Structured Approaches to Academic Careers
CONTENTS

5 Freie Universität Berlin
6 Dahlem Research School: an Overview
8 Professional Development and Career Support for Junior Researchers
12 Postdoc Fellowship Program
14 Doctoral Education in Germany
16 Doctoral Degree Programs of Dahlem Research School

16 Humanities and Social Sciences
17 BDPEMS - Berlin Doctoral Program in Economics and Management Science
18 Berlin Graduate School for Transnational Studies
18 Berlin Graduate School Muslim Cultures and Societies
19 Berlin Graduate School of Ancient Studies
21 Doctoral Program in Business Research
22 Friedrich Schlegel Graduate School of Literary Studies
23 Graduate School of East Asian Studies
24 Graduate School of Global Politics
24 Graduate School of North American Studies
25 History and Cultural Studies
26 Interart Studies
26 International Max Planck Research School on the Life Course (LIFE)
27 Languages of Emotion
28 Latin American Studies from a Comparative and Transregional Perspective
29 Notational Iconicity
29 Research on Organizational Paths (Pfadkolleg)

30 Natural and Life Sciences
31 Berlin-Brandenburg School for Regenerative Therapies
31 Berlin Mathematical School
32 Berlin School of Integrative Oncology
33 Biomedical Sciences
33 GeoSim - Explorative Simulation in Earth Sciences
34 Graduate School Plant Sciences
35 IMMUCO - Chronic Inflammatory Diseases
36 International Max Planck Research School for Computational Biology and Scientific Computing
36 Materials Science for Solar Energy Conversion
37 Molecular Science
37 MyoGRAD – International Research Training Group for Myology
»Both its historical legacy and contemporary political and cultural importance make Berlin a uniquely exciting place to do work in the social sciences. Coming from the USA, I appreciate the opportunities to work in this dynamic environment that is so well connected with the wider international community. At Freie Universität Berlin, I have been able to organize some very exciting collaborations by hosting international visiting scholars or organizing the kind of small scale workshops that allow for genuine dialogue on topics at the cutting edge of research. Many of our projects also bring together different disciplines such as business with area studies, political science, or sociology. These sorts of collaborations that draw on networks across different countries and disciplines are an excellent foundation for advancing internationally comparative social sciences that are very much needed in the face of current challenges of global governance.«
Freie Universität Berlin is a young, dynamic university located in one of the leading cities for science and R&D in Europe. It is well connected with the international research community around the globe. Young researchers here have the unique opportunity of tapping the resources of the many nearby research institutions to pursue innovative research while also enjoying the social and cultural life of Germany’s vibrant capital.

The research strength of Freie Universität Berlin significantly contributes to the attractiveness and profile of the Berlin-Brandenburg academic region. At the same time cooperation with strong regional partners enables innovative research at Freie Universität Berlin – through linking complementary research competencies, operating joined laboratories, sharing access to archives and further infrastructures as well as creating an attractive research environment for outstanding young researchers.

Key objectives are:

- to strengthen the university’s networks in the areas of research, support for early-career researchers, and international cooperation,
- to support the regional and international focus of the humanities and social sciences at Freie Universität, in particular in the field of area studies, e.g. on Latin America and North America, East Asia, and Eastern Europe,
- to recruit outstanding researchers and doctoral candidates from abroad,
- to educate students and support junior researchers whose international experiences guide them in acting with responsibility – based on a global perspective, intellectual freedom, and core ethical values.
DAHLEM RESEARCH SCHOOL: AN OVERVIEW

As the center for junior researchers, Dahlem Research School (DRS) has established an overarching framework for structured graduate education at Freie Universität Berlin. It ensures the academic quality and integrity of its doctoral degree programs and provides comprehensive training for its doctoral and postdoctoral researchers at every stage of their graduate careers.

Doctoral Degree Programs

Dahlem Research School offers a course program to its doctoral candidates preparing them to engage in research and teaching across traditional disciplinary boundaries in doctoral degree programs in a wide range of subject areas. Currently, almost 900 doctoral candidates pursue research in 27 highly competitive doctoral degree programs within the following subject groups: Humanities, Social Sciences, Natural and Life Sciences.

Professional Development and Career Support

Junior researchers at DRS benefit from an excellent training and educational environment where they can develop their full potential and achieve their academic and professional goals.

The Professional Development Program consists of two core elements: Transferable Skills Training and Career Development. The Academic Profile Development Program offers support to postdoctoral researchers in career development on the way to a professorship. Junior researchers with a doctoral degree can participate in training courses and peer coaching sessions in three areas: Career Management, Leadership and Teaching.
DRS Postdoc Fellowship Program

The DRS Postdoc Fellowship Program provides funding for outstanding postdoctoral fellows with international research experience to conduct their own research project within one of the university’s excellent research groups.

Quality Management

To enhance the quality of structured doctoral education, Dahlem Research School has implemented a series of quality assurance measures. These measures focus on doctoral candidates, doctoral degree programs and the DRS. Doctoral degree programs may apply for membership, if they develop regulations for their doctoral programs according to the DRS Standard Regulations including:

- Admission requirements, application and selection procedures
- Standard components and duration of the doctoral program, language(s)
- Organization of the program and responsibilities
- Exemplary curriculum including key competences to be acquired
- Joint supervision and supervisory agreement
- Regular monitoring of the candidates’ progress.

Furthermore, DRS programs are asked to provide evidence of sustainability, e.g., regarding acquisition of funding. The programs are assessed every two to three years and the continuation of membership is based upon the evaluation results.

<table>
<thead>
<tr>
<th>Doctoral programs</th>
<th>27</th>
</tr>
</thead>
<tbody>
<tr>
<td>... projects within doctoral programs</td>
<td>57</td>
</tr>
<tr>
<td>DRS doctoral candidates</td>
<td>866</td>
</tr>
<tr>
<td>... of which are women</td>
<td>450 (52 %)</td>
</tr>
<tr>
<td>International doctoral candidates</td>
<td>330 (38 %)</td>
</tr>
<tr>
<td>Graduations in 2013</td>
<td>106</td>
</tr>
<tr>
<td>Postdocs in DRS programs</td>
<td>89</td>
</tr>
<tr>
<td>... of which are women</td>
<td>44 (49,4 %)</td>
</tr>
<tr>
<td>Professional Development Courses (Winter Term 2012/13 and Summer Term 2013)</td>
<td>106</td>
</tr>
</tbody>
</table>

Welcome Website and Welcome Week Orientation

The DRS Welcome Website for international junior researchers provides useful advice and information on all non-academic issues relevant to a research stay at Freie Universität Berlin. Welcome Week Orientation offers a great opportunity to meet fellow doctoral students and postdoctoral fellows and to start getting connected on campus. It features a series of activities designed to help make the transition to Freie Universität Berlin as smooth as possible.
»Dahlem Research School is an excellent initiative providing doctoral students with the relevant skills and competencies. I really enjoyed the “Networking at Conferences” workshop because of new insights on how to build professional relationships with people who share similar ideas and areas of academic interest. I can recommend this workshop especially to those doctoral students who desire to pursue a career in academia.«

Joseph Lengmang from Nigeria, doctoral candidate at Berlin Graduate School for Transnational Studies (BTS)

PROFESSIONAL DEVELOPMENT AND CAREER SUPPORT FOR JUNIOR RESEARCHERS

Dahlem Research School is the main unit of Freie Universität for the PROFESSIONAL DEVELOPMENT AND THE CAREER SUPPORT for junior researchers. DRS fosters personal and professional development at every stage of a graduate career. The qualification program prepares young researchers for a career in academia as well as for a career outside university.

The Professional Development Program targets doctoral candidates and postdoctoral researchers preparing for a career in high-level international research, in industry or the public sector. The Academic Profile Development Program targets doctorate holders aiming at a career in academia.

PROFESSIONAL DEVELOPMENT

Junior researchers at DRS benefit from a stimulating research environment, a wide range of educational programs, as well as valuable networking opportunities transcending the boundaries of disciplines, departments and institutions.

The DRS Professional Development Program is designed to provide junior researchers with the tools necessary to succeed in their research project, to enhance their competencies and maximize their potential to prepare for a career in high-level international research, or as expert advisors, in academia or beyond. It consists of two core elements:

1. Transferable Skills Training
2. Career Development
Being in a graduate school provides me with many opportunities for further education which helps me in my research but also for my future career. I very much enjoy meeting new people within the BSRT but also beyond graduate school when I participate in transferable skills courses organised by the Dahlem Research School.

Transferable Skills Training
Transferable Skills Training aims to enhance academic performance skills and management competencies beyond the academic training provided by the doctoral program's disciplinary curriculum.

Career Development
For junior researchers professional skills are essential to be able to take ownership for and manage one's career progression, set realistic and achievable career goals, and identify and develop ways to improve employability.

Dahlem Research School supports career-related development by providing an extensive workshop program and showing alternatives at an early stage. Career Development resources include three activities: training, coaching and mentoring.

Training enriches professional effectiveness by fostering teaching and leadership skills which enable junior researchers to excel in career fields involving managerial responsibility either in academia, industry or the public sector. The training program is also open to advanced researchers at the postdoctoral level.

Coaching in peer groups aims at developing greater self-awareness and reflection during doctoral studies. Junior researchers engaged in teaching discuss their practices with peers in order to develop strategies for improving teaching skills.

Mentoring – Dahlem Research Mentoring (DREAM) – is a mentoring program which aims to support female doctoral candidates in their academic career. Besides mentoring/career coaching sessions mentees and mentors participate in workshops, seminars and networking events.

Open Door Talks
Open Door Talks are a lecture series addressing all junior researchers at Freie Universität Berlin. Experts from different occupational fields share their experiences and discuss how to make the right career move. Other Open Door Talks deal with funding opportunities for research stays abroad or postdoctoral projects.

Career Talks provide a forum for professionals from many different occupational fields who share their individual experiences by revealing key steps and goal setting guidelines to their own career building paths.
CAREER SUPPORT

The DRS Academic Profile Development Program systematically supports postdoctoral researchers in their professional development on the way to a professorship. Junior researchers with a doctoral degree can participate in training courses and peer coaching sessions in three areas: Career Management, Teaching and Leadership.

ACADEMIC PROFILE DEVELOPMENT

The Academic Profile Development Program is a qualification program for junior researchers with a doctoral degree who aspire to attain the position of full professor, who already have an academic position, a project, or a scholarship. The program is part of Freie Universität’s career path model which seeks to support junior researchers systematically in various phases of their professional development.

The program provides postdoctoral researchers with qualifications to give them the best possible support during this challenging phase of their lives and careers on the way to a professorship. It focuses on skills with practical relevance for daily professional life. The trainers and coaches are familiar with science and research and have broad methodological expertise.

The program addresses early postdocs who earned their degree no more than roughly two years ago, experienced postdocs with more than two years of research experience, junior professors and junior research group leaders.
The objectives of the qualification program are:

- Strategic career development
  - Orientation: personal career goals and the external circumstances
  - Career planning
  - Qualification for appointment as a professor: What does it mean and how to attain it?
- Professionalization: current and future tasks; freeing up time for research activities
- Networking with other postdoctoral scholars of Freie Universität at various career stages.

Program participants can register for training courses and peer coaching sessions in three subject areas highlighting various aspects of academic qualifications that are either important on the way to a professorship or could become relevant for a professorship:

1. **Career Management**
   - Paths to an academic career
   - Academic career and life planning
   - Developing and enhancing an academic profile
   - Appointment procedures

2. **Teaching**
   - Theoretical foundations of teaching
   - Methods
   - Planning courses
   - Supervising doctoral candidates

3. **Leadership**
   - Selecting staff
   - Self-management and managing others
   - Team building
   - Conflict management.
POSTDOC FELLOWSHIP PROGRAM

Dahlem Research School offers a high profile Postdoc Fellowship Program designed to foster the further academic career development through:

- integration into excellent research groups and facilitation of new co-operations in a stimulating research environment
- research funding
- the opportunity to develop teaching and leadership skills
- a tailored qualification program including essential professional
guidance on obtaining research funding.

At the end of the funding period, DRS Fellows are expected to submit a grant application for a follow-up research project at Freie Universität Berlin.

Integration into Research Networks

DRS Fellows are integrated into the existing research networks within the university’s joint research projects which give them the opportunity to initiate and expand academic and scientific co-operations in their specific disciplines at an early stage of their career.

During the program, DRS Fellows receive extensive career support, along with access to the DRS Professional Development Program and Academic Profile Development Program.

Support for Fellows

New international DRS Fellows are supported by current DRS Postdocs. in the early days, but also if possible, during their whole stay. "DRS Postdoc Buddies" provide assistance with issues relating to working at Freie Universität Berlin and living in Berlin in general.

Addressing critical stages in the career of junior researchers, Dahlem Research School’s Postdoc Fellowship Program offers the following funding lines:

»Among several factors motivating my application for a DRS Marie Curie COFUND postdoctoral fellowship was the opportunity to undertake innovative research alongside other international researchers at Freie Universität, and those working in the array of cultural heritage institutions in Berlin. The Dahlem Research School has provided valuable support through orientation sessions, opportunities to take German courses, project management and grant writing workshops. The COFUND programme has enabled me to successfully undertake a substantial piece of new research, disseminate results at international conferences and workshops in Germany, the UK and Egypt and through forthcoming publications, as well as secure a follow-on Senior Fellowship with Excellence Cluster TOPOI – The Formation and Transformation of Space and Knowledge in Ancient Civilization.«

Dr Kathryn E. Piquette from USA, DRS fellow 2012–2013 at Topoi
I had a great experience in the DRS COFUND fellowship program whose staff did a lot of work to support my research here, and were particularly kind and efficient throughout the process. They made my overseas life very easy and warm. I greatly appreciated to work with my supervisors at the China Institute, and I am extremely grateful for their generosity, guidance and support in this program. My next research project will benefit greatly from their advice.

HONORS Fellowship
Bridge funding for the transition between the doctorate and the first postdoctoral position for exceptional doctoral candidates in DRS programs

POINT Fellowship
Funding for outstanding postdoctoral fellows with a minimum of two years of international research experience to conduct a research project within one of the university’s research Focus Areas or Excellence Programs

DRS Fellows are selected in a five-step procedure: eligibility check and feasibility screening, international peer review, structured interviews, final ranking, and approval by the university’s Executive Board.
DOCTORAL EDUCATION IN GERMANY

What is a Doctorate?
A doctorate is the first stage of engaging in independent research and the qualification step necessary for a career in academia. Doctoral candidates are normally involved in a research project under the supervision of a professor.

The results of research carried out to earn a doctorate must be summarized in a doctoral dissertation; in some disciplines, the written thesis may take the form of a collection of articles previously published in peer-reviewed academic journals. An oral exam follows the dissertation at which the dissertation is defended (Disputation). After passing these examinations, the dissertation must be published before the doctoral candidate receives the final diploma and is permitted to use the doctoral title.

There are two ways to earn a doctorate at Freie Universität Berlin:

- Individual traditional doctorate
- Structured doctorate in a doctoral degree program

What is an Individual Doctorate?
The individual doctorate under supervision of a professor usually provides greater freedom as far as the choice of subject is concerned. An individual doctorate can principally be accomplished in any subject area represented by a professorship at Freie Universität Berlin.

University professors, junior professors, and lecturers with a Habilitation at Freie Universität are entitled to supervise doctoral studies. When a professor has agreed to become the supervisor, the doctoral candidate has to ask for formal application by the Graduate Studies Office of the relevant department.

After having been accepted by the department, doctoral candidates need to enrol at Freie Universität Berlin.
What is a Structured Doctorate?

A structured doctorate is offered by the doctoral degree programs of Freie Universität Berlin. One of the features characteristic for a structured doctorate is the qualification program that accompanies the research phase. The curriculum not only covers scientific methods and theories but also includes courses which aim at the development of professional skills in general. Another characteristic feature is that doctoral candidates are usually supervised by a supervisory team. Frequent exchange with fellow candidates and intensive contact with the supervisory team help develop the project. Contact with the academic community is ensured at an early stage through conference participation and early publication. The normal duration of doctoral studies should not exceed three years.

Applying to a Doctoral Degree Program

In contrast to the traditional doctorate, prospective doctoral candidates apply directly to their chosen doctoral degree program and admission is carried out by the programs themselves. Depending on the structure of the program, admission deadlines are once or twice a year at fixed dates and vary from program to program. After being admitted to a doctoral program, the next step is to apply for admission to the department the primary supervisor belongs to. Finally, accepted doctoral candidates must formally enrol as doctoral candidates at Freie Universität Berlin.

Costs

Tuition is free for all doctoral programs at Freie Universität Berlin; however, all doctoral candidates have to pay administrative fees (Semesterbeitrag). Fees amount to about 290 € per semester and include the costs for public transportation in Berlin (Semesterticket).

Language Requirements

The languages acknowledged by the respective department for the doctoral thesis and the viva are determined by the Rules and Regulations for Doctoral Studies.
DOCTORAL DEGREE PROGRAMS OF DAHLEM RESEARCH SCHOOL

Humanities and Social Sciences
BDPEMS - Berlin Doctoral Program in Economics and Management Science
Berlin Graduate School for Transnational Studies
Berlin Graduate School Muslim Cultures and Societies
Berlin Graduate School of Ancient Studies
Doctoral Program in Business Research
Friedrich Schlegel Graduate School of Literary Studies
Graduate School of East Asian Studies
Graduate School of Global Politics
Graduate School of North American Studies
History and Cultural Studies
Interart Studies
International Max Planck Research School on the Life Course (LIFE)
Languages of Emotion
Latin American Studies from a Comparative and Transregional Perspective
Notational Iconicity
Research on Organizational Paths (Pfadkolleg)
Key Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission</td>
<td>10-20 doctoral candidates per year; scholarships: 5-10 per year</td>
</tr>
<tr>
<td>Start of Program</td>
<td>October</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>March</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
</tbody>
</table>

BDPEMS – BERLIN DOCTORAL PROGRAM
IN ECONOMICS AND MANAGEMENT SCIENCE

Research Focus

Building on Berlin’s unique and manifold academic environment, the Berlin Doctoral Program in Economics and Management Science (BDPEMS) provides outstanding PhD candidates with state-of-the-art training in economics, finance, econometrics, and management science. It brings together expertise and excellence from all major universities and research institutions in Berlin.

BDPEMS offers a structured doctoral education with individual research beginning at an early stage. A broad network of institutions and researchers cooperates with the DIW Graduate Center and the following partner programs:

- Research Training Group Interdependencies in the Regulation of Markets
- International Research Training Group High Dimensional Non Stationary Time Series.

Disciplines

The program follows leading international standards with an emphasis on rigorous analytical methods and quantitative analysis preparing students for cutting-edge research in a broad range of fields. It provides core education in macroeconomics, microeconomics, management science, and econometrics.

Partner Institutions

Humboldt-Universität zu Berlin; Freie Universität Berlin; Technische Universität Berlin; European School of Management and Technology; Wissenschaftszentrum Berlin für Sozialforschung (WZB); DIW Graduate Center
BERLIN GRADUATE SCHOOL FOR TRANSNATIONAL STUDIES

Research Focus
Dissertation topics engage in one of the following four research areas:
1. Causes and consequences of globalisation
2. Governance challenges
3. Comparative analysis of regional structures
4. The EU as a transnational policy

Disciplines
Economics, History, Law, Political Science, Regional Studies, Sociology

Partner Institutions
Social Science Research Center, Berlin (WZB); Hertie School of Governance, Berlin; Hebrew University, Jerusalem

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>10 to 15 doctoral candidates per year; scholarships are available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>September 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>February 1</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.transnationalstudies.eu">www.transnationalstudies.eu</a></td>
</tr>
</tbody>
</table>

BERLIN GRADUATE SCHOOL
MUSLIM CULTURES AND SOCIETIES

Research Focus
The Berlin Graduate School Muslim Cultures and Societies investigates the plurality, changeability, and global connectedness of Muslim cultures and societies past and present. In a systematic and comparative way, the Graduate School examines concepts, practices, and institutions variously understood as Islamic. Its area of study includes Muslim societies in the Middle East, Africa and Asia as well as Muslim communities in Europe and North America.

Disciplines
Anthropology, Arabic Studies, Asian and African Studies, Comparative Ethics, Geography, History, Islamic Studies, Political Science, Turkology

Partner Institutions
Institute of African and Asian Studies, Humboldt-Universität zu Berlin; Zentrum Moderner Orient, Berlin; Institute for Advanced Study, Berlin; Museum for Islamic Art, Berlin; Bayreuth International Graduate School for African Studies, University of Bayreuth; Aga Khan University, London/Karachi

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>15 doctoral candidates per year; 11 scholarships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>November</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.bgsmcs.fu-berlin.de">www.bgsmcs.fu-berlin.de</a></td>
</tr>
</tbody>
</table>
BERLIN GRADUATE SCHOOL OF ANCIENT STUDIES

Research Focus

Based across two universities and four non-university research institutions, Berlin Graduate School of Ancient Studies offers a broad range of knowledge and education in six structured doctoral programs. The curricula enhance fundamental theoretical and methodological skills and involve doctoral candidates in research projects from the very beginning. Doctoral programs: Ancient Languages and Texts, Landscape Archaeology and Architecture, Material Cultures and Object Studies, History of Ancient Science, Languages and Cultures of the Silk Road, Ancient Philosophy.

Disciplines

Ancient History, Art History, Building History, Central Asian Studies, Classical Archaeology, Climatology, East Asian Studies, Egyptology, Greek and Latin Philology, History of Medicine, History of Religions, History of Science, Landscape Archaeology, Near Eastern Archaeology, Philosophy, Physical Geography, Prehistory, Theology, Turkology

Partner Institutions

Humboldt-Universität zu Berlin; Berlin-Brandenburg Academy of Sciences; German Archaeological Institute, Berlin; Max-Planck-Institute for the History of Science, Berlin; Prussian Heritage Foundation, Berlin; University of Applied Sciences, Berlin; Technische Universität Berlin; Berlin University of the Arts

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>20 to 40 doctoral candidates; 12 scholarships available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>May 15</td>
</tr>
<tr>
<td>Languages</td>
<td>German and English</td>
</tr>
</tbody>
</table>

www.berliner-antike-kolleg.org/bergsas/profil
»Here at the Freie Universität Berlin I am able to study and specialize in assyriology, my field of interest. The DRS workshops provide knowledge and tools for pursuing research. And it is great to be able to work together with so many fellow doctoral candidates from my and other fields.«

Lidewij van de Peut from the Netherlands, doctoral candidate at Berlin Graduate School of Ancient Studies
DOCTORAL PROGRAM IN BUSINESS RESEARCH

Research Focus
The interdepartmental Doctoral Program in Business Research (DPBR) provides training in the design, methods, and publication of research across a range of fields in business studies. It is open to doctoral candidates of the School of Business & Economics. The main elements of the Doctoral Program in Business Research involve team-based supervision and taught courses in the following three areas:

- Theory development
- Research methods
- Professional skills

Disciplines
Business Administration (Management, Marketing, Information Systems and FACTS) and projects of related disciplines with a clear business focus, e.g., Economics, Mathematics, Political Science, Psychology, Sociology, etc.

Participating Departments
Finance, Accounting & Taxation (FACTS); Management; Marketing; Information Systems

Key Information

<table>
<thead>
<tr>
<th>Key Information</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission</td>
<td>not limited</td>
</tr>
<tr>
<td>Start of Program</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>any time</td>
</tr>
<tr>
<td>Languages</td>
<td>German and English</td>
</tr>
</tbody>
</table>

www.wiwiss.fu-berlin.de/en/forschung/dpbr
Lesen heisst den philologischen Trieb befriedigen, sich selbst literarisch affizieren. Aus reiner Philosophie oder Poesie ohne Philologie kann man wohl nicht lesen.

(Friedrich Schlegel)

FRIEDRICH SCHLEGEL GRADUATE SCHOOL OF LITERARY STUDIES

Research Focus

The Schlegel School promotes and supervises theoretically and conceptually outstanding doctoral projects with a specifically philological focus. All projects must apply comparative methods to European, American, Arabic or Asian literatures. Focal points are textual and linguistic phenomena; the methods of diachronic and synchronic comparison of languages, literatures, cultures and media as well as an awareness of the historicity of texts that provides insights into the interrelations between literature and such cultural processes as the generation of meaning, the formation of societies, and the constitution of knowledge.

Disciplines

Arabic, English, German, Dutch, Greek, Latin and Romance Languages and Literatures; Art History, Japanese Studies, North American Studies, Philosophy, Theater and Dance Studies, Film Studies

Key Partner Institutions

Humboldt-Universität zu Berlin; Einstein Stiftung Berlin; University of Cambridge; Johns Hopkins University; University of Chicago, Universität Zürich; École des Hautes Études en Sciences Sociales (EHESS), Paris

www.fsgs.fu-berlin.de
GRADUATE SCHOOL OF EAST ASIAN STUDIES

Research Focus
The Graduate School of East Asian Studies investigates the political, social, economic and cultural change in contemporary East Asia with a central focus on institutions. It combines area studies research on East Asia with methodological training from the social sciences, business and economics, law, humanities, history, and anthropology. The research program is designed to analyze institutional change in East Asia in an interdisciplinary context with partner institutions worldwide.

East Asian Studies
Chinese Studies, Japanese Studies, Korean Studies

Disciplines
Business and Economics, History, Law, Political Science, Social and Cultural Anthropology, Theatre Studies, Environmental Policy

Partner Institutions
Forum Transregional Studies, SWP, DGAP, Fudan University, National Taiwan University, Beijing University, Keio University, Tokyo University, Osaka University, Korea University, Seoul National University, Yonsei University, Harvard University (Edwin O. Reischauer Institute/Fairbank Center for East Asian Research), Columbia University, University of California, etc.

Key Information
<table>
<thead>
<tr>
<th>Admission</th>
<th>12 to 15 doctoral candidates per year; scholarships available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>November 30</td>
</tr>
<tr>
<td>Languages</td>
<td>English, and Chinese, Japanese or Korean</td>
</tr>
</tbody>
</table>

www.geas.fu-berlin.de
GRADUATE SCHOOL OF NORTH AMERICAN STUDIES

Research Focus
Globalization and new transnational dependencies and threats are challenging traditional interpretations of freedom and democracy, transforming the role and function of the United States as an exemplary modern democratic society. The investigation of the historical foundations and possible future developments of the social, economic, and cultural changes facing the USA calls for a cross-disciplinary analysis. The eight research areas of the graduate school are designed to provide a systematic framework for the analysis of developments and changes in post-9/11 American society.

Disciplines
Cultural Studies, Economics, Literature, History, Political Science, Sociology

Partner Institutions
Harvard University, USA; Hertie School of Governance, Berlin; University College Dublin; American Academy, Berlin; Canadian Universities Centre, Berlin

---

GRADUATE SCHOOL OF GLOBAL POLITICS

Research Focus
The German-Chinese Graduate School of Global Politics offers a three-year doctoral degree program focusing on dissertation topics in Global Politics (International Relations) and related Area Studies with a special emphasis on European-Chinese relations. The program is a cooperative endeavour between Freie Universität Berlin and Chinese partner universities. Doctoral work at the GSGP consists of individual research in Germany and China, joint supervision by a team of professors from Freie Universität Berlin and a Chinese partner university, coursework on International Relations theories and methods in social sciences as well as elective courses.

Disciplines
Global Politics (IR), related Area Studies

Partner Institutions
Fudan University, Shanghai; Renmin University, Beijing; Shanghai Academy of Social Sciences; Jinan University, Guangzhou

---

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>up to 10 doctoral candidates per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>January 15</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
<tr>
<td><a href="http://www.cgp-phd.org">www.cgp-phd.org</a></td>
<td></td>
</tr>
</tbody>
</table>

---

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>11 doctoral candidates per year; participation with external funding is possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>January 31</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
<tr>
<td><a href="http://www.gsnas.fu-berlin.de">www.gsnas.fu-berlin.de</a></td>
<td></td>
</tr>
</tbody>
</table>
HISTORY AND CULTURAL STUDIES

Research Focus
Organized by the respective departments of Freie Universität Berlin, the interdepartmental program of History and Cultural Studies has an unusually broad historical and geographic perspective that encompasses the entire spectrum of cultural-history epochs – from prehistoric periods to the present – and includes a great number of European and non-European cultures and regions.
Associated project: Astrofuturism.

Disciplines
Art History, Classics and Archaeology, Catholic Theology, Comparative Religious Ethics, History, Jewish Studies, Oriental and East Asian Studies, Protestant Theology, Religion

Partner Institutions
various, depending on research project

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>Please check the website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>June 15</td>
</tr>
<tr>
<td>Languages</td>
<td>German, English</td>
</tr>
</tbody>
</table>

www.geschkult.fu-berlin.de/studium/promotion/dahlem-research-school
INTERART STUDIES

Research Focus
Engaging in works of art and events of a wide range of time periods, the doctoral program “Interart Studies” aims at devising new methodological approaches to emerging interart phenomena and at creating new aesthetic categories that might adequately describe the tendency in the arts toward multimedialization, hybridization, and performativization. The long-term goal of this field of research is the development of new theories referring to different types of interart phenomena that cannot be grasped by a single discipline within fine arts studies alone.

Disciplines
Art History, Comparative Literature, Cultural Anthropology, Cultural Theory, Film Studies, Musicology, Theater and Dance Studies

Partner Institutions
University of Copenhagen; Goldsmiths College, University of London; Graduate School of Arts and Sciences, Columbia University, New York

INTERNATIONAL MAX PLANCK RESEARCH SCHOOL ON THE LIFE COURSE (LIFE)

Research Focus
The target phenomenon of LIFE is the development of human behavior from infancy to old age. LIFE takes an integrative and interdisciplinary approach to identifying, understanding, and possibly ameliorating the mechanisms and conditions that shape the human life course. It actively promotes international networking and communication as an integral part of graduate training.

Disciplines
Neuroscience, Psychology, Sociology

Partner Institutions
Max Planck Institute for Human Development, Freie Universität Berlin, Humboldt-Universität zu Berlin, University of Michigan, University of Virginia, Universität Zürich
LANGUAGES OF EMOTION

Research Focus
The graduate school focuses on the interdependencies between language and affect. In the most widely discussed models of emotion in more recent psychology, language and cultural sign systems are ignored. Conversely, the current language models in modern linguistics say little or nothing about emotional processes. The Cluster Languages of Emotion aims to reverse this trend.

