



UiO : Universitetet i Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The Institute of Theoretical Astrophysics is part of the Faculty of Mathematics and Natural Sciences. It presently has 11 permanent professors/associate professors. The Institute employs some 15-20 postdoctoral and senior research fellows and has of order 15-20 Ph.D. students. The research activity of the Institute of Theoretical Astrophysics is concentrated around solar physics, cosmology and extragalactic astrophysics.



Postdoctoral Research Fellow in Cosmology, two positions

Two positions as Postdoctoral Research Fellow (SKO 1352) in cosmology are available at the Institute of Theoretical Astrophysics of the University of Oslo.

The fellowship period is for four years for both positions, with a starting date as close as possible to March 1st 2018. The position entails a compulsory work load of 25 % that contains of teaching and supervision duties and research assistance. No one can be appointed for more than one specified period at the same institution.

Job description:

The positions are dedicated to a Horizon2020 funded project called BeyondPlanck, which aims to deliver new Planck LFI maps and associated science products by 2020. One of the two positions is dedicated to low-level data processing and map-making, and this work will be supervised by Prof. Hans Kristian Eriksen. The second position is dedicated to astrophysical component separation, and this work will be supervised by Dr. Ingunn Kathrine Wehus. In addition to the University of Oslo, the BeyondPlanck collaboration include INAF Trieste, the University of Helsinki, University of Milano, and Planetek. Close collaboration with all of these institutions is expected.

The primary requirement for both positions is a strong programming background. In addition, previous experience with CMB data analysis, and Planck in particular, is highly desirable. A generous personal travel/expenses grant of 50 kNOK is available per year. The institute also has access to world-class computing facilities, both in-house and on-campus, that are directly available to the candidate. The cosmology group at the Institute participates heavily in the Planck, SPIDER, COMAP and Euclid experiments, and is a member of the LiteBIRD Joint Study group.

Qualifications:

The candidates must have a PhD or other corresponding education equivalent to a Norwegian doctoral degree in astronomy/astrophysics, physics, computer science, applied mathematics or a related discipline.

The main purpose of post-doctoral research fellowships is to qualify researchers for work in top academic positions within their disciplines.

Please also refer to the regulations pertaining to the conditions of employment for post-doctoral fellowship positions:

<http://www.uio.no/english/about/regulations/personnel/academic/regulations-employment-conditions-postdoc.html>

A good command of English is required.

The applicant should arrange for two letters of reference to be sent by e-mail to h.k.k.eriksen@astro.uio.no and i.k.wehus@astro.uio.no within the application deadline.

Salary:

Position code 1352, NOK 490 900- 569 000 per year, depending of qualification.

Comprehensive pension and health insurance administered by the Government Pension Fund (SPK) and the Norwegian Labour and Welfare Administration (NAV).

For local welfare benefits, see: <http://www.uio.no/english/for-employees/employment/welfare/>

The application must include:

- Application letter
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)

- Copies of educational certificates, transcript of records and letters of recommendation
- A complete list of publications and academic works.
- The source code of a self-written computer program; a link to a GitHub repository or similar is acceptable
- Names and contact details of two references who have been asked to send reference letters to Hans Kristian Eriksen (h.k.k.eriksen@astro.uio.no).
- Foreign applicants are advised to attach an explanation of their University's grading system

Please remember that all documents should be in English or a Scandinavian language.

The University of Oslo is an equal opportunity employer and seeks in particular to increase its number of female scientists. Women are therefore particularly encouraged to apply.

UiO has an agreement for all employees, aiming to secure rights to research results a.o.

The application with attachments MUST be delivered in our electronic recruiting system EasyCruit from the link on the bottom of the page.

Contact person:

For further information please contact: Hans Kristian Eriksen, phone: +47 928 47 663, e-mail: h.k.k.eriksen@astro.uio.no

For question regarding the recruitment system, please contact HR Officer Ørjan Pretorius, email: orjan.pretorius@mn.uio.no

Jobbnorge-ID: 142477, Søknadsfrist: Avsluttet