



Jobbnorge-ID: 149003

Søknadsfrist: Avsluttet

Nettside:

Omfang:

Varighet:

## Postdoc position in cardiovascular modeling and simulation (IV-SO 26/18)

### Description

One postdoc position within the field of biomechanical modeling/biomedical engineering for the cardiovascular system is available at Department of Structural Engineering at NTNU, Trondheim, Norway. The position will be organized under the cardiovascular modeling project headed by professor [Leif Rune Hellevik](#) in the Biomechanics group.

The candidate will contribute to the further development of ongoing projects within the group such as [Model based, noninvasive diagnosis of coronary artery disease with 3D ultrasound and CT](#), [Uncertainty quantification and sensitivity analysis for cardiovascular simulations](#), [NTNU Human Physiome](#), but also follow up and contribute to new projects applying modeling and engineering approaches to personalize cardiovascular simulations (i.e. combining wearables and models), and in particular to strengthen the collaboration with the [Cardiac Exercise Research Group](#), and [TrollLABS](#) at NTNU as well as St. Olavs University Hospital in Trondheim.

### Qualifications

The successful candidate is a highly motivated and ambitious researcher with excellent grades and relevant experience in some of the following areas: biomechanics, biomedical engineering, numerical mathematics, uncertainty quantification, sensitivity analysis, machine learning and programming. The candidate must be diligent and display the ability to work independently and is expected to carry out high-quality research and to publish the results in international journals. Additionally, documented grant writing skills are desirable. As the appointee will be involved in teaching courses at the department, experience in teaching will also be advantageous

### Conditions

Postdoctoral candidates are remunerated in code 1352, and are normally remunerated at gross from NOK 485,700 per annum before tax. There will be a 2% deduction to the Norwegian Public Service Pension Fund from gross wage.

The appointment of the Postdoctoral fellows will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees.

The Postdoctoral fellowship is awarded for 3 years.

For further information, please contact Professor Leif Rune Hellevik ([leif.r.hellevik@ntnu.no](mailto:leif.r.hellevik@ntnu.no)) tel. +47 73594535.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. Persons with immigrant background are encouraged to apply. NTNU's objective is to increase the number of females in scientific positions. Female applicants are therefore encouraged to apply.

### The application

The application must contain information of educational background and work experience. Certified copies of academic diplomas and certificates, copies of transcripts and two reference letters should be enclosed. Applications with CV, grade transcripts and other enclosures should be submitted via this webpage at [www.jobbnorge.no](http://www.jobbnorge.no). **Mark the application with IV-26/18.**

### Application deadline is 15 March 2018

*According to the new Freedom of Information Act, information concerning the applicant may be made public even if the applicant has requested not to be included in the list of applicants.*

### Tilleggsinformasjon

#### Arbeidssted: