

Post doc position – Structure-function relationships of recombinant caseins

The Department of Food Science, Aarhus University (Denmark), invites applications for a 24-month post doc position within protein chemistry of recombinant caseins and their structure-function relationships. In particular, molecular and physicochemical properties incl calcium binding of recombinant bovine caseins with and without introduced post translational modifications, gelation properties and digestibility are central areas.

We are seeking a skilled, motivated, and successful candidate to develop and support this research project at the intersection of recombinant food proteins and their molecular and functional properties. The post doc position is part of the Food technology group at Department of Food Science, Aarhus University and may also include teaching and dissemination activities, as well as supervision of students. You are expected to complement and grow your expertise, and to actively participate and deliver on projects carried out in one of the most dynamic groups in food science at Aarhus University. You will have many opportunities to connect with other research partners, and collaborate with PhD and other postdoctoral fellows, in cross-disciplinary collaborations with other research groups, at both national and international levels. The post doc position is part of the bigger Casein Mission project, carried out in collaboration between Aarhus University, Danish Technological University, Chalmers and Aachen Universities.

Qualifications

Applicants must have a PhD degree in chemistry/food chemistry/biotechnology or similar, covering;

- Documented expertise in dairy and protein chemistry, incl using advanced analytical techniques, rheological analyses, as well as more general within biochemistry, food chemistry and/or food physical techniques
- Documented expertise in isolating and analyzing proteins by advanced analytical techniques, i.e. chromatography and mass spectrometry and preferentially also within milk proteins and digestibility
- First-authored publications in leading international journals
- Advanced knowledge in experimental design and methods
- Experience with self-directed coordination of research
- Strong interpersonal and communication skills to effectively collaborate and communicate in academia and to the public
- Efficient at planning, developing, organizing and execution of major tasks
- Curiosity-driven interest in investigating recombinant food proteins and their properties
- A high level of verbal and written communication in English, science communication skills proven publication record in peer-reviewed scientific journals
- Good interpersonal skills, the ability to thrive in a diverse, multidisciplinary environment, and the ability to disseminate scientific results
- Experience in supervising students, teaching and conducting hypothesis-based research of the highest academic standards

The Department of Food Science

Department of Food Science (FOOD) is part of the Faculty of Technology, Aarhus University (AU) and includes research across the food value chain within the areas of Plant Production Systems, Biofunctional Food, Systems Biology, Food Chemistry and Technology, Food Quality, and Sensory and Consumer Science. Research will be conducted at a recently built 7000 m² state-of-the-art research facility at AU FOOD. AU FOOD is in possession of the most advanced analytical research infrastructure, with

Application Deadline:
03 February 2026

Institute/Faculty:
Department of Food Science

Faculty:
Faculty of Technical Sciences

Academic contact person:
Lotte Bach Larsen
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Vacant positions:
1

Number of months:
24

Hours per week:
37

Expected date of accession:
01/04/2026

well-integrated, high-tech prototype facilities.

The Department currently employs approx. 60 full time scientific staff and 80 PhDs, students and post docs, with approx. 80 thesis-based Bachelor and Masters students and visiting staff and students, who together contribute to an international research environment, where English is the preferred language in the laboratory, at meetings and at seminars. Read more about the Department of Food Science at www.food.au.dk.

What we offer

We offer a challenging and independent job opportunity in an ambitious and inspiring research and education environment with an informal atmosphere. We are looking for a dynamic employee who can work independently and maintain an overview during periods of high workload. We expect that you are efficient at planning your time and organizing major tasks. You enjoy interaction with both scientific staff, students and technical-administrative staff and you have a flair for establishing collaborative relationships. We offer a unique research experience in an interdisciplinary research project, combining state-of-the-art techniques in protein chemistry, protein functionality, rheology and structure-functional relationships. We also offer a great research environment characterized by collaboration, commitment to diversity and inclusion, and success in mentoring.

Place of work

The place of work is the Department of Food Science, Aarhus University, Agro Food Park 48, 8200 Aarhus N, Denmark.

Contact information

For further information about the project or the position, please contact Track leader and co-PI in the Casein Mission project, professor Lotte Bach Larsen, lbl@food.au.dk

Start date and duration of employment

The starting date is 1 April 2026, or as soon as possible after this date. The duration of employment is 24 months, and the position is fulltime (37 hours per week).

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified 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 each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline. Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

If you wish to add a referee **after** you have submitted your application, you must send this person's details (name, job title, place of work, and email address) as well as the name of the position you have applied for to: HR.Nattech@au.dk

Formalities and salary range

Technical 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 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 Taxation 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 Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

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](#).

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it [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 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/