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## Post-doctoral scholarship in 3D-printing for biomedical applications

at the Materials in Medicine Group, Division of Applied Materials Science, Department of Engineering Sciences, Uppsala University.

The scholarship is for 1 year with a possibility for 1-year extension, starting as soon as possible after the offer is made.

### Research environment:

Uppsala University is an international research university focused on the development of science and education. Our most important assets are all the individuals who with their curiosity and dedication make Uppsala University one of Sweden's most exciting work places. Uppsala University has 40,000 students, 7,000 employees and a turnover of SEK 6,5 billion.

The research at the Materials in Medicine Group is focused on biomaterials for orthopaedic and dental applications, and also includes projects on drug delivery and biomechanics. Information about the research group can be found at <http://www.teknik.uu.se/applied-materials-science/research-groups/mim/>

**Research description:** We are now looking for a suitable candidate to strengthen our research, in the field of 3D-printable biomaterials. The focus will be on printing of composite materials for orthopaedic applications. We currently have resin- and filament-based printers, and are developing more versatile, high-resolution printers. Your focus would be on studying and developing materials suited for the printers, as well as for the body.

### Qualifications required:

Formal qualifications needed are an undergraduate and PhD degree (or PhD degree expected before the start of the project) in materials engineering, chemical engineering, biomedical engineering or similar. You should have experience in biomaterials synthesis and characterization, preferably including experimental mechanical testing. Good oral and written proficiency in English is a requirement.

Experience in the following is also highly desired: 3D printing, polymer synthesis or functionalization, bioceramics, composite or hybrid materials, in vitro cell testing, imaging, CAD, student supervision. Good presentation skills is also highly desired.

We are looking for someone with good organizational skills and who is a good team player. We expect interdependency with a problem-solving mentality.

**Scholarship:** The scholarship amounts to 300 kSEK / year. The scholarship is for 1 year with a possibility for 1-year extension, subject to a performance evaluation.

**For further information** about the project, please contact Associate Professor Cecilia Persson (e-mail [cecilia.persson@angstrom.uu.se](mailto:cecilia.persson@angstrom.uu.se)).

### You are welcome to submit your application, including:

- Cover letter with a brief description of previous research, research interests, and qualifications.
- CV and list of publications.
- Copy of degree diploma, other official academic transcripts.
- Names of two reference persons, along with their contact details.

**no later than September 15<sup>th</sup>, 2017, to [cecilia.persson@angstrom.uu.se](mailto:cecilia.persson@angstrom.uu.se).**