha
Hochschule Bonn-Rhein-Sieg
Bonn-Rhein-Sieg University of Applied Sciences
International Office – Welcome Centre
Grantham-Allee 20
53757 Sankt Augustin
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Tel +49 (0) 2241/865-671
Fax +49 (0) 2241/865-8671
E-Mail: welcome.centre@h-brs.de
<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Natural Sciences</td>
<td>Prof. Dr. Edda Tobiasch</td>
<td>1</td>
<td>Biology</td>
<td>M, P</td>
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</tbody>
</table>

**Time frame:** Any time period between 01 July and November, 2017, but it must be at least 10 weeks.

**Institute’s focal research areas**

The work deals with human stem cell differentiation and their signalling pathways.

**Overview:**

Recent progress in our understanding of stem cell differentiation and cell transplantation has opened new therapeutic avenues in the treatment of human diseases involving chronic or acute tissue-specific cell loss. Consequently, experimental cell replacement strategies have been attempted involving adult stem cells with the aim of developing therapies.

Human mesenchymal stem cells which are isolated from adipose tissue have the advantage of potential autologous transplantation ability. There is strong evidence that they can be differentiated in various lineages such as the chondrogenic, osteogenic, adipogenic and myogenic direction. Inductions of the cells into multiple lineages as well as their use in the undifferentiated state already resulted phase I to III clinical studies for various diseases all over the world.

We aim at investigating fat-derived MSC, as potential donor cells, for their ability to differentiate in the osteogenic lineage for future treatment of critical size bone defects and in the adipogenic direction to develop an in vitro model for the onset of atherosclerosis.

In another project ecto-mesenchymal stem cells derived from dental follicles of wisdom teeth are used to find strategies improving dental implant stability.

We also differentiate the stem cell towards endothelial and smooth muscle cell for a better understanding of angiogenesis.

Other studies involve purinergic receptors and Hox genes for the characterization of stem cells derived from various human body parts during differentiation to find the best suitable cells and tissues for each differentiation lineage.
More information on the subjects can be found on the homepage:
https://www.h-brs.de/en/prof-dr-edda-tobiasch-0

The work encompasses the following topics for potential scholarship holder:

- Differentiation and characterization of adult, human mesenchymal stem cells
- Determination of the role of the differentiating adipocyte in an in vitro model of stenosis
- Investigation of purinergic receptors and Hox signalling and their role in human stem cell differentiation
- Biocompatibility testing of nano-structured polymers as scaffolds for 3D tissue engineering
- Stem cell interaction with natural and artificial scaffolds

The group is composed of the lab leader, a scientist, three PhD students, and several Master- and Bachelor students working on their theses. One of the PhD students will take care for the guest student.
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<tbody>
<tr>
<td>Department of Natural Sciences</td>
<td>Prof. Dr. Margit Schulze</td>
<td>1</td>
<td>Chemistry, Material Science</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:** June, July or August to 15th of October, 2017, must be at least 8 weeks

**Institute’s focal research areas**

**The work deals with:**

a) development of polymer scaffolds for stem cell differentiation and proliferation

b) development of polymers used in regenerative medicine (tissue engineering and drug release)

c) development of polymeric materials from renewable resources (biomass)

**The work encompasses the following topics for potential scholarship holder:**

- Synthesis of appropriate polymers (e.g. biopolymers such as microspheres and hydrogels)
- Characterization of polymer structure
- Surface modification / functionalization
- Bioactivation of the scaffolds (e.g. ligand coupling)
- Biocompatibility testing.
The TU Dortmund University was established in 1968 and comprises 16 Faculties, Collaborative Research Centres, Graduate Schools & Graduate Colleges, and a number of affiliated institutes as well as other associated and science institutes like Fraunhofer Institutes and the Max Planck Institute for Molecular Physiology (MPI). The number of students in the fall term WS15/16 amounted to slightly more than 33,500. The staff consists of 350 professors, 1,900 academics and about 1,300 non-academic staff.

The TU Dortmund University supports interdisciplinary cooperation between its fields of study. To combine and analyze the strengths and activities a program of thematic "research bands" has been developed. The "bands" allow cross-referencing beyond the bounds of single departments, faculties and disciplines.

The TU Dortmund University has set itself an ambitious goal: research, teaching and courses of study are to be given an even more consistently international orientation over the coming years. In addition to its integration within the region, with all its structural changes, the university is deliberately focusing on a second aspect: Within the scope of a comprehensive network of international university partnerships and research co-operations, the TU Dortmund University will strengthen its position among the global players in the field of science.

The university already offers extensive support measures for foreign students. With the regular orientation program "Come2Campus", the Office for International Relations helps international “freshmen” to cope with the new living and learning conditions. Together with the city of Dortmund, the university strives to improve the services provided for foreign students.

A further way of improving the general conditions for successful completion of courses of study for international students is to increase the number of lectures held in English. Building the network connecting the TU Dortmund University with partner institutions in Europe and all over the world has been a priority for decades. A huge number of co-operations among students, academics, institutes and departments, as well as world-wide university partnerships, opens up global thinking for the region and makes the university’s achievements and competence available to the scientific community worldwide.

Please notice: there are no language courses available this year.

International Office
Dr. Barbara Schneider
Emil-Figge-Str. 61, 44227 Dortmund
0231-755 6350, barbara.schneider@tu-dortmund.de
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<tr>
<th>Institute</th>
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<tbody>
<tr>
<td>Department for English and American Studies</td>
<td>Prof. Dr. Walter Gruenzweig</td>
<td>1</td>
<td>American Studies; Cultural Studies and related fields</td>
<td>B, M</td>
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<tr>
<td><strong>Time frame:</strong></td>
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<tr>
<td><strong>Institute’s focal research areas</strong></td>
<td></td>
<td></td>
<td>European-American relations, images of the United States, Anti-Americanism, Religion &amp; American Culture, reception of American literature abroad, American political cultures, Exile in the United States, Jewish-American Literature.</td>
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</table>
Fachhochschule Dortmund - University of Applied Sciences and Arts was officially founded in 1971. Dortmund University of Applied Sciences and Arts is an academic institution with 13500 students and more than 200 professors. It is the largest University of Applied Sciences in the Ruhr District. Studies contents focus on solving practical problems and performing tasks encountered in daily applications, with experienced professors ensuring a sound relationship between theory and practice. At present more than 13600 students are registered with the University of Applied Sciences and Arts of Dortmund. In all courses of studies the internationally recognized Bachelor and Master degrees are awarded.

Faculties at the Fachhochschule Dortmund –University of Applied Sciences and Arts are:

- Architecture
- Design
- Information Technology and Electrical Engineering
- Computer Science
- Mechanical Engineering
- Social Sciences
- Business

Contact: Mrs. Aleksandra Wojciechowska
International Office
Room A010
Sonnenstraße 96
44139 Dortmund
Telefon: 0231/ 9112-8130
Email: aleksandra.wojciechowska@fh-dortmund.de

Under certain conditions there may be a possibility to attend German courses offered by the Career Service of the FH Dortmund in cooperation with the Auslandsgesellschaft Intercultural Academy gGmbH (Dortmund) (B1 level) or to book one at the VHS Dortmund.
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<tbody>
<tr>
<td>Design</td>
<td>Prof. Lars Harmsen</td>
<td>1</td>
<td>Communication Design, Design and related</td>
<td>B, M</td>
</tr>
</tbody>
</table>

**Time frame:**

- 02.05.2017 - 28.07.2017
- or 02.10.2017 – 31.12.2017

**Institute’s focal research areas**

Even though the French emperor Napoleon I planned to found a university in Duesseldorf in 1811, with the Rhine area being thought of as an intellectual buffer zone between France and Prussia, Duesseldorf had to wait one more century. In 1907 the Duesseldorf Academy for Applied Medicine was founded and opened together with the newly-built Municipal Hospital, which was at that time the most modern clinical complex in the German Empire. Since the Academy had no university constitution, it was only allowed to instruct medical trainees, not students. The academy itself and part of the population launched several initiatives to change the status of the institution. In 1923 they finally succeeded when a university constitution including the right to train students was given to the Medical Academy of Duesseldorf. The study of dental medicine was subsequently incorporated, and by 1935 even doctoral degrees could be awarded in Duesseldorf.

After World War II the federal state of North Rhine-Westphalia and the City of Duesseldorf signed a contract which stated that the federal state would take over the Medical Academy, while the hospitals remained municipally owned. The Medical Academy became the University of Duesseldorf in November 1965, and in January 1966 it became a university with a medical faculty and a combined faculty of arts and natural sciences. In December 1988 the university senate decided to change the institution's name to Heinrich-Heine University Duesseldorf, in commemoration of one of the city's most renowned sons whose critical and inquisitive, poetic mind reached out across national borders and fought against small-mindedness.

Today the university forms the backbone of Duesseldorf's academic reputation. Faced with nation-wide cuts in university spending, the University of Duesseldorf has continued to thrive. Despite its recent foundation it has gained the reputation usually associated only with universities rich in age and tradition. The university's continuous development has made it home to a distinguished range of subjects, including medical science, natural sciences, economics, law, and the humanities. The degree requirements allow for numerous combinations of subjects, and study programs can be tailored to fit individual needs. Some subjects, such as Literary Translation, Yiddish Culture, Language and Literature, and Media Science, are unique features of our curriculum. Further specialties in the Faculty of Arts include Modern Japan Studies, and German as a Foreign Language which address the needs of the international business community. The Faculty of Economics focuses particularly on International Management. European and International Law enjoy an elevated position at the Faculty of Law, which is also a renowned center of commercial law. Duesseldorf has also become a hub of Biotechnology. The focal points of research within the Faculty of Mathematics and Natural Sciences are Genetics and Molecular Biology.

The Faculty of Medicine has gained a reputation for its research in Cardiology; Cell and Gene Therapy form the backbone of clinical research. The Center of Biomedical Research (BMFZ) stands out as a center of excellence. Several institutions devoted to special fields are attached to the university, for example the Institute of Diabetic Research, and the Medical Institute for Environmental Hygiene. The Institute for International Communication is also located on campus.

Ample proof of the confidence that sponsors place in the research conducted at HHUD can be seen in the number of collaborative research centers and research training programs. The
University of Duesseldorf ranks 18th among the top 45 universities (113 in total), which together receive 90% of all project funds granted in Germany.

The university's international profile is the result of the active exchange programs it maintains with partner universities in regions as diverse as California and Peking, Reading and Naples. In any given year, about 3000 foreign students come from more than 110 nations, and over 120 guest academics conduct their research here. The total number of students amounts to approximately 25000. The number of faculty exceeds 1500.

Last but not least, the university has the advantage of occupying a pleasant site. After long hours of study it is tempting to take a stroll through the Botanical Garden located right on campus....

www.uni-duesseldorf.de

Language Courses will be provided by the university. At the moment the planning for next year is not yet public. However, every non German speaking student can participate.

**Contact:**

Elena Ganem-Bachmann (M.B.A.)
International Office
Heinrich-Heine-Universitaet Duesseldorf
International Office (Building 21.02)

Universitaetsstraße 1, D–40225 Duesseldorf
Phone: +49-(0)211/81-15730
E-mail: nrw-scholarship@uni-duesseldorf.de
## 1

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<th>Discipline or subject area</th>
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</thead>
<tbody>
<tr>
<td>Institute for Yiddish</td>
<td>Prof. Dr. Marion Aptroot</td>
<td>1</td>
<td>Yiddish (including interdisciplinary studies)</td>
<td>B, M, P</td>
</tr>
<tr>
<td>Studies</td>
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**Time frame:** April – July or September - December 2017

**Institute’s focal research areas**

- Yiddish: Yiddish Language, Yiddish Literature and Culture, Yiddish Linguistics

## 2

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Institute for Art History</td>
<td>Prof. Dr. Andrea von Hülsen-Esch</td>
<td>1</td>
<td>Jewish Art, Art and Politics, Medieval European Art, Jewish Artists 1900-1930</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** May – December 2017

**Institute’s focal research areas**

- Jewish Culture in Europe at the Beginning of the 20th Century; Jewish Artists in the Rhineland 1880-1930, Medieval Art History (Materiality, Art treasuries, Book illumination).
Institute | Contact at the institute | Number of places | Discipline or subject area | Scholars’ degree program (B = Bachelor; M = Master; P = PhD)
--- | --- | --- | --- | ---
Institute for Competition Law | Dr. Jannik Otto | 1 | Law, Advanced Learner of German Language (Grade B2 or higher of the Common European Framework of references for languages) | M, preferable P

**Time frame:** May, June, July 2017

**Institute’s focal research areas**

The research focus lies in the field of German and European Competition Law including the neighbouring fields of German and International Business Law. Most publications are in German, some in English.

The applicant should intend to use the scholarship to further his/her own research project which should be in the field of the institute’s research focus. Therefore, the applicant is asked to present his/her research project in an exposé. The exposé should contain an overview of the research project and answer the question how German or European law has an impact on the issue. Also, the applicant should explain in how far a visit at the institute would promote the research project.

The applicant will have the opportunity to present his/her research project, to discuss it at the institute and to be given guidance as to questions of German and European law. Nevertheless, it will in principle be expected that the applicant will work on his/her research project independently. It may also be possible for the applicant to become involved in research projects conducted at the institute.
Rhine-Waal University of Applied Sciences (German: Hochschule Rhein-Waal) or HSRW, is a public university with an international orientation. The university opened for the winter semester of 2009/10. The university has two campuses: in Kleve and in Kamp-Lintfort.

Contact:

Dr. Joost Kleuters  
Head of International Office  
Marie-Curie-Str. 1, 47533 Kleve  
joost.kleuters@hochschule-rhein-waal.de  
02821 80673-140

Dr. Jelena Schulte  
Tel: 02842/908259780  
Office: 02 00 455  
Friedrich-Heinrich-Allee 25, 47475 Kamp-Lintfort  
jelena.schulte@hochschule-rhein-waal.de

Language courses (in German) are designed according to the standards of the Common European Framework of Reference (CE) (A1 to C2). Different levels of German language courses are offered per semester.

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<tbody>
<tr>
<td><strong>Institute</strong></td>
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<tr>
<td>Media Lab, Faculty C&amp;E, Kamp-Lintfort</td>
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<tr>
<td><strong>Time frame:</strong></td>
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<tr>
<td><strong>Institute’s focal research areas</strong></td>
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</table>
University of Duisburg-Essen

Creative inspiration between the Rhine and Ruhr: the University of Duisburg-Essen (UDE) is located in the European region with the highest density of institutions of higher learning. Created in 2003 by the merger of the universities of Duisburg and Essen, the UDE is the youngest university in North Rhine-Westphalia and one of the ten largest universities in Germany. Both campuses are easy to reach and offer some 37,000 students a broad academic spectrum with an international orientation – ranging from the humanities and social sciences to economics and the engineering and natural sciences, including medicine. Students from 130 countries are currently enrolled at the UDE. In many disciplines the UDE ranks amongst the TOP 10 of German research universities. Over the past three years, research income has risen by 150 %, a development which is also thanks to the five main research areas: Nano sciences, Biomedical Sciences, Urban Systems, Empirical Research in Education, and Change of Contemporary Societies.

www.uni-duisburg-essen.de

For free German classes in preparation for one’s studies see:
www.uni-due.de/international/deutschkurse.shtml

Contact: Simone Müller
International Office
Geibelstr. 41, SG 095
47057 Duisburg
Tel:+49-(0)203-3791062
Email: simone.mueller@uni-due.de
<table>
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<tr>
<th>Institute</th>
<th>Contact at the institute</th>
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<th>Discipline or subject area</th>
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</thead>
<tbody>
<tr>
<td>Department of Adult and Civic Education - Faculty of Educational Sciences</td>
<td>Friederike Lorenz &amp; Tim Zosel Prof. Helmut Bremer &amp; Prof. Fabian Kessl</td>
<td>1</td>
<td>humanities, sociology, education</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:** May – September 2017

**Institute’s focal research areas**

Appreciated is profound knowledge in at least one of the following subjects: the education system of Israel, Holocaust education in Israel, adult and civic education in Israel, the different socio-ethnic groups in Israel.

You will be working in Essen in our Department of Adult and Civic Education. We are researching and teaching with a special focus on participation in adult and civic education, social and political exclusion, theories of civic/citizenship education, theory of practice and social inequality (Bourdieu), and learners who are excluded from formal education.

We would like to support you in your project and exchange ideas regarding our common topics of research. Furthermore, we offer you to join us in our work on applications and projects, especially regarding Israel and Israeli-German relations. You will be able to join our seminars, get to know our faculty and university, and bring in your own perspective. We look forward to welcoming you here in Essen.

Required language: English
<table>
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<tbody>
<tr>
<td>Department of Neurology</td>
<td>Prof. Dr. Dagmar Timmann</td>
<td>1</td>
<td>Neuroscience, Neuropsychology, Biomechanics</td>
<td>B, M</td>
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<tr>
<td>Experimental Neurology</td>
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**Time frame:** 12 weeks within May – December 2017

**Institute’s focal research areas**

Clinical Neuroscience; Physiology and pathophysiology of the human cerebellum; Behavioural studies in patients with cerebellar disorders; Structural and functional MRI in patients and controls.

Projects will be on reach adaptation in cerebellar disease and studying the effects of transcranial direct-current stimulation (tDCS) on cerebellar deficits; Projects will be done in collaboration with Prof. Opher Donchin, Department of Biomedical Engineering and Zlotowski Center for Neuroscience Ben-Gurion University of the Negev.
<table>
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<tbody>
<tr>
<td>Chair of Educational Media Knowledge Management, Learning Lab</td>
<td>Dr. Pia Sander</td>
<td>1</td>
<td>Educational Technology, Instructional Design</td>
<td>M, P Major in Educational, Social Science, Psychology</td>
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<tr>
<td><strong>Time frame:</strong></td>
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<td>12 weeks within May – December 2017</td>
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<tr>
<td><strong>Institute’s focal research areas</strong></td>
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<tr>
<td>- Open Education &amp; Open Educational Resources</td>
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<td>- Digitalization strategies in education (change management)</td>
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<td>- Sustainable implementation of digital learning innovations</td>
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<td>- Social media for informal learning and formal learning settings</td>
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<td>- Games-based leaning and gamification, mobile learning</td>
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<td>- Learning Analytics and Life Long Learning</td>
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<td>- Instructional design for problem based approaches in online learning</td>
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<tr>
<td>- Usability research in educational context</td>
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<td>- Collaborative online learning</td>
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<tr>
<td>- Learning strategies of voluntaries</td>
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Research Center Juelich (FZJ)

Forschungszentrum Jülich works towards comprehensive solutions for the grand challenges facing society in the future in the three fields of energy and environment, brain research and information technology, thus laying the foundation for future key technologies. We provide impetus and are engaged as a partner throughout the entire value-adding process of research from basic research up to actual innovations. We focus our expertise programmatically and break new ground in strategic partnerships with universities, research institutions and industry. We intend to demonstrate that our research findings, our operation and utilization of complex infrastructures, and also our management achievements are among the best in the world. We regard the creativity and motivation of our staff as the greatest asset of our research centre, we therefore offer equal opportunities and encourage training and further professional development.

Forschungszentrum Jülich is located near the town of Jülich, close to the university cities Aachen, Bonn, Cologne and Düsseldorf. The proximity of Jülich to the Netherlands, Belgium and Luxemburg as well as about 1000 international guest scientists per year from 39 countries per year add to an excellent and inspiring training environment.

German language courses are organised in the context of our in-house training programme and are free of charge.

Contact:

Gabriele Weiland
Corporate Development (UE)
Forschungszentrum Jülich GmbH
D-52425 Jülich, Germany
Phone:+49 – (0)2461 – 61.3388
e-mail:g.weiland@fz-juelich.de
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<tbody>
<tr>
<td>Institute of Neuroscience and Medicine, Molecular Organization of the Brain</td>
<td>Prof. Andreas Bauer Dr. Simone Beer</td>
<td>1</td>
<td>Physics, Mathematics, Biomedical Engineering, Computer Science</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** 01. October – 20. December 2017

**Institute’s focal research areas**

Positron Emission Tomography (PET) is a non-invasive technique for studying in vivo tracer pharmacokinetics and metabolism. High resolution animal PET is used e.g. for receptor studies in brain research, where the best possible image quality and quantitative accuracy is required. The combination of PET with Computer Tomography (CT) gives additional and complementary information about the anatomy.

The focus for the scholarship project is to take part in the development of methodology to provide the best possible image quality and quantitative accuracy for high-resolution PET and combined PET/CT. The work may involve computer modeling and simulation, the development of dedicated imaging strategies, image reconstruction algorithms or statistical analysis.

PET is multi-disciplinary, so that the projects offer the opportunity to experience collaborative research and teamwork among various disciplines from chemistry, physics, engineering and mathematics to biology and (pre)clinical research.

The hosting group “Molecular Neuroimaging” comprises physicians, biologists, physicists and several technicians. Currently, the working group operates a combined PET, CT and SPECT scanner for small animal imaging as well as laboratory facilities for in vitro techniques (e.g. autoradiography) and extensive analytical processes as parts of PET imaging studies.

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<tr>
<th>Institute of Complex Systems, Theoretical Soft Matter and Biophysics</th>
<th>Institute Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
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<tbody>
<tr>
<td>Institute</td>
<td>Dr. Thorsten Auth</td>
<td>1</td>
<td>Physics, Chemistry, Biology, Computer Science</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:** 2 May to 30 November 2017

**Institute’s focal research areas**
The student will perform numerical calculations to study interface-mediated interactions between particles: this can either be interactions of particles at liquid-gas interfaces or interactions of particles that are attached to lipid-bilayer membranes. Our main interests are membrane-mediated interactions that are particularly important from a biological point of view. Examples are viral budding, the entry of parasites into a cell, and the interaction of nanoparticles bound to cell membranes.

From a technical point of view, both systems are closely related and can be investigated using triangulated surfaces. We will employ the program package „Surface Evolver“, therefore knowledge of a programming language is not required, but can be helpful. However, basic knowledge of Linux, bash scripting, as well as of a plotting program such as gnuplot are necessary prerequisites. The details of the project and the work plan for the student will be adjusted according to the area of study of the applicant.
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</thead>
<tbody>
<tr>
<td>Theory of Materials</td>
<td>Prof. Dr. Samir Lounis</td>
<td>1</td>
<td>Physics, Condensed Matter Theory</td>
<td>M or P</td>
</tr>
</tbody>
</table>

**Time frame:** September – December 2017

**Institute’s focal research areas**

- Theoretical description of spin dynamics in Nano systems:
  1. Introduction to the topic and literature search
  2. Selection and preparation of the theoretical model
  3. Implementation, coding and application of the model
  4. Analysis of the results and writing a research report
The Excellence Initiative of the German federal and state governments provided a huge boost to the further development of RWTH Aachen University. The institutional strategy on which the successful Excellence Initiative application was based has, in the meantime, been expanded to form a long-term strategy to strengthen all the areas of the University and enhance their profiles. In the process it has gained great momentum, which can be seen, among other things, in the extensive building activities.

Visible evidence of this is the RWTH Aachen Campus that is being developed in close cooperation with industry and which is to form one of the largest research campuses in Europe. Students and employees of RWTH Aachen will benefit equally from these developments and are expressly invited to get involved in shaping the individual initiatives.

The many stimulating ideas already have an impact on the whole urban region of Aachen and the entire tri-border area of Germany, Belgium and the Netherlands. An innovative knowledge community is evolving that is closely networked with some of the world’s leading research and industry partners.

RWTH Aachen is a major driving force behind this development. And Aachen, as a liveable and lovable city at the crossroads of three cultures, provides an ideal environment for this creative process of development.

With its 260 institutes in nine faculties, RWTH Aachen is among the leading European scientific and research institutions. 44,517 students in 152 courses of study are registered for the winter semester of 2015/16, including 8,556 international students from 128 countries.

https://www.rwth-aachen.de

Contact: Barbara Schray, International Office
Head of Division Student and Scholar
Templergraben 57
50062 Aachen
Tel.: 0241-80-90667
Barbara.schray@zhv-rwth-aachen.de
<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute for Biology</td>
<td>Prof. Wagner</td>
<td>1</td>
<td>Neurobiology</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** May to December 2017

**Institute’s focal research areas**: We work on visual and auditory orientation of barn owl. We are looking for someone who would interest to work with a postdoc or graduate student in one of our projects.
University of Cologne

The University of Cologne was founded in 1388 and is one of the oldest and largest universities in Germany. The six faculties offer students a wide range of subjects as well as a great variety in choice and combination of courses and disciplines. The University of Cologne is popular not only due to the diversity of academic opportunities but also to the unique atmosphere of Cologne itself. Also by tradition, the university is internationally oriented and closely cooperates with institutions worldwide. The internationalization of teaching and research can be seen through joint programs with universities and colleges from abroad, double degree programmes, graduate schools, summer schools, short-time programmes, the binding of the (German and international) alumni. An important aspect of the strong international position of our university is the recruitment of qualified international students. Students who expect and fulfil high standards at the university will find best studying conditions here. In 2012, the University of Cologne was distinguished by the German Excellence Initiative, and now belongs to the small group of elite universities in Germany.

The University of Cologne offers German language courses for international students. They are taught by our German as a Foreign Language Department. Scholarship holders can participate in the pre-semester intensive language courses which take place in March / September or in the semester courses (April to July / October to February respectively). These courses are offered also for beginners’ level; in case of successful completion participants can obtain credit points. The number of places is limited. Registration for the courses takes place through the International Office of the University.

www.uni-koeln.de

Contact: Dr. Stefan Bildhauer (Mr.), Director of International Affairs
Daniela Simut (Ms.)
Tel.: 0221-470-2382, -1340
s.bildhauer@verw.uni-koeln.de
d.simut@verw.uni-koeln.de
<table>
<thead>
<tr>
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<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>History Seminar</td>
<td>Prof. Dr. Werner Eck</td>
<td>1</td>
<td>Classics-Ancient History – Jewish Studies</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:** May to December 2017

**Institute’s focal research areas**
Ancient History including Greek and Roman Imperial History, History of the region in ancient times, Epigraphy.
<table>
<thead>
<tr>
<th>Institute</th>
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<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (M = Master, P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute of Neuropathology</td>
<td>Prof. Martina Deckert</td>
<td>1</td>
<td>Biology, Molecular Biology, Medicine, Veterinary Medicine, Neuroscience, Neuroimmunology Immunology</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** Period of three months in 2017 (January to July, September to December)

**Institute’s focal research areas**

The major focus of our research is in the field of primary lymphomas of the central nervous system (PCNSL). The pathogenesis of this specific lymphoma entity in the CNS is addressed by genotypic and phenotypic studies of biopsies from patients with PCNSL. Various molecular, genetic, immunologic and morphological techniques are applied. In addition, the pathogenesis of PCNSL is studied in preclinical animal models of human PCNSL in which the functional role of individual pathogenetic factors can be dissected specifically. During the scholarship, candidates will get an overview on the clinical and diagnostic issues of PCNSL and can learn how to perform scientific analyses in a clinically relevant disease to contribute to a better understanding of the pathogenesis of PCNSL which might also be of future therapeutic relevance.