Disciplines
Anthropology, Arabic Languages and Literature, Art History, Biology, Education, Film Studies, Japanese Philology, Linguistics, Literary Studies, Modern Philologies, Musicology, Philosophy, Political Science, (Neuro-)Psychology, Psychiatry, Religious Studies, Sociology, Theater and Dance Studies

Partner Institutions
Humboldt-Universität zu Berlin; University of Paderborn; Swiss Center of Affective Sciences, Geneva; Vanderbilt University, Nashville, USA

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>no new admissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Languages</td>
<td>German, English</td>
</tr>
</tbody>
</table>

www.languages-of-emotion.de
LATIN AMERICAN STUDIES FROM A COMPARATIVE AND TRANSREGIONAL PERSPECTIVE

Research Focus
The doctoral program deals with Latin American states, cultures, and societies. Doctoral candidates will deepen their knowledge on Latin America by combining different disciplinary perspectives which allows them to interrogate these areas in their interdisciplinary relations. Through its studies program and academic research training, the program offers an interdisciplinary education.

Associated projects: Entre espacios/Zwischen Räumen; desiguALdades.net.

Disciplines
Economics, History, Literary and Cultural Studies, Political Science, Sociology, Social and Cultural Anthropology

Partner Institutions
Humboldt-Universität zu Berlin; Ibero-American Institute, Berlin; University of Potsdam; COLMEX; UNAM

Key Information

<table>
<thead>
<tr>
<th>Key Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission</td>
<td>15 doctoral candidates every three years</td>
</tr>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Languages</td>
<td>German, Spanish, Portuguese, English</td>
</tr>
<tr>
<td><a href="http://www.lai.fu-berlin.de/studium/Promotion/promotionsstudiengang">www.lai.fu-berlin.de/studium/Promotion/promotionsstudiengang</a></td>
<td></td>
</tr>
</tbody>
</table>

© rebel / PIXELIO
NOTATIONAL ICONICITY

Research Focus
The interdisciplinary research training group is dedicated to the study of script and writing in multiple fields within the humanities and human sciences. It supports research that contributes to a change of perspective from a phonographic, language-based concept of writing to an iconographic, language-neutral concept. It brings together scholars interested in the systematic and/or historical investigation of the creative and explorative function of notation and script in societal, religious, intellectual and artistic contexts.

Disciplines
Computer Sciences, Humanities, Mathematics, Philosophy, Psychology

Partner Institutions
Excellence Cluster TOPOI, Berlin; Deutsches Literaturarchiv, Marbach; University of Potsdam; Max Planck Institute for the History of Science, Berlin; National Center of Competence in Research, Basel

RESEARCH ON ORGANIZATIONAL PATHS (PFADKOLLEG)

Research Focus
Why do organizations become inert? How do organizational path dependencies emerge? How can technological paths be broken? How can a new path be created? Pfadkolleg scholars and internationally known path researchers add their expertise to the study program, which emphasizes theories and methods. With an interdisciplinary orientation, also on the part of the professors teaching the program, the Pfadkolleg is quickly becoming the international leading center for path research.

Disciplines
Business Studies, Economics, Political Science, Sociology

Partner Institutions
Judge Institute, University of Cambridge; Stanford University; University of Bologna; Technische Universität Berlin; University of Trier
Natural and Life Sciences
Berlin-Brandenburg School for Regenerative Therapies
Berlin Mathematical School
Berlin School of Integrative Oncology
Biomedical Sciences
GeoSim - Explorative Simulation in Earth Sciences
Graduate School Plant Sciences
IMMUCO – Chronic inflammatory diseases
International Max Planck Research School for Computational Biology and Scientific Computing
Materials Science for Solar Energy Conversion
Molecular Science
MyoGRAD – International Research Training Group for Myology
### BERLIN MATHEMATICAL SCHOOL

**Research Focus**

The Berlin Mathematical School (BMS) is a joint graduate school of the mathematics departments of the three Berlin universities. BMS research is grouped into seven areas:

1. Differential geometry, global analysis, and mathematical physics
2. Algebraic and arithmetic geometry, number theory
3. Probability, statistics, and financial mathematics
4. Discrete mathematics and combinatorial optimization
5. Geometry, topology, and visualization
6. Numerical mathematics and scientific computing
7. Applied analysis and differential equations

**Disciplines**

Mathematics

**Partner Institutions**

MATHEON, Berlin; Weierstrass Institute for Applied Analysis and Stochastics, Berlin; Konrad-Zuse-Zentrum für Informationstechnik, Berlin

---

### BERLIN-BRANDENBURG SCHOOL FOR REGENERATIVE THERAPIES

**Research Focus**

At the Berlin-Brandenburg School for Regenerative Therapies (BSRT), innovative research is conducted in the field of Regenerative Medicine which combines pure science, material science, clinical disciplines, and biotechnology with the goal of repairing or replacing tissues and organs impaired by ageing, trauma, or congenital abnormalities. Regenerative Medicine is an interdisciplinary field of research aiming at stimulating the regenerative potential of the human body.

**Disciplines**

Biochemistry, Cell and Molecular Biology, Chemistry, Engineering, Immunology, Material Sciences, Medicine, Physics

**Partner Institutions**

Charité – Universitätsmedizin Berlin; Humboldt-Universität zu Berlin; Technische Universität Berlin; University of Potsdam as well as high-ranking research institutes of the Helmholtz Association, the Max-Planck Society and the Leibniz Association

