

BRCCH Internship Programme

Objectives of the programme

The Basel Research Centre for Child Health (BRCCH) is a paediatric digital health research centre whose main motivation is to improve the health and well-being of children and adolescents. The Centre aims to develop innovative digital tools and data-driven approaches, addressing the preventive, diagnostic and therapeutic challenges of paediatric patients worldwide.

To foster the transfer of knowledge in paediatric digital health and with the purpose of creating a multidisciplinary network of researchers cooperating in this topic, the BRCCH is piloting an internship programme for scientists from low- and middle- income countries (LMICs). This programme is intended for researchers who wish to spend up to three months in a Basel-based research institution affiliated with the BRCCH (i.e. University Children's Hospital Basel, ETHZ, University of Basel, or the Swiss Tropical Institute) to conduct research activities complementary to their research projects and learn new methodologies in paediatric digital health.

Application conditions

Application process

Applications for the BRCCH internship programs should be submitted to the BRCCH Management Office via e-mail to contact@brc.ch **before 1st of June 2024** and must include the following documents:

- Research proposal including the rationale of the project, main objectives, and expected outcomes (max. 2500 words). Please use the application form for this part.
- A CV including a publication list.

Scientific scope of the project

The research proposals for the internship programme should align at least with one of the following areas:

- Implementation of digital tools in the design, implementation, and evaluation of medical interventions to improve the well-being of children and/or adolescences.
- Develop machine learning, deep learning and data-driven models to predict disease trajectories and risk profiles in paediatric patients.
- Develop new digital and biomolecular markers to improve the diagnosis of paediatric patients.
- Generation of biomolecular diagnostic sensors that are suitable for paediatric patients.

Applicant eligibility criteria

Applications will be accepted from applicants who meet the following criteria:

- At the time of the application, the applicant holds a PhD degree, or a medical degree (MD) and has proven research experience.
- The applicant is a citizen and has a contract/fellowship at a university or research institution in a country or territory listed as LMIC according to the [DAC List of ODA Recipients](#) at the time of application.
- There is alignment between the methodology and scientific expertise required to carry out the proposed project within the host institution and the proposed project of the applicant.
- The applicant commits and is in a position that allows him/her to transfer the acquired knowledge after the internship to his/her home institution.

Benefits

Financial information

The BRCCH internship grants will provide the following support:

- The reimbursement of the expenses derived from an economy-class flight to and from Switzerland up to a maximum of 2000 CHF. The additional cost of train tickets from the arrival and departure airport to and from Basel will be covered, provided that the total sum of the travel costs is within 2000 CHF..

- Accommodation in Basel for up to a maximum of three months, which will be arranged in advanced by the BRCCH Management Office.
- A living allowance of 1'600CHF for the duration of the internship, up to a maximum of three months.
- The reimbursement of the expenses derived from the VISA application up to a maximum of 100 CHF.

Access to further education

- The BRCCH internship grantees will have access to an online course in Digital Health Foundations taught by experts in the digital field. The online material will be shared with the grantees prior to their visit to the host institutions and should be reviewed before their arrival in Basel.
- The BRCCH internship grantees will have the opportunity to improve their transferrable skills (e.g. scientific communication, writing skills for articles and grant proposals, or project management) via attendance at in-person courses held by the BRCCH Management Office. In addition, they will have the opportunity to participate in BRCCH events such as seminar series or workshops.