In particular, scholars will be introduced into morphological and molecular techniques applied in our laboratory (immunohistochemistry, PCR, RT-PCR, cloning, sequencing).
<table>
<thead>
<tr>
<th># 3</th>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Department of Criminal Law and Criminal Procedure Law</td>
<td>Prof. Dr. Martin Wassmer</td>
<td>1</td>
<td>Criminal Law; Criminal Procedure Law</td>
<td>B, M</td>
</tr>
<tr>
<td></td>
<td><strong>Time frame:</strong></td>
<td></td>
<td></td>
<td><strong>May - December 2017 (from 8 to 12 weeks)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Institute’s focal research areas</strong></td>
<td></td>
<td></td>
<td>Criminal Law; Criminal Procedure Law</td>
<td></td>
</tr>
</tbody>
</table>

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<tr>
<th># 4</th>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dept. f. Media and Technology Management</td>
<td>Prof. Dr. C. Loebbecke, M.B.A.</td>
<td>1</td>
<td>Business / IS / New Media</td>
<td>M, P</td>
</tr>
<tr>
<td></td>
<td><strong>Time frame:</strong></td>
<td></td>
<td></td>
<td><strong>Students are welcome during semester (April to mid July 2017 respectively October to December 2017) or during semester breaks</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Institute’s focal research areas</strong></td>
<td></td>
<td></td>
<td>PhD: Broad array of research methods in IS / IT / Telecom -- aim to pursue joint publication</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PhD / Master: Business Plan Development / IT-, New Media-, Telecom Market analysis</td>
<td></td>
</tr>
</tbody>
</table>
University of Muenster

The University of Muenster (WWU Muenster) has developed a strong research profile in natural sciences, the humanities, medicine, law and business administration. The WWU Muenster is one of the biggest universities in Germany and has 15 Departments in 7 Faculties. Founded in 1780, the WWU is also a university with a long tradition in teaching and research.

http://www.uni-muenster.de/en/

The language center of the University of Münster offers language classes at different dates throughout the whole year. You will find more information on the dates and the requirements here: http://spz.uni-muenster.de/en/daf

Contacts: Elisabeth Schattke / Dr. Petra Hille
International Office
Westfaelische Wilhelms-Universitaet Muenster,
Schlossplatz 3, 49149 Muenster, Germany
elisabeth.schattke@wwu.de, Tel. 0251/ 83- 22459;
petra.hille@wwu.de, Tel.: 0251/ 83-22255
<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center for Eastern Mediterranean Studies</td>
<td>Prof. Dr. Reinhard Achenbach</td>
<td>1</td>
<td>Religious Studies, Jewish Studies, Coptic Studies, Ancient History; Archaeology; Oriental Studies</td>
<td>M, P</td>
</tr>
<tr>
<td></td>
<td>Dr. Nikola Moustakis</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Time frame:** whole academic year; please note that in July, August and September most scholars are not on location because of holidays and fieldworks.

**Institute’s focal research areas**
The focus of research is on religious, historical, cultural, social and economic themes concerning the ancient Eastern Mediterranean region.

The scholarship holder can use the excellent libraries, make contact with the scholars of the Center of Eastern Mediterranean Studies to discuss his/her thesis and visit the regular courses (please note: the language of instruction is German).

German language courses are offered by the University of Muenster (see above) and are strongly recommended to scholarship holders who don’t know any or just a little German.
### # 2

<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (M = Master, P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institutum Judaicum</td>
<td>Prof. Dr. Lutz Doering</td>
<td>2</td>
<td>Jewish Studies, Jewish History, Talmud, Ancient Jewish Literature, Mediterranean Religions and related subjects</td>
<td>B, M</td>
</tr>
</tbody>
</table>

**Time frame:** 2. May – 22. December 2017

**Institute’s focal research areas**
Ancient Judaism and its cultural, political, and religious context (Greece, Rome, early Christianity)

### # 3

<table>
<thead>
<tr>
<th>Institute</th>
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<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Physics</td>
<td>Prof. Dr. Helmut Zacharias</td>
<td>1</td>
<td>Physical chemistry, nanoscience</td>
<td>M</td>
</tr>
</tbody>
</table>

**Time frame:** May – December 2017

**Institute’s focal research areas**
Self-organization, functional organic films
<table>
<thead>
<tr>
<th># 4</th>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Institute of Material Physics</td>
<td>PD Dr. Sergiy Divinski</td>
<td>1</td>
<td>Material physic and diffusion processes</td>
<td>B, M</td>
</tr>
<tr>
<td></td>
<td><strong>Time frame:</strong></td>
<td>May – November 2017</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Institute’s focal research areas</strong></td>
<td>Measurements of diffusion in nano-scaled materials, determination of calorimetric effects during heating of severe deformed materials, investigation of mechanical properties of deformed materials</td>
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<tr>
<th># 5</th>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</th>
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<tbody>
<tr>
<td></td>
<td>AFO Research Transfer</td>
<td>Dr. Wilhelm Bauhus</td>
<td>1</td>
<td>All of them</td>
<td>B, M</td>
</tr>
<tr>
<td></td>
<td><strong>Time frame:</strong></td>
<td>September – December 2017</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Institute’s focal research areas</strong></td>
<td>Science and Technology Transfer, strategies and methodologies for citizen science and Co creation.</td>
<td></td>
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<tr>
<td>Institute</td>
<td>Contact at the institute</td>
<td>Number of places</td>
<td>Discipline or subject area</td>
<td>Scholars’ degree program (B = Bachelor; M = Master; P = PhD)</td>
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</tr>
<tr>
<td>Institute for Theoretical Physics Research Transfer</td>
<td>Prof. Dr. Uwe Thiele</td>
<td>1</td>
<td>Physics, Appl. Math or related</td>
<td>M</td>
<td></td>
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<tr>
<td><strong>Time frame:</strong></td>
<td></td>
<td></td>
<td></td>
<td>MAY – July or September – December 2017</td>
<td></td>
</tr>
<tr>
<td><strong>Institute’s focal research areas</strong></td>
<td></td>
<td></td>
<td></td>
<td>Modelling of Control mechanisms for menisci of and deposition from simple and complex liquids on solid substrates – the case of surface acoustic waves.</td>
<td></td>
</tr>
</tbody>
</table>
Institute | Contact at the institute | Number of places | Discipline or subject area | Scholars’ degree program (B = Bachelor; M = Master; P = PhD)  
Institute for Applied Physi | Prof. Dr. Cornelia Denz | 1 | Physics; Optics; El. Engineering | M, P  

