

# Favourites



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## Single-Cell Technologies in Life Sciences

Vrije Universiteit Amsterdam

Other Summer course Amsterdam

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### Course description

Qualification None

Field of study General programmes

Course summary Life Sciences research at the level of individual cells is a rapidly developing research area. Traditional single-cell technologies such as cytometry and microscopy are being used in combination with

Course description This intensive course combines theory with practice and will provide participants with in-depth and up-to-date expertise on advanced cytometry and microscopic imaging techniques. It is sure to be invaluable to everyone who is planning to complete a research internship. The course is divided into two parts: cytometry and microscopy. The cytometry lectures will teach students the principles of fluorescence cytometry analysis and sorting, imaging flow cytometry, and mass cytometry. Students will also be required to attend a demonstration session on cytometry and will learn all about essential data analysis methods (from multicolour cytometry to multidimensional data analysis) through tutorials and work group sessions. This part of the course will include an exciting lecture on the emerging field of single-cell genomics. The second part of the course will focus on light microscopy on live and fixed specimens, confocal laser scanning microscopy, electron microscopy, and light-sheet microscopy. Special attention will be given to image analysis in a tutorial on ImageJ and other commonly used software applications.

Study subjects -

Course



objectives -  
ECTS credits 0.00  
Duration 2 week(s)  
full-time  
Language of instruction English  
Instruction modes -  
Accreditation -

## About the institution

Department -  
Information about the institution Ever since it was founded in 1880, Vrije Universiteit Amsterdam has been known for its distinctive approach to knowledge. VU is an open organization, strongly linked to people and society.

## Admission

Admission requirements  
Language requirements  
Professional experience required -  
Duration 2 week(s)  
full-time  
Application deadlines **Start date EU/EEA Students Non-EU/EEA students**  
20 Jul 2019 1 May 2019 -  
**Year EU/EEA Non-EU/EEA Institutional**  
2019 (FT) € 1150 € 1150 € 1150

In short, the following rules apply:

- Tuition fees
- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
  - The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.
  - The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
  - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.



Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships

-

For more scholarships, visit: [www.grantfinder.nl](http://www.grantfinder.nl)

Course website

[More information about the course](#)

## Contact

Contact information for the study programme **studievoorlichting**  
contact@vu.nl

Contact information for the institution **studievoorlichting**  
study info  
contact@vu.nl

Telephone number (020) 598 5000

Course website [More information about the course](#)

Institution website [More information about the institution](#)  
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