

06.05.2025

### **X-Tutorials**

Research projects by students for students Information Event: Call for Proposals winter semester 2025-26

Dr. Nina Lorkowski, Program Manager Student Research Opportunities Program











## Agenda

- 1. Berlin University Alliance (BUA) and the Student Research Opportunites Program (StuROP<sup>x</sup>)
- 2. X-Tutorials
- 3. Application
- 4. Selection Procedure
- 5. Schedule
- 6. Q&A











TOP 1 Berlin University Alliance (BUA) and the Student Research Opportunites Program (StuROP<sup>x</sup>)









Berlin University Alliance 🚬 📥

# Berlin University Alliance (BUA)

- Network of four partner institutions
  - Freie Universität
  - Humboldt-Universität
  - Technische Universität
  - Charité Universitätsmedizin Berlin
- Funding within the framework of the Excellence Strategy of the German federal and state governments; initially for seven years
- Start of funding November 1, 2019



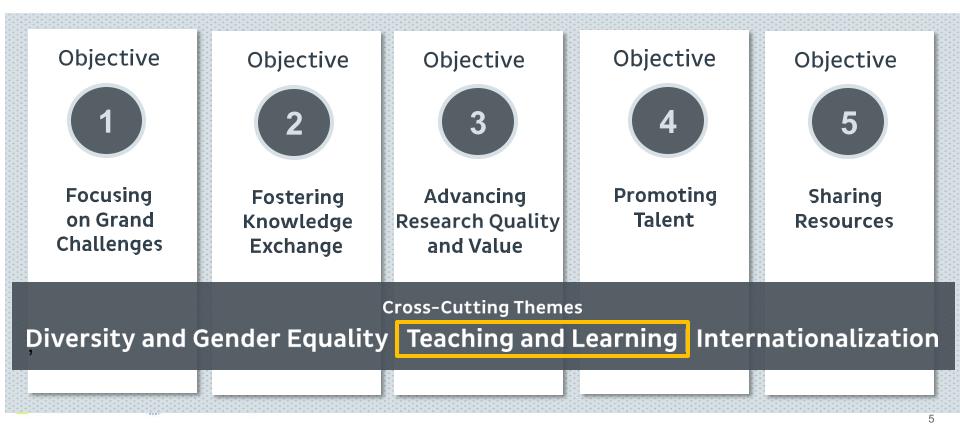








## Goals of the Berlin University Alliance





## Cross-Cutting Theme: Teaching and Learning

- Addressing a concern of the previous Excellence Initiative: pure research funding from which students do not benefit
- Measure 1: Berlin University Alliance Joint Courses and Programs
  - BUA-Office for Teaching and Learning: administrative implementation of BUA teaching formats, modules and degree programs
  - E-Assessment Alliance: implementation of digital forms of examination; expansion of the portfolio
- Measure 2: Student Research Opportunities Program (StuROP<sup>x</sup>)

CHARITÉ





### Berlin University Alliance 🚬

**StuROP**<sup>x</sup>

### Student Research Opportunities Program (StuROP<sup>x</sup>)

Central program of the BUA for linking research and teaching

StuROP<sup>x</sup>-Team

- Dr. Julia Rueß (program head)
- Dr. Nina Lorkowski (program manager)
- Johannes Trenkner (program assistant)
- Katarina Macova (Student assistant)

### X-Student Research Groups

- Research teams consisting of junior researchers and students
- Goal: To involve students in current research projects of the BUA partners and to enable them to participate in research during their studies

### **X-Tutorials**

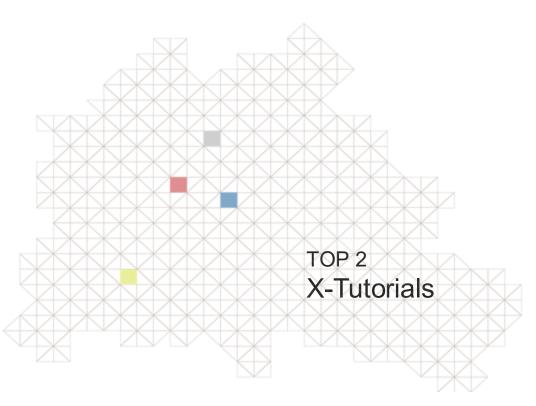
- Research tutorials initiated and conducted by students; tutors conduct research with other students as a team on a topic of their interest
- Goal: To give students the freedom to work independently on their own research question





















## X-Tutorials: Student-organized research groups

- Two student research fellows as project head (projects led by a single student are also possible)
- Duration: 12 months
- Material resources (up to 750 €/project)
- Fellowship in the amount of 550€/month
- Formal requirement: Enrollment at FU/HU/TU/CHA
- Funding of 8 X-Tutorials per semester by the Berlin University Alliance
- Qualification program + regular meetings for the student research fellows
- Supervision by a professor or research assistant
- Interim and final report









