

<b>Program of Studies:</b>	<b>Master Program Bioinformatics</b>
<b>Name of the module:</b>	<b>Special-topic Lecture Biosciences: Advances in Drug Delivery – Prospects for Vaccination</b>
<b>Abbreviation:</b>	<b>B-M-5</b>
<b>Subtitle:</b>	-
<b>Modules:</b>	Lecture: 2 h (weekly)
<b>Semester:</b>	2nd semester / every summer semester
<b>Responsible lecturer:</b>	JProf. Dr. Sangeun Lee
<b>Lecturer:</b>	JProf. Dr. Sangeun Lee, Dr. Brigitta Loretz
<b>Language:</b>	English
<b>Level of the unit/ Mandatory or not:</b>	Graduate course / mandatory elective
<b>Total workload:</b>	90 h = 30 h of classes (lecture), 60 h of private study
<b>Credits:</b>	3
<b>Entrance requirements:</b>	None
<b>Aims/Competences to be developed:</b>	Get to know about immunology behind the vaccines, and overview of vaccine formulation, administrations, and history
<b>Content:</b>	<ul style="list-style-type: none"> <li>- Basics of immunology</li> <li>- Methods in immunology</li> <li>- Vaccines, antigens and adjuvants</li> <li>- Vaccine formulations</li> <li>- Vaccine biopharmacy</li> <li>- History lecture, and question session</li> </ul>
<b>Assessment/Exams</b>	Written exam
<b>Grade:</b>	Grade of the exam
<b>Literature:</b>	Will be announced at the beginning of the course