## Studies Plan

### EDMS - Molecular Life Sciences 2024-25

#### Core courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Exam</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Advanced Microscopy for Life Science</td>
<td>E</td>
<td>BIO-659</td>
<td>Seitz</td>
<td>Oral presentation</td>
<td>3</td>
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<tr>
<td>(Every year in September. To register, contact EDMS Administration)</td>
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<tr>
<td>Bioinformatic Analysis of RNA-sequencing</td>
<td>E</td>
<td>BIO-693</td>
<td>Burns Guex Isati Jan Mhalla</td>
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<tr>
<td>Hot Topics in Cancer Research</td>
<td>E</td>
<td>BIO-684</td>
<td>Various lecturers</td>
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<tr>
<td>(All year long. Course open to maximum 20 PhD students.)</td>
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<tr>
<td>Image Processing for Life Science</td>
<td>E</td>
<td>BIO-695</td>
<td>Burri Chiaruttini Guiet Seitz</td>
<td>Written &amp; Oral</td>
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<td>(This course is open to max. 16 students. To register, contact EDMS program administrator.)</td>
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<tr>
<td>Integrative structural biology for Life sciences</td>
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<td>Abriata Ducho Lau Pojer</td>
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<tr>
<td>(Registration via <a href="mailto:edms@epfl.ch">edms@epfl.ch</a>)</td>
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<td>Lectures in Life Sciences 1</td>
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<td>BIO-670(1)</td>
<td>Various lecturers</td>
<td>Term paper</td>
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<td>Ablasser Decout Guey</td>
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<td>(3-day Block course, every year in January. To register, contact EDMS Administration)</td>
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<td>Practical - Antanasijevic Lab</td>
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<td>Barth Oggier</td>
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<tr>
<td>Practical - Blokesch Lab</td>
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<td>Blokesch</td>
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<td>Practical - D’Angelo Lab</td>
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<table>
<thead>
<tr>
<th>Course ID</th>
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<th>Type</th>
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<tbody>
<tr>
<td>E BIO-639</td>
<td>EDMS</td>
<td>Capolupo Crotta Asis D'Angelo Haj Abdullah Alesh</td>
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<td>E BIO-680</td>
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<td>De Palma</td>
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<td>E BIO-616</td>
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<td>Karthaus Krapp Stoudmann</td>
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<td>La Manno</td>
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<td>Lemaître</td>
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<td>Katanayeva Oricchio</td>
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<td>Schoonjans</td>
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<td>E BIO-618</td>
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<td>Schuhmacher</td>
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<td>E BIO-603(SH)</td>
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<td>E BIO-679</td>
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### Practical - Tang Lab
(3-day Block course, every year in January. To register, contact EDMS Administration)

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<tr>
<th>E</th>
<th>BIO-603 (TL)</th>
<th>EDMS</th>
<th>Tang</th>
<th>Multiple</th>
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### Practical - Trono Lab
(3-day Block course, every year in January. To register, contact EDMS Administration)

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<th>E</th>
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<th>EDMS</th>
<th>Offner, Raclot, Turelli</th>
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### Practical - