Module description

---

**Single Cell Biology**

**Abbreviation**

03-98-SCB-192-m01

---

**Module coordinator**

holder of the Chair of Molecular Infection Biology I

**Module offered by**

Chair of Molecular Infection Biology

---

**ECTS**

5

---

**Method of grading**

numerical grade

---

**Duration**

1 semester

---

**Module level**

graduate

---

**Other prerequisites**

--

---

**Contents**

The Single Cell Biology course is at the interface of genomics, bioinformatics, biology and pathology. It will give an introduction of the most recent technologies for single cell analysis and an overview of the application of single cell biology across the medical field (cancer, immunology, cardiovascular diseases, and infectious diseases). Practical components will allow the students to be familiarized with the basic tools to perform data analysis.

---

**Intended learning outcomes**

Students are familiar with fundamental concepts of single cell biology throughout the life sciences and they can apply basic procedures to analyze single cell data sets.

---

**Courses**

(V 1,5) + (Ü 0,5)

Module taught in: Englisch

---

**Method of assessment**

a) written examination (approx. 60 minutes)

Language of assessment: English

creditable for bonus

---

**Allocation of places**

--

---

**Additional information**

--

---

**Referred to in LPO I**

(examination regulations for teaching-degree programmes)

--

---

**Module appears in**

Master’s degree (1 major) Biomedicine (2018)

Master’s degree (1 major) Biochemistry (2019)

---

JMU Würzburg • generated 17.09.2019 • Module data record 110287