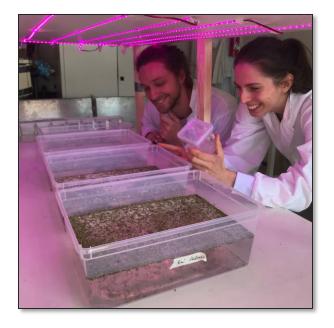
X-Tutorial "Mauer(Rad)weg, TU Berlin, CC by P. Ragalski u. F. Rogin

### Berlin University Alliance 🚬 🔨

## X-Tutorials: Student-organized research groups

### X-Tutorials are collaborative Research Projects

- Student Research Fellows conduct their research project together with other student.
- The questions for an X-Tutorial should be designed in such a way that the project benefits from the participation of different students.
- Implementation either as two 1-semester projects or one 2-semester project
- It is **possible** to announce the X-Tutorial as a course in the course catalogue. Participating students can gain credit points.



X-Tutorial: "The Azolla-Event", FU Berlin, Cc by Graf/Polenz





### Berlin University Alliance 🚬



## X-Tutorial as a course

### Interdisciplinary and cross-semester collaboration

- Announced in the course catalogue
- Open for participation to all students of the BUA-partner institutions
- Up to 15 participants per project (in case of more interested students, participants will be drawn by lot)

### Participants receive credit points

- 6 ECTS for 1 semester (=180 h workload)
- Creditable in the free elective area/ABV/ÜwP, individual crediting possible on application in own study program



#### Modulbeschreibung X-Student Research Groups 6 LP

Modul: Forschungsprojekt mit Nachwuchsforschenden – X-Student Research Groups	
Hochschule: Partnerhochschulen der Berlin University Alliance: Charité, FU, HU, TU	
Modulverantwortliche/r: Dozentinnen und Dozenten des Moduls	
Modulverantwortliche/r: Dozentinnen und Dozenten des Moduls	

#### Zugangsvoraussetzungen: keine

Qualifikationszate: Studierende realisieren ein begrenztes Forschungsnochsten, das en ein skult liufundes Forschungspröjelt auf, einglicht auf, aufglichten der Erschungsnochsten, dasse Initiation Liss kam beinhalten Forschungsflagen zu formulieren oder zu präcksieren, ein methodische Vorgehen zu konzpieren, dei Forschung umsachsten und die Ergebrates zusammerklassen zu dokumerkenen. Bis haben ein Bewastelsen für hersundirofernde Staatonen im Forschungsprozess und können geeignete Lösungsamsitze dabit ertitivkölen. Forschung umsachsten und die Ergebraten genomen der auf einer Berlahen ein Berlahen ein Berlahen für hersundirofernde Staatonen im Forschungsprozess und können geeignete Lösungsamsitze dabit ertitivkölen. Forschungstrechten das noten Stademenden der Berlahen für oberlahen sind können Frei högelich. Ihrer afzundungsprozess kritiker refektieren und bewenn. Sin haben ein Berlahen in der Ablaufe dere Starbungsprozess kritiker refektieren und bewenn. Sin haben ein die Ablaufe des Forschungsprozeites, ein den sie beteiligt auf und für die Scientific Community, zu der sie für diesen begrenzten. Zieflicht ein einhen, sinder und dere zu einheiten und können here nigsienden. Zieflicht einheiten einheiten einheiten und können Here nigsenzten. Zieflicht einheiten und können here nigsenzten. Zieflicht einheiten einheiten und können here nigsenzten. Zieflicht einheiten einheiten einheiten und können here nigsenzten. Zieflichten gehören.

#### Inhalte:

Das Modal bietet die Möglichkeit, Teilfragen eines aktuell laufenden Forschungsgreijste einen Nachwuchten schenden zu beinehen. Dabie wirden die herfür notwendigen inhelfdichen Conzigen erarbeitet und ein geeignetes methodisches Vorgehen angewendet. Prozessbegleitend werden Methoden für Peer-Feetback sowie für die Reflexion von Ler-nurd Forschungsprozessen eingesetzt. Im projektezegenen und für die tabeforsche Forschung geeigneten Formation werden die Ergabnisse diskutiert und in einem wissenschaftlichen Format aufbereitet und pissentiert.

