

<b>Program of Studies:</b>	<b>Master Program Bioinformatics</b>
<b>Name of the module:</b>	<b>Advances in Drug Delivery – Prospects for Vaccination</b>
<b>Abbreviation:</b>	<b>B-M-6</b>
<b>Modules:</b>	Advances in Drug Delivery: Prospects for Vaccination
<b>Semester:</b>	1 <sup>st</sup> -4 <sup>th</sup> semester, every summer term
<b>Responsible lecturer:</b>	Dr. Sangeun Lee
<b>Lecturer:</b>	Dr. Sangeun Lee, Dr Brigitta Loretz
<b>Language:</b>	English and German
<b>Level of the unit/ Mandatory or not</b>	Graduate course / mandatory elective – Advanced Lectures of Life Sciences
<b>Course type/weekly hours:</b>	Weekly lectures (2 SWS)
<b>Total workload:</b>	90 h = 30 h in class and 60 h private study and assignments
<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>Literature:</b>	Will be announced at the beginning of the course