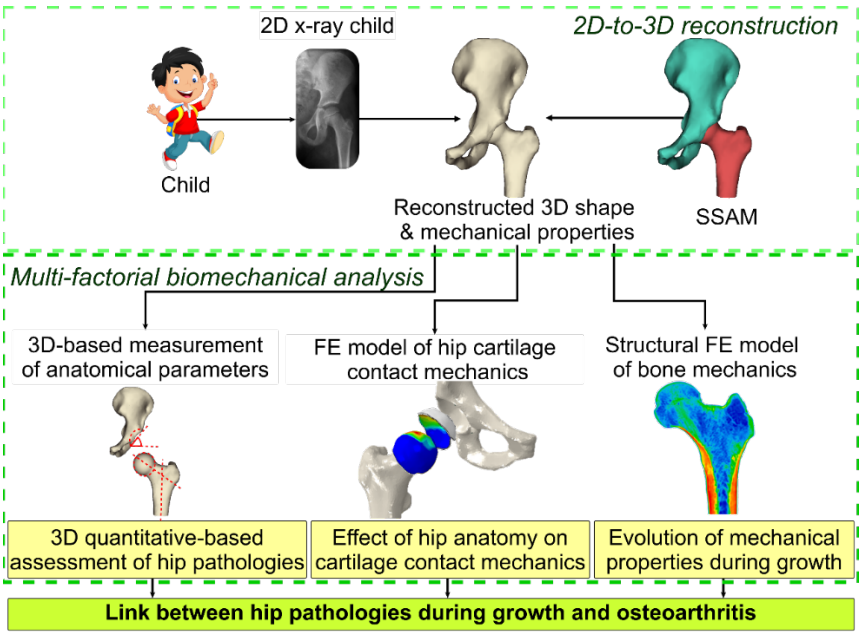
PhD opportunity at the Biomechanics group at Lund University, Sweden

What we are looking for

We are currently recruiting a PhD student to work on a project investigating the effect of hip anatomy and its biomechanical function on the development of hip-related diseases during growth, as well as their long risk to lead to osteoarthritis. The PhD project will include numerical analyses involving statistical shape modelling, 2D-to-3D reconstructions, and finite element analyses.



Candidates with a strong interest in numerical modelling, programming, and statistical shape modelling are strongly encouraged to apply. The successful candidate will work alongside the project supervisors, Ass. Prof. Lorenzo Grassi and Prof. Hanna Isaksson, to develop a statistical shape model of the whole hip that can encompass the anatomical variations occurring during all stages of growth.

What we offer

Lund University is one of the top-100 Universities in the world and it is in Southern Sweden. The Faculty of Engineering at Lund University offers a competitive treatment to their PhD students, see more information collected here: https://dokt.se/rights.

The biomechanics group has 12 scientists and does research in biomechanics covering multiple biological materials at different length scales, using both numerical and experimental techniques. The supervisors of this PhD project have a strong background in the topics covered by the project.

Where to apply

Applications must be sent through the official recruitment portal of Lund University, see the links below (English and Swedish):

https://lu.varbi.com/what:job/jobID:630169/?lang=en

https://lu.varbi.com/what:job/jobID:630169/?lang=se

Should you have any questions, please contact Ass. Prof. Lorenzo Grassi (lorenzo.grassi@bme.lth.se) or Prof. Hanna Isaksson (hanna.isaksson@bme.lth.se).

Deadlines

Applications must be sent before June 23rd, 2023. Ideally, we would like the candidate to start in Autumn 2023, but this can be negotiated with the successful candidate. The research opportunity will remain open until filled.