BSc/MSc-project for students in Biomedical Engineering, DTU/KU

Title: **3D visualization of mummies**

Description: CT scanning is a non-invasive and non-destructive tool routinely used for studying mummies and skeletal remains. During the project, the students will have the possibility to work with the CT images of mummies from South America. The students will construct a biological profile of the mummy (age, sex, stature) and assess any sign of trauma and pathology. The anthropological analysis will be performed evaluating the 3D virtual models of bones and relevant soft tissues generated using imaging post-process software. The techniques learnt during the project can also be applied on CT scanning of forensic and clinical cases.

Required qualifications: basic anatomy of the skeleton. Desirable: experience with CT scanning viewers

Responsible institution: Section of Forensic Pathology, Department of Forensic Medicine

Contact information: Chiara.villa@sund.ku.dk

Allowed no of students per report: 1

KU supervisor: Chiara Villa, associate professor at the section of forensic pathology, Department of Forensic Medicine, Faculty of Health and Medical Sciences