---

### Key Information

<table>
<thead>
<tr>
<th><strong>BERLIN MATHEMATICAL SCHOOL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research Focus</strong></td>
</tr>
<tr>
<td>The Berlin Mathematical School (BMS) is a joint graduate school of the mathematics departments of the three Berlin universities. BMS research is grouped into seven areas:</td>
</tr>
<tr>
<td>1. Differential geometry, global analysis, and mathematical physics</td>
</tr>
<tr>
<td>2. Algebraic and arithmetic geometry, number theory</td>
</tr>
<tr>
<td>3. Probability, statistics, and financial mathematics</td>
</tr>
<tr>
<td>4. Discrete mathematics and combinatorial optimization</td>
</tr>
<tr>
<td>5. Geometry, topology, and visualization</td>
</tr>
<tr>
<td>6. Numerical mathematics and scientific computing</td>
</tr>
<tr>
<td>7. Applied analysis and differential equations</td>
</tr>
<tr>
<td><strong>Disciplines</strong></td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td><strong>Partner Institutions</strong></td>
</tr>
<tr>
<td>MATHEON, Berlin; Weierstrass Institute for Applied Analysis and Stochastics, Berlin; Konrad-Zuse-Zentrum für Informationstechnik, Berlin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>BERLIN-BRANDENBURG SCHOOL FOR REGENERATIVE THERAPIES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research Focus</strong></td>
</tr>
<tr>
<td>At the Berlin-Brandenburg School for Regenerative Therapies (BSRT), innovative research is conducted in the field of Regenerative Medicine which combines pure science, material science, clinical disciplines, and biotechnology with the goal of repairing or replacing tissues and organs impaired by ageing, trauma, or congenital abnormalities. Regenerative Medicine is an interdisciplinary field of research aiming at stimulating the regenerative potential of the human body.</td>
</tr>
<tr>
<td><strong>Disciplines</strong></td>
</tr>
<tr>
<td>Biochemistry, Cell and Molecular Biology, Chemistry, Engineering, Immunology, Material Sciences, Medicine, Physics</td>
</tr>
<tr>
<td><strong>Partner Institutions</strong></td>
</tr>
<tr>
<td>Charité – Universitätsmedizin Berlin; Humboldt-Universität zu Berlin; Technische Universität Berlin; University of Potsdam as well as high-ranking research institutes of the Helmholtz Association, the Max-Planck Society and the Leibniz Association</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Key Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Admission</strong></td>
</tr>
<tr>
<td>10 to 20 doctoral candidates per year</td>
</tr>
<tr>
<td><strong>Start of Program</strong></td>
</tr>
<tr>
<td>November</td>
</tr>
<tr>
<td><strong>Application Deadline</strong></td>
</tr>
<tr>
<td>June</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td><strong><a href="http://www.bsrt.de">www.bsrt.de</a></strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Key Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Admission</strong></td>
</tr>
<tr>
<td>40 doctoral candidates per year; scholarships available</td>
</tr>
<tr>
<td><strong>Start of Program</strong></td>
</tr>
<tr>
<td>October 1</td>
</tr>
<tr>
<td><strong>Application Deadline</strong></td>
</tr>
<tr>
<td>December 15 (for scholarship) and May 15 (for doctoral program)</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td><strong><a href="http://www.math-berlin.de">www.math-berlin.de</a></strong></td>
</tr>
</tbody>
</table>
Cancer is one of the major challenges facing medicine and society. Fighting this disease is the focus of work at BSIO. Its mission is to understand the individual molecular blueprint of a tumor and develop customized therapy plans for patients. Such “personalized cancer medicine” is one of the graduate school’s core areas. BSIO features a comprehensive curriculum as well as excellent research opportunities and creates substantive dialogue between bio-scientific research and clinical application, aiming to expedite the development of therapies. At the same time, experimental lab research receives important input, driving it to give the highest priority to urgent problems of clinical cancer therapy. Open to excellent M.Sc. (and B.Sc.) graduates in natural sciences as well as medical students and graduates, BSIO offers a structured three-year doctoral program including opportunities for international lab rotations, thus educating a new generation of cancer researchers.

**Key Information**

<table>
<thead>
<tr>
<th>Admission</th>
<th>8-12 per year (PhD and MD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>summer of each year</td>
</tr>
<tr>
<td>Language</td>
<td>English</td>
</tr>
</tbody>
</table>

http://www.bsio-cancerschool.de

**Research Focus**

Cancer is one of the major challenges facing medicine and society. Fighting this disease is the focus of work at BSIO. Its mission is to understand the individual molecular blueprint of a tumor and develop customized therapy plans for patients. Such “personalized cancer medicine” is one of the graduate school’s core areas. BSIO features a comprehensive curriculum as well as excellent research opportunities and creates substantive dialogue between bio-scientific research and clinical application, aiming to expedite the development of therapies. At the same time, experimental lab research receives important input, driving it to give the highest priority to urgent problems of clinical cancer therapy. Open to excellent M.Sc. (and B.Sc.) graduates in natural sciences as well as medical students and graduates, BSIO offers a structured three-year doctoral program including opportunities for international lab rotations, thus educating a new generation of cancer researchers.

**Discipline**

Biology, Medicine, Oncology

**Partner Institutions**

Charité – Universitätsmedizin Berlin; Freie Universität Berlin; Humboldt-Universität zu Berlin
BIOMEDICAL SCIENCES

Research Focus
The program focuses on basic and applied research topics in the entire field of the life sciences. Its broad spectrum of research areas ranges from the exploration of individual molecules with high biomedical relevance and the discovery of mechanisms of infectious diseases to projects in step with current practices in areas like patient care and nutritional science. Associated projects: Functional molecular infection epidemiology; Scaffolding of membranes; Nutrition and intestinal microbiota.

Disciplines
Biology, Chemistry, Pharmacy, Veterinary Medicine

Partner Institutions
Ludwig-Maximilians-University, Munich; University of Hyderabad; Cornell University, Ithaca, USA; Karolinska Institute, Sweden

GEOSIM – EXPLORATIVE SIMULATION IN EARTH SCIENCES

Research Focus
The graduate research school GEOSIM stands for research and education in the field of Explorative Simulation in Earth Sciences through the integration of methodological expertise from the areas of Earth and Mathematical Sciences. Research topics include:
- Research Area I: Data Exploration, Assimilation and Model Selection and Testing
- Research Area II: Multiple Scales and Scale (in)dependence of Geo-processes

Disciplines
Geosciences, Mathematics

Partner Institutions
GFZ German Research Centre for Geosciences; Freie Universität Berlin; University of Potsdam
Marco Cosme from Portugal, doctoral candidate at Graduate School Plant Sciences

»I personally think that Freie Universität Berlin is one of the best options in Europe to pursue doctoral studies and to develop a career as a researcher. It is an internationally recognized institution that hosts brilliant researchers, gives me access to an excellent infrastructure and allows me to collaborate with other important research institutions in Germany and worldwide. I am particularly satisfied with my choice because I am working in an exciting and cutting edge scientific atmosphere. Being a member of a doctoral degree program my research work is regularly reviewed by an interdisciplinary supervisory team of at least two or three supervisors. «

GRADUATE SCHOOL PLANT SCIENCES

Research Focus
The research groups involved in the Graduate School Plant Sciences are integrated into national and international research programs. The range of topics covered reflects the diversity of the research groups present at the Dahlem Centre of Plant Sciences (DCPS) and includes studies of how plants perceive biotic and abiotic stimuli, transmission of information within plants through hormones and other signal molecules, and how that information is translated in physiological reactions, genetic control of plant development, how plants interact with other organisms, plant relationships, and the evolution of traits and new plant species.

Associated projects:
Biocommunication – Mechanisms and consequences of information storage and retrieval in plants and microbes (IRTG of CRC973)
SMART – Rivers and tidal systems

Disciplines
Biochemistry of Plants, Biodiversity - Ecological Modelling, Bioinformatics, Cell Biology, Developmental Biology, Ecology of Animals, Ecology of Plants, Functional Biodiversity, Genetics, Molecular Biology, Molecular Ecology, Multitrophic Biodiversity, Plant Geography, Plant Physiology, Systematic Botany

Partner Institutions
University of Potsdam; Max Planck Institute for Molecular Plant Physiology, Potsdam; Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin
### Key Information

| Admission | 6 medical doctoral candidates who reached the second term or the clinical part of their medical studies |
| Start of Program | April 1 | October 1 |
| Application Deadline | any time |
| Languages | German and English |

**IMMUCO – CHRONIC INFLAMMATORY DISEASES**

**Research Focus**

The surface of the gastrointestinal tract represents the largest area where the organism interacts with the surrounding environment. At this interface of the body a highly sophisticated immune system recognizes a variety of endogenous bacteria or food antigens. A variety of research groups cooperate within the program. It focuses on the analyses of the specific conditions of mucosal T-cell activation and differentiation that eventually define the quality of immune responses. Experimental approaches range from *in vitro* studies or animal models to clinical applications.

**Disciplines**

Animal Experiments, Cell and Molecular Biology, Immunology, Medicine

**Partner Institutions**

Deutsches Rheuma-Forschungszentrum, Berlin; Max Planck Institute for Infection Biology, Berlin; Max Delbrück Center for Molecular Medicine, Berlin-Buch

www.sfb633.de/graduiertenkolleg
INTERNATIONAL MAX PLANCK RESEARCH SCHOOL FOR COMPUTATIONAL BIOLOGY AND SCIENTIFIC COMPUTING

Research Focus

The International Max Planck Research School for Computational Biology and Scientific Computing (IMPRS-CBSC) is embedded in a variety of scientific groups working at the interface of life sciences (molecular biology, genome research) and formal sciences (mathematics, computer science). Its research focus is on the mathematical and computational side of research in sequence analysis, theoretical structural biology, computational chemistry and drug design, molecular evolution, genome analysis, and data analysis methods in functional genomics.

Disciplines

Bioinformatics, Mathematics, Scientific Computing

Partner Institutions

Max Planck Institute for Molecular Genetics, Berlin; CAS-MPG Partner Institute for Computational Biology, Shanghai

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>3 to 6 doctoral candidates per year; scholarships available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>October 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>February</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
</tbody>
</table>

www.imprs-cbsc.mpg.de

MATERIALS SCIENCE FOR SOLAR ENERGY CONVERSION

Research Focus

The scientists at Helmholtz Research School Materials Science for Solar Energy Conversion (MatSEC) aim to develop structure-property relations enabling the evolution of tailor-made materials. These kesterite type materials are semiconductors and very promising candidates for an absorber material in thin film solar cells as well as for photoelectrodes for H2 evolution from water under solar light. To achieve this objective experimental work and theory is combined.

Disciplines

Materials science, Crystallography, Solid state physics, Solid state chemistry, Scientific computing

Partner Institutions

Helmholtz-Zentrum Berlin für Materialien und Energie; Humboldt-Universität zu Berlin; Technische Universität Berlin; Brandenburg University of Technology Cottbus–Senftenberg

Key Information

<table>
<thead>
<tr>
<th>Admission</th>
<th>19 doctoral candidates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Program</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>February</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
</tbody>
</table>

www.helmholtz-berlin.de
MOLECULAR SCIENCE

Research Focus
The program continues work and research carried out in the bilingual master’s program in Chemistry, the master’s programs in Bioinformatics and Polymer Science, or the master’s program in Physics as well as the previously existing graduate programs in Physics and Biochemistry. Selected research groups of Freie Universität Berlin cooperate with neighbouring research institutions to foster interdisciplinary networking and integration of teaching and research activities. The associated projects comprise: Elementary Processes in Molecular Switches at Surfaces; Multivalence as a Chemical Action Principle; Fluorine as a Key Element; Molecular Biophysics (Leibniz School), Protonation Dynamics in Protein Function

Disciplines
Biochemistry, Chemistry, Pharmacy, Physics

Partner Institutions
Humboldt-Universität zu Berlin; Technische Universität Berlin; Helmholtz Gemeinschaft; Leibniz Gemeinschaft

MYOGRAD – INTERNATIONAL RESEARCH TRAINING GROUP FOR MYOLOGY

Research Focus
Muscle wasting and weakness are devastating problems in patients with muscular dystrophies, cancer, cachexia, critical illness myopathy, and in aging people. New findings and treatment approaches are becoming increasingly important. The International Research Training Group for Myology – MyoGrad is the first doctoral degree program in muscle sciences worldwide. Highly qualified international doctoral candidates complete a bi-nationally supervised thesis in the field of muscle-related cell and molecular biology or clinical aspects of muscle diseases.

Disciplines
Myology, Cell Biology, Molecular Biology, Neurology, Genetics, Pediatrics, Developmental Biology, Cardiology

Partner Institutions
Charité – Universitätsmedizin Berlin; Max Delbrück Center for Molecular Medicine