

<b>Module</b>	<b>Computational Life Sciences Seminar</b>
<b>Code</b>	V5_8
<b>Degree Programme</b>	Master of Science in Life Sciences (MSLS)
<b>ECTS Credits</b>	3 ECTS
<b>Workload</b>	90 h (2 lessons per week - 30h contact, 60h self-study)
<b>Module Coordinator</b>	<p><b>Name</b> Dr. Victor Garcia</p> <p><b>Phone</b> +41 (0) 58 934 55 46</p> <p><b>Email</b> gara@zhaw.ch</p> <p><b>Address</b> ZHAW Zürcher Hochschule für Angewandte Wissenschaften Life Sciences and Facility Management Schloss 1 CH-8820 Wädenswil</p>
<b>Lecturers</b>	Various lecturers
<b>Entry Requirements</b>	There are no formal requirements, however, we encourage students to participate after completion of the second semester of their master studies. The number of participants will be restricted to twelve students per semester.
<b>Learning Outcomes and Competences</b>	<p>After completing the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• Read and understand scientific texts in the field</li> <li>• Critically reflect on a text and put it on a broader context</li> <li>• Summarise and present a text</li> <li>• Initiate a discussion based on original thoughts and questions</li> <li>• Protocol/summarise such discussions</li> </ul>
<b>Module Content</b>	We will treat important/classical papers that are --in a broad sense-- relevant for the field of computational life science.
<b>Teaching / Learning Methods</b>	<ul style="list-style-type: none"> <li>• Self study texts</li> <li>• Weekly seminar with presentations by students and discussions in plenum and in groups</li> <li>• Protocolling of discussions and report writing</li> </ul> <p>Specifically, each student will select a paper, read it carefully, and give a presentation in the seminar. Subsequently, (s)he will initiate a discussion in class and summarise the findings in a report or protocol.</p> <p>Further, prior to each presentation, all students are required to read the corresponding paper, and contribute in advance one discussion question per email.</p>
<b>Assessment of Learning Outcome</b>	<p>Attendance is highly recommended.</p> <ul style="list-style-type: none"> <li>• a presentation in the seminar (~30min) with initiation of a discussion in class 70%</li> <li>• a report reflecting on the discussion 30%</li> </ul>
<b>Bibliography</b>	Selected original papers
<b>Language</b>	English

<b>Comments</b>	-
<b>Last Update</b>	06.03.2026