Lehr- und Lernformen	Präsenzstudium (Semesterwochen- stunden = SWS)	Formen aktiver Teilnahme	Arbeitsaufwand (Stunden)
Seminar	2	Kleingruppenarbeit, Diskussion	
Lehrforschungspro- jekt	120 h	Kleingruppenarbeit, Bearbeitung von Teilfra- gen eines aktueli laufen- den Forschungsprojekts, Aufbereitung und Prä- sentation der Ergebnisse in einem wissenschaftli- chen Format, Entellung eines Reflexionsberichts	Seminar: Präsenzzeit 30 Vor- und Nachbereitung 30 Lehrforschungsprojekt: Präsenzzeit 120
Leistungspunkte und Voraussetzung für deren Erteilung		Semina: 2 LP - 1 LP Kir die Teinahme - 1 LP Kir die Teinahme - 2 LP Kir die Fungung und Durchlichnung des Projekts - 1 LP Kir die Autbereitung der Ergebnisse in münklicher Form (n. 8. Vortrag, Postpräsentation), in schriftlicher Form (n. 2. B. Er- gebnisbericht, Essay) der in multimodaler Form (n. 2. B. Er- gebnisbericht, Essay) der in multimodaler Form (n. 2. B. Er- gebnisbericht, Objekträsentahonen oder Ausstellung).	





TECHNISCHE

UNIVERSITÄT



### Berlin University Alliance 🚬 🛧

## X-Tutorials: Designed to foster Undergraduate Research Experience



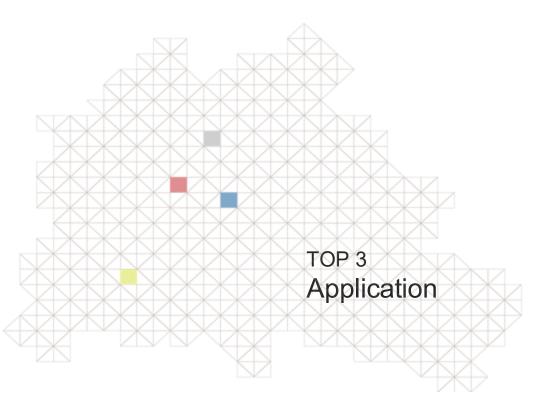
StuROP<sup>x</sup>-Qualification Program for leaders of the X-Tutorials



HARITÉ

- Based on the concept of Research based Learning. Support for the conception is also provided by the workshops within the qualification program
- Students go through an (almost) complete research process, work on their own questions, generate (for themselves new) scientific findings and prepare this for third parties. Phases of research-based learning correspond to the typical steps of a research process.
- Research takes place together (or in small groups) in the project and **not** in individual work following the project (e.g. in the context of a term paper following a seminar). In URE students' results are finally brought together and the research process is reflected upon.













### Berlin University Alliance 🚬 🔨

# What does the complete application contain? (1)

- Application form (online)
  - Applicant details, project title and institutional affiliation
  - Motivation
- Project outline (english or german)
  - 3 pages (max) + 1 page bibliography (if required). Please avoid any further appendix! Description of research project
  - Including a schedule over the course of 12 months and an assessment of the disciplinary backgrounds of the participating students
  - Please check: <u>https://www.berlin-university-alliance.de/en/commitments/teaching-learning/sturop/tutorials/call-for-proposals/3-unterlagen/en\_info-on-project-outline\_tuts.pdf</u>
- Optional: Application for material or travel resources
  - Up to 750 €, prerequisite: necessity for research/project implementation,
  - E.g. for moderation materials, entrance fees, printing costs, test person fees, software, consumables laboratory, guest lectures...). No detailed but realistic calculation required!
  - It is possible to adjust this calculation during the prokect and you also might apply for additional funds during the course of the project.









## What does the complete application contain? (2)

- Supervision agreement provided by a subject-specific supervisor
  - By a professor or research assistant
  - Assessment of the feasibility of the research project
  - Willingness to provide expert advice and support the implementation
  - Can award participating students with credit points
- Form: Proof of institutional affiliation
  - Confirmation (signature) of a professor (might be the same person as the supervisor)
  - Institutional affiliation = responsible for the organizational implementation of the X-Tutorial, e.g. room booking, access to the learning platform, use of laboratory facilities























## **Selection Procedure**

- 1. Formal check by StuROP<sup>x</sup>-Coordination, including:
  - completeness of the application
  - appropriate scope of application
  - basic feasibility of the project (including an appropriate calculation for material funds, if applicable)
- 2. Evaluation of the applications by StuROP<sup>x</sup> Reviewer Panel
- 3. Funding decision by Steering Committee "Teaching and Learning" of the Berlin University Alliance







## StuROP<sup>x</sup> Reviewer Panel

- Expert panel for the review of the applications
- 40 members, equal number of members from the four collaborative partners, approximately equal gender representation, interdisciplinary
- professors, scientific staff, students
- Proposals are reviewed by experts from the same field (2x) and by experts from different fields (1x)!

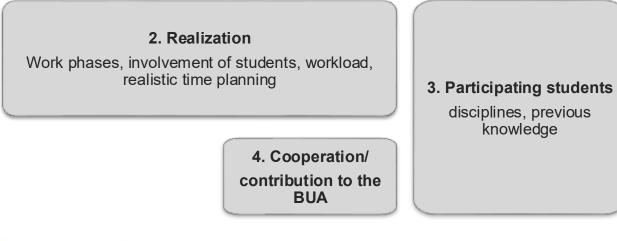




## Criteria for the evaluation of proposals

### 1. Quality of content

Question, relevance, ideas for sub-topics that students can work on and that contribute to answering the overarching question, method(s), preparation of results



Notes on the project outline implicitly contain all rating criteria:

> https://www.berlin-universityalliance.de/en/commitments/tea chinglearning/sturop/tutorials/call-forproposals/3-unterlagen/en\_infoon-project-outline\_tuts.pdf











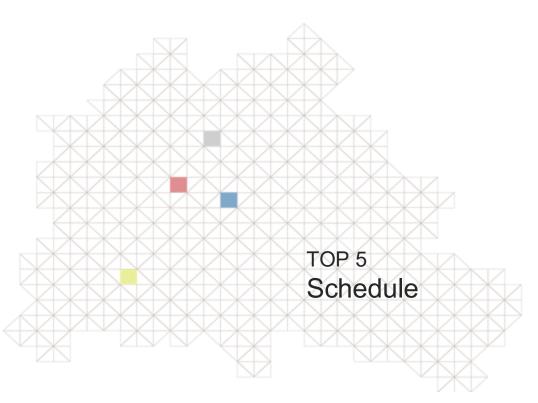
## What is important to the reviewers?

- Clear research question or clear research topic
- Open-ended and participatory project (no classical seminar plans!)
- Original perspective or methodological approach
- Trans- or interdisciplinary approaches
- Interesting for students (topic/approach that does not exist in regular teaching)
- Realistic time schedule for research project
- Reasonable workload for students
- Proposals written well and understandable (also for non-specialists)
- No criterion but sensitivity to diversity and gender is positively perceived









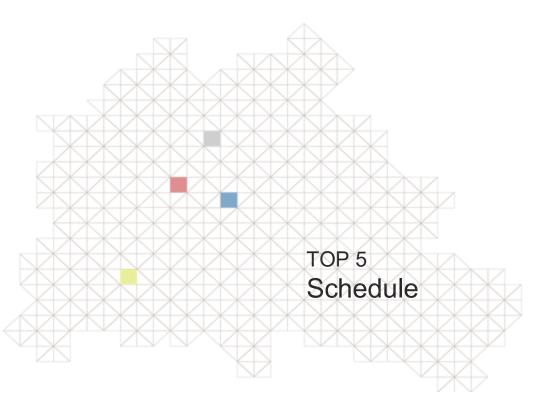


















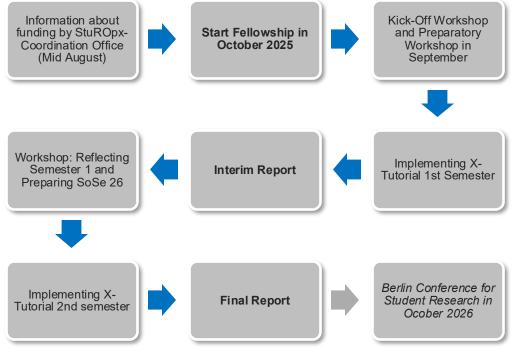




### Schedule WiSe 2025-26 to SoSe 2026



Annual Berlin Conference for Student Research













## StuROP<sup>x</sup> Qualification Program

- Workshops for scholarship holders: Preparation for their task as leaders of a research project and support them throughout this process.
- Additional workshops on topics that support their further qualification in the field of research and teaching.
- Please find workshop dates here: <u>https://www.berlin-university-</u> <u>alliance.de/en/commitments/teaching-</u> <u>learning/sturop/qalifizierungsprogramm/index.html</u>



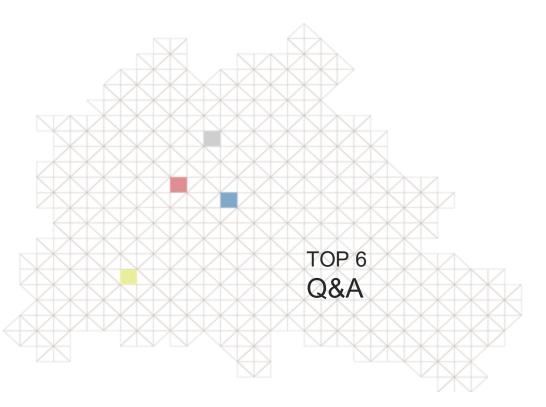






















### Contact: sturop@berlin-university-alliance.de

Please submit your proposal until: June 1st 2025

# Now it's time for your questions!

Further Questions? Please check out the FAQs: https://www.berlin-university-alliance.de/en/commitments/teachinglearning/sturop/tutorials/faq-tuts/index.html