**Time frame:** June – October 2017  

**Institute’s focal research areas**  
Working language: English or German.  
Photonics – applications of optics in information processing, biology and medicine – has recently achieved a highly developed state that allows considering the actual century as the “century of the photon” that displaces the last century - the “century of the electron”. Photronics is therefore one of the most promising technologies of the future, and driving motor for many industry applications of optical technologies which are nowadays already used e.g. in optical data storage as for CDs and DVDs, in optical illumination with LEDs or OLEDs, or in optical communication using optical fibers.  
Nonlinear optical effects allow amplifying, controlling, and steering light in order to realize complex information processing tasks. They require the understanding and control of nonlinear effects as well as tailoring light for the purpose of application. Using nonlinear optical processing features, we can use light as the carrier of information of the future.  
Our actual research activities are centered around this vision, based on two major focus lines - nonlinear optical applications in information, biology and medicine, and photonic circuits by light is guiding light.  
In this field, we are offering places for PhD students or Master students in the following fields:  
- Optimization of organic solar cells by surface structuring  
- Investigations of cell elasticity by optical tweezers  
- Development of tailored light fields for holographic optical trapping  
- Sculpted light for the investigation of singular optics  
- Realization of polymer structures by dielectrophoresis  
- Nonlinear light localization in photonic crystal structures  
- Nondiffracting beams as tools for photonic lattices  
- Creating 3D nonlinear photonic spiral lattices  
- Nonlinear integrated optics by direct femtosecond laser writing  
- Nonlinear microscopy  
- Grating-assisted nonlinear frequency conversion
Muenster University of Applied Sciences

The University of Applied Sciences (MUAS) was founded in 1971 out of public and private schools and has developed to a modern, achievement-oriented and science-oriented university. MUAS is with around 12,700 students and 14 faculties/central research institutions one of the biggest institutions of its kind in Germany. The departments and institutions are located at different places in Münster and Steinfurt.

A Welcome Service for foreign students is offered to make students’ life easier and to integrate them successfully into everyday life at the university.

The University of Applied Sciences Münster offers language courses from A2 –B2.

Internet: www.fh-muenster.de

Contact: International Office
Nadine Pantel
Johann-Krane-Weg 25
48149 Münster
Phone +49 251 8364119
Email: Nadine.pantel@fh-muenster.de
<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (M = Master, P = PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Mechanical Engineering Laboratory for Thermal and Power Engineering</td>
<td>Prof. Dr.-Ing. habil. Stefan aus der Wiesche</td>
<td>1</td>
<td>Mechanical Engineering</td>
<td>B, M, P (possible together with the University of Paderborn)</td>
</tr>
</tbody>
</table>

**Time frame:** May – December 2017

**Institute’s focal research areas**

All research projects are dealing with fluid mechanics and heat transfer (both experimental and theoretical research).

Every project is linked to a larger research project coordinated by PhD students and research assistants in the lab. The supervision and support of the students is fully ensured.

The following projects are currently open for the present initiative:

- Boiling heat transfer and investigation of microscale flow phenomena
- Convective heat transfer from rotating disks
- Flow separation and reattachment of a turbulent boundary layer

Further information is available (see corresponding internet page of the lab).
University of Paderborn

University of Paderborn is a fully accredited state university offering all types of academic degrees including PhD and postdoctoral lecture qualification.

The university has an academic staff of about 1.000 and offers a wide range of subjects in five faculties: Faculty of Arts and Humanities, Faculty of Business Administration and Economics, Faculty of Science, Faculty of Mechanical Engineering, Faculty of Computer Science, Electrical Engineering and Mathematics.

There are about 19.500 students currently studying at the University, among them about 1500 international students.

www.uni-paderborn.de

Language courses: 4 - weeks crash course of 20 hours per week; starts before the official start of the semester in March and in September (100 €). Another course of 10 hours per week runs during the semester (200 €).

Contact: Ms. Kerstin Ollech

International Office, Universität Paderborn, 33095 Paderborn, Germany
E-Mail: ollech@zv.uni-paderborn.de
Tel.: +49-5251-60-3638
<table>
<thead>
<tr>
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<th>Discipline or subject area</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Chair of Mechatronics and Dynamics</td>
<td>Dr. Tobias Hemsel</td>
<td>1</td>
<td>Mechanical Engineering, Electrical Engineering, Mechatronics</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** Preferably 12 weeks, ending before September 30rd or starting after October 1st.

**Institute’s focal research areas**
- Vibration, Contact Mechanics, and Wear
- Multifunctional Materials, Actuators, and Ultrasound Technology
- Reliability, Safety, and Optimisation
University of Siegen

The University of Siegen is a young, modern institute of higher education located centrally in the area bordering the three German federal states of Hesse, North Rhine-Westphalia and Rhineland-Palatine. The University has four faculties offering a diverse range of subjects. In addition, there are numerous science centres and facilities, as well as IT, language and communications services. 19,300 students are currently enrolled at the University of Siegen, nearly 10% are international students from more than 90 countries.

For language courses please see the link below for further information:
http://www.uni-siegen.de/kosi/angebot/kosi/fremdsprachen/deutsch/?lang=de

Contact: Christine Müller
International Student Affairs
+49 271 740 3907
christine.mueller@zv.uni-siegen.de

<table>
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<tr>
<th># SI 1</th>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B= Bachelor; M= Master; P= PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Department of History</td>
<td>Prof. Dr. Raphaela Averkorn</td>
<td>1</td>
<td>History</td>
<td>B, M</td>
</tr>
</tbody>
</table>

Time frame: May 1st – July 31st, 2016

Institute’s focal research areas

European Integration History, European History, History of the Mediterranean, History of International Relations, Global History, Social History, Economic History, Cultural History, History of Mentalities, Gender History, History of Latin America, History of Historiography

Prof. Averkorn is Programme Director of the international, interdisciplinary MA programme “Roads to Democracy(ies)” and the interdisciplinary MA programme “Internationale Kulturhistorische Studien” (participation in various courses is possible for students in MA programmes).
University of Wuppertal

The University of Wuppertal, founded in 1972, is one of the state universities in North Rhine-Westphalia (NRW), which is economically the most significant German state with an outstanding educational and cultural landscape. The city of Wuppertal, situated close to Düsseldorf and Cologne in a particularly delightful region with wooded hills, meadows, orchards and fields, called the “Bergisches Land”, is an interesting mixture of outgoing metropolis and cosy village with a lot of leisure facilities. From any part of the city it is only a 10 minute walk to the nearest park or shady woodland path.


The University of Wuppertal towers over the city. The main campus enjoys a panoramic view across the town – a perfect environment for developing inspiring ideas and academic projects that will shape the future. Some 20.000 students from more than 100 countries benefit from our high-level academic approaches in teaching, and the university’s commitment to research and international collaboration. Wuppertal University offers a diverse range of programs in science, engineering economics and the humanities, as well as educational science, design and architecture. Our academic culture is marked by diversity, experience and innovation.

Study in Germany – Join us in Wuppertal!
http://www.internationales.uni-wuppertal.de/en/incoming/international-students.html
www.uni-wuppertal.de

Our Language Center “Sprachlehrinstitut –SLI”
http://www.sli.uni-wuppertal.de/en/germanasforeignlang.html offers the following courses of German as a foreign language:

- **Intensive German Courses** for perspective students
  Levels: A1 (beginners) to C1b (advanced). Weekdays daily beginning in April and October each year with 30 hours per week. Tuition 300 Euro/semester
- **German Course for Guest and Exchange Students** September 5 to 30, 2016 (“Survival German” + advanced level)
- **Lecture course „German Grammar“**
  (Level: B2 upward), 2 hours per week
- **German for Business and Economics**
  (Level: advanced), 2 hours per week
- **German for Humanities and Social Sciences**
  (Level: advanced), 2 hours per week
- **German for Science and Technology**
  (Level: advanced), 2 hours per week
Contact:

Andrea Bieck
Head of International Office
Bergische Universitaet Wuppertal
Gauss-Str. 20, D – 42097 Wuppertal
Phone: +49 (0) 202 439 2181 / Fax: +49 (0)202 4393856
Email: bieck@uni-wuppertal.de
www.internationales.uni-wuppertal.de
<table>
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<tr>
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<th>Discipline or subject area</th>
<th>Scholars’ degree program (B= Bachelor; M= Master; P= PhD)</th>
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</thead>
<tbody>
<tr>
<td>Center for International Studies in Social Policy and Social Services</td>
<td>Prof. Dr. Heinz Suenker</td>
<td>1</td>
<td>Social Sciences; Education; Social Policy; Social Work; Migration; Gender; Social Sciences and Law</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:**
May to July or October to December 2017

**Institute’s focal research areas**
The center deals with theory, politics and practices in political and welfare institutions, in education and social services. We offer a broad range of topics with respect to comparative questions.
<table>
<thead>
<tr>
<th>Institute</th>
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<th>Discipline or subject area</th>
<th>Scholars’ degree program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research group Experimental Particle Physics</td>
<td>Prof. Dr. Wolfgang Wagner</td>
<td>1</td>
<td>Physics</td>
<td>B, M, P</td>
</tr>
</tbody>
</table>

**Time frame:** May 1\(^{st}\) to November 30\(^{th}\) 2017

**Institute's focal research areas**

Our group does research in the field of elementary particle physics with the ATLAS detector at the Large Hadron Collider (LHC) at the European Centre for Nuclear Research (CERN).

The students can choose from two projects:

a) data analysis in top quark physics, or

b) digital electronics for detector readout.

In the analysis project, the student will work on studies based on simulated events, preparing analyses to search for additional (new) heavy particles which decay to top quarks. The aim is to obtain a basic understanding of the event kinematics depending on the mass of the new particle. Alternatively, the student can also choose to work on studies supporting a high precision measurement of the top-quark mass in single top-quark events observed with the ATLAS detector.

In the hardware project, the student will work together with researchers preparing a future upgrade of the ATLAS pixel detector to cope with higher readout bandwidth. The student will learn how to layout a small printed circuit board used at a test stand we operate here in Wuppertal. The test setup mimics conditions expected at the high luminosity LHC regarding the data rates and is based on hardware built for a recent upgrade of the ATLAS pixel detector.
<table>
<thead>
<tr>
<th>Institute</th>
<th>Contact at the institute</th>
<th>Number of places</th>
<th>Discipline or subject area</th>
<th>Scholars’ degree program (B= Bachelor; M= Master; P= PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanocal Engineering – Engineering Design</td>
<td>Prof. Dr. Peter Gust</td>
<td>1</td>
<td>Mechanical Engineering</td>
<td>M, P</td>
</tr>
</tbody>
</table>

**Time frame:** April to mid July 2017

**Institute’s focal research areas**
- Robust design of mechatronic products
- Product Development: Methods and tools
- Quality management in development
- Knowledge management with Wiki systems,
- Development of multi-articular systems
- Tolerance analyses and tolerance management