Courses in English in Biosciences

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Faculty of Science and Engineering
Åbo Akademi University
The aim of the course is to provide basic insights into nanotechnology and its implications in pharmaceutical and biomedical sciences. After completing the course, the students are familiar with the basic concepts of nanotechnology with the main emphasis on nanomedical applications.

- Possibility to participate in research projects (to be agreed individually)
  - Computer-aided drug design project (Outi Salo-Ahen)
  - Drug Delivery and Pharmaceutical Technology (Prof. Niklas Sandler)
  - BioNanoMaterials (Prof. Jessica Rosenholm)
  - Functional Materials & Microfluidics (Assist. Prof. Hongbo Zhang)
Courses in English: Cell Biology
(at) abo.fi

■ Autumn 2017:
- 221008.0 Laboratory basics, 2 sp (Meinander)
- 222052.0 Bioimaging and Microscopy, 5 sp (Meinander)
- 223038.0 Advanced microscopy, 5 sp (Meinander)
- 222054.0 Histology and histopathology, 5 sp (Meinander)
- 221006.0 Introduction to cell biology, 3 sp (Kemppainen)
- 283007.0 Cell signaling, 8 sp (Kemppainen)

■ Spring 2018
- 223068.0 The structure and functions of the cytoskeleton, 8 sp (Kemppainen)
- 223001.0 Stem cells, 5 sp (Kemppainen)

■ 2017-2018:
- 222056.0 and 223094.0 Laboratory internship: 5sp/10 sp: Contact (Törnqvist)
- 223042.0 Reading course in cell biology (Törnqvist)

■ Biomedical Imaging (MSc program):
- http://www.bioimaging.fi/program/
- bima-office@bioimaging.fi
Courses in English: Biochemistry

- **Autumn 2017:**
  - 212023.0 Applied Bioinformatics, 5 sp

- **Spring 2018:**
  - 212021.0 Structural biology 5 sp
  - 213031.0 Computer aided drug design, 5 sp
  - 213014.0 Membrane biochemistry – proteins, 6 sp (Slotte)
  - 212016.0 Industrial biotechnology fermentation, 2 sp
  - 213027.0 Industrial biotechnology: Advanced studies, 3 sp

- **2017-2018:**
  - Project work in research groups 12-25 sp (Slotte)
  - 213029.0 Project in integrative structural bioinformatics, 15 sp
  - 212006.0 Literature course in microbiology, 5 sp (Email: Roos-Mattjus)
  - 213015.0 Glycobiology - Biochemistry of Complex Carbohydrates 6 sp (Mattjus)
  - 213026.0 Fluorescence spectroscopy, 8 sp (Slotte)
  - 213022.0 Lipid metabolism, 8 sp (Slotte)
  - 213024.0 The structure of biological membranes, 8 sp (Slotte)
Sign-up and updated course timetables

- You can find links to the updated course timetables on the website:
  - NOTE: Timetable in MinPlan might not be up-to-date!

- IN GENERAL: Sign-up via MinPlan if requested
- You can always email teachers
  - Firstname.lastname@abo.fi
Courses in English: Structural bioinformatics

https://www.abo.fi/fakultet/coursesbiosci
- Sign-up in advance electronically

Autumn 2017:
- 212023.0 Applied Bioinformatics, 5 sp

Spring 2018:
- 212021.0 Structural biology, 5 sp
- 213031.0 Computer-aided drug design, 5 sp

2017-2018:
- 213029.0 Project in integrative structural bioinformatics, 15 sp
- Project work in research groups 12-25 sp
# Sign-up

## Courses

### Courses in English in Structural Bioinformatics and Fermentation

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Open</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>213017.0</td>
<td>Computer aided drug design/Datorbaserad läkemedelsdesign, 5 sp</td>
<td>01 Aug 2017</td>
<td>31 Mar 2018</td>
</tr>
<tr>
<td>212021.0</td>
<td>Structural biology/Strukturbioologi</td>
<td>01 Aug 2017</td>
<td>28 Feb 2018</td>
</tr>
<tr>
<td>212016.0</td>
<td>Industrial Biotechnology: Fermentation 2016A</td>
<td>17 Oct 2017</td>
<td>01 Nov 2017</td>
</tr>
<tr>
<td>212023.0</td>
<td>Applied Bioinformatics/Tillämpad bioinformatik</td>
<td>01 Aug 2017</td>
<td>30 Sep 2017</td>
</tr>
</tbody>
</table>

### Courses in English in Biochemistry

Presentation on the Orientation week:

**Students from other Finnish Universities**

If you are not studying at Åbo Akademi University you must fill in the [JOO application form](#) using the electronic application.

Sign-up for the courses (Electronic Sign-up system) listed on this page:

Sign-up for the courses using the electronic sign-up system, please.

Information about the course sign-up, deadlines for sign-up and link to the Sign-up system can be found under each course.
Sign-up

Course Sign-Up

Existing users: Login

Email
Password

2. Fill in your Email address
3. Fill in the password you got by email

Login

New users: Register

Send a new password to this address:

Email

1. Request for a password

Tiina Salminen
Åbo Akademi student number:
Non-ÅA student number:
Department:

ÄA MNF Biovetenskap

You are currently signed up for
no courses.

Available courses

212023.0 Applied Bioinformatics/Tillämpad bioinformatik; deadline 2017-09-30

Lost password?

Register your email address again. A password reminder message will be sent to your address.
Biocity

Biocity 1A
- Aud. Wikgren

Biology
- Biocity 2A
- Kurssalen

Biochemistry
- Biocity 3A
- Aud. Biokemi

Pharmacy
- Biocity 3A
- Aud. Farmaci
BioCity Key

- Petra Lindholm  
  Facilities Services, Gripen 1 floor, Hämeenkatu 13  
  Tel: 02-215 3286  
  E-post: tekserv@abo.fi

- Biocity Åbo campus, Esmikko key  
The key can be collected at

- Facilities Services, Gripen, ground floor, Hämeenkatu 13  
  [Mon-Fri 9-12, 13-15]
BioCity Turku Research Programmes

In the winter 2016 seven research programmes selected by a committee formed by rectors of University of Turku and Åbo Akademi University were selected to join BioCity Turku for the five year period (2016-2020):

- Advanced Bioresources and Smart Bioproducts – Towards Sustainable Bioeconomy
- Biomaterial and Medical Device Research Programme
- Computational and Molecular Methodologies for Life Sciences
- Diagnostic Technologies and Applications
- Lifespan of Cardiovascular, Inflammatory, Endocrine & Metabolic Disorders - LIFESPAN
- Receptor Programme
- Translational Infectious Disease and Immunity Research Programme

The seven research programmes contain together more than 100 research groups and about 1000 researchers and students. The directors of the programmes meet frequently with the scientific director and they have an active role in the decision making process.
Thank you for your attention!
See you in BioCity!