

Postdoctoral position in astronomical instrumentation

Applications are invited for a Postdoctoral position at the Centre for Space and Habitability (CSH, <http://csh.unibe.ch>) of the University of Bern.

The successful applicant will work in the frame of the new ERC Consolidator project "SenseLife" of Prof. Brice-Olivier Demory (<http://www.saintex.unibe.ch>). The Postdoctoral researcher will be expected to contribute to the further development of high-sensitivity polarimeters for field and airborne measurement campaigns.

Your profile

We are looking for an outstanding instrumentation scientist, a team player, who will work in a multidisciplinary group that includes, in addition to astrophysicists, microbiologists and computer scientists. This project will further collaborations with the Universities of Neuchatel, Leiden, Geneva, Zurich and ETH Zurich in the frame of the NCCR PlanetS. The successful applicant will also have the opportunity to be involved in other key activities of the group, such as the development of medical instrumentation for cancer surgery at the Faculty of Medicine of the University of Bern.

A qualified candidate should have been awarded a PhD and have expertise in optical instrumentation design and development. Candidates with further specialisation in adaptive optics or polarimetry are strongly encouraged to apply.

What we offer

Starting salary is between 87'750 and 99'450 CHF based on experience, with an initial appointment of 2 years. Child allowance and maternity/paternity leave are offered. Part-time appointment is also possible, as well as flexible work patterns.

The expected starting date is 1 October 2022. The position comes with a research budget for travel, publication costs and computing resources.

Application

Applications are invited from all nationalities and should consist of 1) a cover letter, 2) a CV, 3) a summary of past achievements (3 pages), 4) a list of publications and 5) the names and contact details of 3 references. Materials should be submitted through the web interface. Inquiries to: Prof. Brice-Olivier Demory (brice.demory@unibe.ch)

Applications received by 15 July 2022 will receive full consideration.

The University of Bern is committed to equality, diversity and inclusion. Individuals from underrepresented groups are particularly encouraged to apply.