

# Studienverlaufsplan M.Sc. Molecular Biomedicine

## Schwerpunkt: Neurosensorik

|            | 1. Hälfte                                           | 2. Hälfte                                          | Vorlesungsfreie Zeit                     |
|------------|-----------------------------------------------------|----------------------------------------------------|------------------------------------------|
| 1.<br>WiSe | 12 CP - Molecular Genetics & Cell Biology           | 12 CP - Biochemical Concepts in Signaltransduction |                                          |
|            | 3 CP - Microscopic Imaging in Biomedical Science    |                                                    |                                          |
| 1.<br>SoSe | 12 CP – Visual Neuroscience: Physiology and Anatomy | 12 CP - Mol. & Cell. Biology of Hearing & Deafness | 3 CP-<br>Laboratory<br>Animal<br>Science |
|            | 3 CP – Journal Club                                 | 6 CP - Gene-based Therapies in Human Diseases      |                                          |
| 2.<br>WiSe | 15 CP – Research Project<br>Molecular Biomedicine   | 6 CP – Regenerative Medicine in Ophthalmology      |                                          |
|            |                                                     | 6 CP - Research Techniques Molecular Biomedicine   |                                          |
| 2.<br>SoSe | 30 CP - Master Thesis Module                        |                                                    |                                          |

## Studienverlaufsplan M.Sc. Molecular Biomedicine Schwerpunkt: Genetik

|            | 1. Hälfte                                         | 2. Hälfte                                             | Vorlesungsfreie Zeit                                          |
|------------|---------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
| 1.<br>WiSe | 12 CP - Molecular Genetics & Cell Biology         | 6 CP - Research Techniques<br>Molecular Biomedicine   |                                                               |
|            |                                                   | 6 CP - Genetic Diagnostics                            |                                                               |
| 1.<br>SoSe | 15 CP – Research Project<br>Molecular Biomedicine | 12 CP - Mol. & Cell. Biology of<br>Hearing & Deafness |                                                               |
|            |                                                   | 6 CP - Gene-based Therapies in<br>Human Diseases      |                                                               |
| 2.<br>WiSe | 6 CP – Current Topics in Clinical<br>Research     | 6 CP - Current Topics in Genetics                     | 15 CP – External<br>Research Project<br>Molecular Biomedicine |
|            | 3 CP – Journal Club                               | 3 CP - Ethics in Medicine                             |                                                               |
| 2.<br>SoSe | 30 CP - Master Thesis Module                      |                                                       |                                                               |

## Studienverlaufsplan M.Sc. Molecular Biomedicine Schwerpunkt: degenerative Erkrankungen

|            | 1. Hälfte                                           | 2. Hälfte                                        | Vorlesungsfreie Zeit |
|------------|-----------------------------------------------------|--------------------------------------------------|----------------------|
| 1.<br>WiSe | 6 CP – Immunology and Inflammation                  | 6 CP - Genetic Diagnostics                       | 6 CP – Tumor Biology |
|            | 6 CP – Clinical Aspects of Degenerative Diseases    | 6 CP - Research Techniques Molecular Biomedicine |                      |
| 1.<br>SoSe | 12 CP – Visual Neuroscience: Physiology and Anatomy | 6 CP – Biophysical Chemistry                     |                      |
|            | 3 CP – Journal Club                                 | 6 CP - Cellular and Subcellular Structures       |                      |
| 2.<br>WiSe | 15 CP – Research Project Molecular Biomedicine      | 15 CP – Research Project Molecular Biomedicine   |                      |
|            | 3 CP - Microscopic Imaging in Biomedical Science    |                                                  |                      |
| 2.<br>SoSe | 30 CP - Master Thesis Module                        |                                                  |                      |