



UNIVERSITETET I OSLO

Jobbnorge ID: 229698

Deadline: 9/30/2022

Website: <http://www.uio.no/>

Scope: Fulltime

Duration: Temporary

PhD Research Fellow

Job description

Applications are invited for a 3 year position in a Research Fellowship as a PhD Candidate in Tannic acid nanocoatings: promoting cell adhesion and wound healing response around dental implants to be based at the Faculty of Dentistry, Biomaterials, University of Oslo.

Project description - project nr 1a

This three-year PhD project in biomaterials science focuses on investigating the deposition and biological performance of multifunctional nanocoatings composed of tannic acid and functional biopolymers in vitro. The main aim of the project is to develop hybrid coatings that combine the anti-inflammatory properties of polyphenols with the reparative potential and bacteriostatic effect of the selected biopolymers to stimulate soft tissue integration and hinder bacterial colonisation on dental implant surfaces.

For further information about the project, please contact: [Assoc Prof Hanna Tiainen](#)

More about the position

The purpose of the fellowship is research training leading to the successful completion of a PhD degree. The fellowship requires admission to the PhD programme at the Faculty of Dentistry.

The fellowship is for a period of 3 years.

For more information, please see our web site <https://www.odont.uio.no/english/research/phd/>

Qualification requirements

We seek a motivated person equipped with scientific curiosity and an academic skillset suitable for advanced characterisation of biomaterial surfaces and the interactions between the material surface and the physiological environment within the body.

A prospective candidate for this position

- must hold a degree equivalent to a Norwegian master's degree in biomaterials science or chemistry with focus on biomaterials, or equivalent.
- research experience with molecular layer deposition and advanced surface-specific characterisation techniques, such as QCM, are considered an advantage
- research experience in investigating cell-material interactions is considered beneficial
- has good team-working skills as well as an ability to work independently
- has good communication skills, including fluent oral and written English
- has availability to go abroad for short-term scientific missions
- English requirements for applicants from outside of EU/EEA countries and exemptions from the requirements: <https://www.odont.uio.no/english/research/phd/regulations/supplementary-rules.html>

Personal skills

- Ability to conduct high-quality independent research within a broad collaboration
- Interpersonal communication skills and the ability to work as part of a team
- Willingness to work together with PhD and/or Master/Bachelor students in specialty field
- Self-motivation, creativity, genuine curiosity about the subject, work discipline, professional ethics, and ambition
- Strong practical and analytical skills
- Good communication skills
- Good social and collaboration skills
- Ability to work independently and in an interdisciplinary scientific environment
- High drive for science

We offer

- Salary NOK 501 200 - 544 400 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017)
- Attractive welfare benefits and a generous pension agreement

- Vibrant international academic environment
- Career development programmes
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include

- cover letter statement of motivation and research interests
- CV (summarizing education, positions and academic work - scientific publications)
- Certified copies of the original Bachelor and Master's degree diploma, transcripts of records
- Letters of recommendation
- Documentation of English proficiency
- List of publications and academic work that the applicant wishes to be considered by the evaluation committee
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

The application with attachments must be delivered in our electronic recruiting system (please follow the link "**Apply for this job**"). Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English or a Scandinavian language.

- Applicants with foreign diplomas are asked to send the original diploma with a Scandinavian or English translation. Foreign diplomas are advised to attach an explanation of their University's grading system. Translations must be certified.
- Please note that all documents should be in English or a Scandinavian language.
- Incomplete applications will not be considered.
- All applicants will receive an email when the hiring process has finished.
- Applicants may be called in for an interview.

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Research Fellowships at the University of Oslo.

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo.

According to the Norwegian Freedom of Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The appointment may be shortened/given a more limited scope within the framework of the applicable guidelines on account of any previous employment in academic positions.

The University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. Furthermore, we want employees with diverse professional expertise, life experience and perspectives.

If there are qualified applicants with disabilities, employment gaps or immigrant background, we will invite at least one applicant from each of these categories to an interview.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and the acts relating to Control of the Export of Strategic Goods, Services and Technology. Candidates who by assessment of the application and attachment are seen to conflict with the criteria in the latter law will be prohibited from recruitment to University of Oslo.

Contact information

For further information about the project please contact:

- **Assoc Prof Hanna Tiainen** - hanna.tiainen@odont.uio.no

About the University of Oslo

The University of Oslo is Norway's oldest and highest ranked educational and research institution, with 28 000 students and 7000 employees. With its broad range of academic disciplines and internationally recognised research communities, UiO is an important contributor to society.

The Faculty of Dentistry is one of the leading odontological research and educational institutions in Europe. The faculty's research groups contribute top research within several odontological fields.

In addition to educating dentists and dental hygienists, the Faculty has Ph.D program and professional-oriented specialist education. The Faculty holds significant competence in the various research and clinical disciplines, with good interdisciplinary collaboration. It is a modern faculty with approximately 450 students and approximately 450 employees. The faculty is also Norway's largest dental clinic with approximately 55,000 patient visits a year. The Faculty of Dentistry has two departments: Institute of Clinical Dentistry and Department of Oral Biology.

Additional information

Place of service:

Det odontologiske fakultet, UiO 0316 Oslo (Oslo Municipality)