

# RE-ADVERTISEMENT: Associate Professor in theoretical cosmology with focus on numerical studies of the cosmic microwave background, large scale structure, and the early Universe

The Department of Physics and Astronomy, Aarhus University, Denmark ([www.phys.au.dk](http://www.phys.au.dk)) invites applications for a permanent associate professor position in theoretical cosmology.

The Department seeks to strengthen its existing activities in theoretical astrophysics with particular emphasis on cosmology and physics of the early Universe. We are particularly searching for a candidate with documented interest and experience in numerical methods in theoretical cosmology, and in high performance computing.

The position is open from March 1st 2021.

## Your profile

The successful candidate is expected to establish an independent research activity in this field, which will strengthen and complement existing research activities at the department.

Applicants must have a strong record of original scientific research at international level, and they are invited to document examples of collaborative international research. Applicants must hold a PhD in physics and be able to teach physics at all levels of the University curriculum, in particular in cosmology, but also in introductory courses like mechanics or electromagnetism. Ability and willingness to teach general relativity and/or particle physics is considered an asset.

Applicants are expected to document their experience with university teaching, including the supervision of MSc and PhD students.

## Equality and diversity

The department is committed to promoting equality and diversity, and, in addition to a strong research track record, the successful applicant(s) is thus encouraged to show a genuine commitment to developing the role and identifying the talent of under-represented groups in physics, and demonstrate an interest in contributing to innovative programs that will target these groups at all levels.

## Place of work and area of Employment

The place of work is Ny Munkegade 120, 8000 Aarhus C and the area of employment is Aarhus University with related departments.

## Contact information

Further information can be obtained from Head of Department Ulrik I. Uggerhøj.  
E-mail: [ulrik@phys.au.dk](mailto:ulrik@phys.au.dk)

Previously submitted applications will be taken into consideration unless they are withdrawn.

## Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the assessment committee if necessary, – the head of department selects the candidates to be evaluated. The selection is made on the basis of an assessment of who of the candidates are most relevant considering the requirements of the advertisement. All applicants will be notified within 6 weeks whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee and will receive his/her assessment. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants, including the main considerations emphasized during the selection process.

## Formalities and salary range

Natural Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information

**Application Deadline:**  
01 September 2020

**Faculty:**  
Faculty of Natural Sciences

**Institute/Faculty:**  
Department of Physics and Astronomy

**Academic contact person:**

Ulrik Ingerslev  
Uggerhøj  
Instituttleder  
[ulrik@phys.au.dk](mailto:ulrik@phys.au.dk)  
+4523382373

**Vacant positions:**  
1

**Hours per week:**  
37

**Expected date of accession:**  
01/03/2021

about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Finance and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the [Memorandum on Job Structure for Academic Staff at Danish Universities](#).

Salary depends on seniority as agreed between the Danish Ministry of Finance and the Confederation of Professional Associations.

All interested candidates are encouraged to apply, regardless of their personal background. Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Please find more information about entering and working in Denmark [here](#).

*The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.*

**Aarhus University**

*Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,000 employees, and has an annual revenues of EUR 885 million. Learn more at [www.international.au.dk/](http://www.international.au.dk/)*