

The RTG 2530 Training Programme

- a) Introductory Week (IW): The (three days) IW will be held in the early beginning of each of the three cohorts of doctoral researchers (January 2021, October 2024, 2027). By means of presentations, discussions, guided tours through the participating institutions and a one day field trip to the Elbe Estuary, the IW aims at giving an overview about the scientific background of RTG 2530 as well as about its qualification and supervision strategy. Furthermore, aspects of intercultural competences will be included and important organizational issues will be addressed. Last not least, the IW includes an informal Get-Together to stimulate social interactions between the doctoral and postdoctoral researchers as well as the principal investigators.
(S1-IW; 1 CP); **scheduled 01.02. & 02.02.2021**

- b) Lecture Series (LS): The LS will be held in the early beginning of each of the three cohorts of doctoral researchers. For the first cohort of doctoral researchers, it is laid out as a weekly course taking place between February and April 2021. All principal investigators will present the state of the art of their respective research field in a 20 min lecture, followed by a scientific discussion.
(S2-LS; 0,5 CP); **scheduled for 09.02.-30.03.2021**

- c) Lab & Field Methods (LFM): In LFM, all principal investigators give an introduction to important methods applied in their field of research. LFM will take place in the first year of RTG 2530 and consists of five one-day units. For all doctoral researchers, three of these units are compulsory.
(S3-LFM; 0,5 CP)

- d) Research Seminar (RS): The RS is held weekly during each UHH winter semester from October to January. Here, external scientists/experts invited by RTGs early career scientists and/or principal investigators give a presentation on a topic relevant for the RTG.
(S4-RS; 1 CP)

- e) Scientific Workshops (SW): International SWs will support networking and international orientation of doctoral training by offering the opportunity of active exchange with international scientists. One- or two-days international SWs taught by visiting scientists will be offered each year.
(S5-SW; 0,5 CP)

- f) Annual Retreats (AR): The ARs will support networking between all members of the RTG and also contribute to international orientation of doctoral training by the opportunity to exchange with international scientists. At the three-days ARs, all doctoral researchers will

present the progress of their work. Presentations of doctoral researchers will be complemented by two- to three key-note talks held by invited (international) scientists. Participation in annual retreats is compulsory for all members of the RTG.

(S6-AR; 1 CP); **scheduled for 22.-24.09.2021**

Key competences and soft skills

The courses in key competences and soft skills comprises seminars in ethics and good scientific practice, data science including aspects of the collection, storage, provision and analyses of research data, and communication including scientific (grant, manuscript) writing, presentation techniques as well as other complementary topics for career development.

- a) Data Science (DS): The one-week course DS includes aspects from the collection, storage and provision of research data to advanced statistical analyses and numerical model applications. The course will educate doctoral researchers in using appropriate statistical methods and modeling approaches. The course is offered annually and it is compulsory for each doctoral researcher to attend at least one data science course in his/her three years doctoral project.
(K1-DS; 1 CP)

- b) Good Scientific Practice (GSP): The one-day GSP course is obligatory in the first phase of each doctoral researcher. The course aims to ensure good scientific practice of UHH and the rules of DFG.
(K2-GSP; 0,25 CP)

- c) Scientific Writing (SC): Courses in SW will be organized through the COMPASS programme in cooperation with RTG 2530. In the one-week course, doctoral researchers will be introduced to the peer-review process and will learn how to structure and write a manuscript and choose a journal suitable for publication. The course is offered annually and it is compulsory for each doctoral researcher to attend at least one scientific writing course in his/her three years doctoral project.
(K3-SW; 1 CP)

- d) Teaching Experience (TE): Teaching experience is very important for early career researchers pursuing a scientific career. Therefore, RTG 2530 encourages all doctoral researchers to contribute to teaching laboratory and/or field classes. It is expected that doctoral researchers carry out teaching of 0,5 SWS per term.
(K4-TE; 0,5 CP)

- e) Presentation Techniques (PT): Courses in PT will be organized through the COMPASS programme in cooperation with RTG 2530. In the two to three days course, doctoral researchers will learn to present their results in scientific talks and posters. The course is offered annually and it is compulsory for each doctoral researcher to attend at least one course on presentation techniques in his/her three years doctoral project.
(K5-PT; 0,5 CP)

- f) Career Development (CD): Further courses for CD will be offered through HRA and the COMPASS programme, which provide high quality workshops and seminars on skills

beyond specific disciplines including the improvement of project management, application training and support in career entry and development.

(K6-CD; 0,5 CP each)

- g) PhD Navigator: Doctoral researchers with an international background and without profound knowledge of the German academic system should attend the HRA one-day course PhD Navigator – a course through the German Academic System - as early as possible upon starting their doctoral project.
(K7-PN; 0,25 CP)
- h) Open-topic courses: Courses for any kind of qualification which is judged to be helpful for Doctoral researchers. This may include among others introductions into “Self and Time Management” and into “The Art of English Academic Writing”. Doctoral Reserachers are supposed to propose further courses according to their needs.
(K8-OT; CP according to the duration of the course)

Regulations for the Transcript of Records (ToR)

Under the following conditions, doctoral researchers of RTG 2530 obtain a ToR at the end of their doctorate:

- at least 12 CPs are collected over the time of the doctorate
- mandatory activities mentioned above are carried out
- regular thesis committee meetings are carried out and documented

Attendance of activities need to be proven by certificates of lists of participants. All attended courses and achievements will be listed in the ToR.

Qualification programme for postdoctoral researchers

The aim of postdoctoral training and mentoring by principal investgatore of RTG 2530 is to enable postdoctoral researchers to develop and carry out their own research programme in collaboration doctoral researchers of the RTG and to successfully transfer to the next stage toward a full academic career. There are no compulsory courses for postdoctoral researchers, but all courses offered to doctoral researchers of RTG 2530 are also open to postdoctoral researchers. In addition, postdoctoral researchers are participating in the annual retreats and in the seminar series.

With regard to specific postdoctoral training, postdoctoral researchers will benefit from HRA and UHH’s COMPASS programme. Here, postdoctoral researchers are offered courses for successful working practices, for career prospects and career planning. One to two-days courses in, e.g., Leading in Academia, Conducting Negotiations Successfully, and Application Training for Professorships (in German) are regularly offered. In addition, the HLU (Hamburg Center for Teaching and Learning) offers workshops in Good Teaching Practice. General advice for the preparation and writing of scientific proposals is available through the Research Management Department at UHH.