

Module Description

name of the module	The cell at high resolution (WM-21)
start	June-July
duration	2 - 3 weeks; limited number of students
location	University of Freiburg, Faculty of Biology
contact person	Winfried Römer (winfried.roemer@bioss.uni-freiburg.de)
ECTS (regular/max)	9
examination	Preparation and presentation of a seminar
graded	no
description of content	Comprehensive overview and practical experiences in various cell biology topics and high/super resolution microscopy techniques covering the following areas: Endocytosis, vesicular trafficking, cellular compartments, polarized cells, fluorescence microscopy, electron microscopy, Atomic force microscopy

Links to the detailed description of the courses of this module (incl. schedule):

- [Lecture: Cell biology at high temporal and spatial resolution](#)
- [Practical exercises: High resolution microscopy techniques](#)
- [Seminar: Biological applications of high-resolution microscopy techniques](#)