

## Assistant Professor

Ecole/Institution/Société:

**University of Twente, Netherlands / Enschede**

Discipline:

**Engineering Education**

Type d'emploi::

**Full-time**

Date de publication:

**2022-04-12**

Personne à contacter:

**If you wish to apply for this position, please specify that you saw it on AKATECH.tech**

### **Assistant Professor in “Engineering Therapeutics**

#### **Job description**

Within the faculty of Science and Technology (S&T), the department of “Advanced Organ bioengineering and Therapeutics (AOT) and chair of Engineered Therapeutics,

we are looking for a highly motivated and enthusiastic

- Assistant Professor (f/m) in ‘Engineering Therapeutics’.
- Assistant Professor profile

The candidate is expected to have a background in the biomedical sciences, bioengineering, drug delivery and nanomedicine and should have experience in the multidisciplinary environment of targeted therapeutics from designing to testing, including nanomedicine/drug conjugates development, in vitro testing in simple to complex 3D models, and in vivo animal models.

#### **We expect you to:**

- contribute to the ongoing research activities and further develop your research ideas within the AOT and Engineered Therapeutics chair.
- contribute to the education activities of AOT and Engineering Therapeutics.
- apply for personal grants and contribute to acquiring other national and international grants.
- supervise bachelor, master and PhD students and publish articles in prominent peer-reviewed scientific journals.

#### **Your profile**

Assistant Professor profile

The candidate is expected to have a background in the biomedical sciences, bioengineering, drug delivery and nanomedicine and should have experience in the multidisciplinary environment of targeted therapeutics from designing to testing, including nanomedicine/drug conjugates development, in vitro testing in simple to complex 3D models, and in vivo animal models.

#### **We expect you to:**

- contribute to the ongoing research activities and further develop your research ideas within the AOT and Engineered Therapeutics chair.
- contribute to the education activities of AOT and Engineering Therapeutics.
- apply for personal grants and contribute to acquiring other national and international grants.
- supervise bachelor, master and PhD students and publish articles in prominent peer-reviewed scientific journals.

## **Our offer**

- We offer a fulltime, structural position, starting with a temporary appointment for a period of 2 years with the prospect of a permanent position after a positive evaluation.
- Our terms of employment are in accordance with the Dutch Collective Labor Agreement for Universities (CAO) and include a holiday allowance of 8% of the gross annual salary and a year-end bonus of 8,3%.
- Depending on your relevant background and experience, the salary, on a fulltime basis, ranges from € 3.821 (scale 11) to € 5.943, - gross per month.
- A minimum of 29 leave days in case of fulltime employment.
- Professional and personal development programs.
- A solid pension schemes.
- Information and application

Are you interested in joining our team? Please submit your application before May 1, 2022, via the 'Apply now' button, and include:

- Your letter of motivation.
- A Curriculum Vitae, including a complete list of publications, lectures and presentations at conferences and a list of third-party funding.
- Research and education plan
- Letters of recommendation or contact information of two references we can contact.
- You are welcome to contact Prof. Dr. Jai Prakash ([j.prakash@utwente.nl](mailto:j.prakash@utwente.nl)), Prof. Dr. Dimitrios Stamatialis ([d.stamatialis@utwente.nl](mailto:d.stamatialis@utwente.nl)) or our secretary Ms. Karin G. Hendriks ([k.g.hendriks@utwente.nl](mailto:k.g.hendriks@utwente.nl)) for any questions you may have.

We are an equal opportunity employer and value diversity and inclusion at our university. We encourage applications from all sections of society.

## **About the department**

The AOT department includes three chairs:

- (Bio)artificial organs (Prof. Stamatialis - department head, Dr. ter Beek),
- Biomaterials and Regenerative Medicine (Prof. Grijpma, Dr. Poot, Prof. Eglin)
- Engineered Therapeutics (Prof. Prakash, Prof. Storm)

Within AOT, the chair Engineered Therapeutics develops innovative targeted therapeutics specifically designed to target cells within a diseased organ, resulting to improved therapeutic efficacy and reduced side effects in patients. Within this research framework, the chair focuses on:

Engineered Nanomedicine based on new biomaterials to deliver therapeutics to specific cells and tissues.

Engineered biologics such as peptides and proteins to target specific cells, in the fields of cancer and fibrosis, but not limited to those.

Development of biomimicking 3D models to examine the efficacy of developed engineered

therapeutics as well as testing in animal models.

The chair is also substantially contributing to the education of the Biomedical Engineering study of the University of Twente by delivering various courses in the field of drug delivery, nanomedicine, and targeted therapeutics.

## **About the organization**

The Faculty of Science & Technology (Technische Natuurwetenschappen, TNW) engages some 700 staff members and 2000 students in education and research on the cutting edge of chemical technology, applied physics and biomedical technology. Our fields of application include sustainable energy, process technology and materials science, nanotechnology and technical medicine.

As part of a people-first tech university that aims to shape society, individuals and connections, our faculty works together intensively with industrial partners and researchers in the Netherlands and abroad, and conducts extensive research for external commissioning parties and funders. Our research has a high profile both in the Netherlands and internationally and is strengthened by the many young researchers working on innovative projects with as doctoral candidates and post-docs. It has been accommodated in three multidisciplinary UT research institutes: Mesa+ Institute, TechMed Centre and Digital Society Institute.

## **Job details**

**Title:** Assistant Professor in “Engineering Therapeutics”

**Employer:** University of Twente

**Location:** Drienerlolaan 5 Enschede, Netherlands

**Job type:** Assistant / Associate Professor

**Field:** Bioengineering, Biomedicine

Personne à contacter:

**If you wish to apply for this position, please specify that you saw it on AKATECH.tech**