



The research school “Food & Biomaterials” at SLU organizes the course

### **“Biomaterials on nanoscale” (5 hp)**

Course organizers: Vadim Kessler and Gulaim Seisenbaeva, Department of Molecular Sciences, SLU

#### **Preliminary content:**

The course includes lectures and individual project

#### *Lectures:*

Introduction to bionanomaterials

Introduction and demonstration of ESEM-EDS

Nano cellulose and its applications

Nanostructured bone materials

Nano cellulose in plant cell walls

Nano minerals and hybrid materials

Introduction and demonstration of AFM

Nanosystems for biomed-applications

Health effects of nanomaterials

Read more about the course here: <https://www.slu.se/en/education/programmes-courses/course/PNS0166/0/Biomaterials-on-nanoscale/>