



UPPSALA
UNIVERSITET

Master thesis project on 3D-printed innovative biomaterials

We are looking for a motivated **Master Student** with a biological/biotechnological background for a thesis project about the biological characterization of a novel 3D-printed biodegradable metal alloy; Mg-based (Mg-Ca-Zn). Our research focuses on testing innovative biomaterials in close collaboration with other groups specialized in material science and based in Ångström Laboratory.

During this project you will evaluate the responses and the modifications that occur in osteoblastic and monocytic cell lines under different conditions, using multiple *in vitro* assays and fluorescence microscopy techniques. You will work in a detail-oriented work environment, you will develop your critical thinking and get a glimpse of the world of additive manufacturing from a biological perspective.

You will work in the **Department of Medical Cell Biology** located in the BMC building, Husargatan 3, in a really nice and relaxed work environment surrounded by many other students and researchers. If you have further questions, if you want to know more about us and the project or if you simply want to apply, you can contact us by email.

Gry Hulsart Billström, Associate senior lecturer/Assistant Professor at the Department of Medical Cell Biology, Bone Lab
Email: gry.hulsart_billstrom@mcb.uu.se

Niccoló De Berardinis, PhD student at the Department of Materials Science and Engineering, Biomedical Engineering, BMS / Bone Lab
Email: niccolo.deberardinis@angstrom.uu.se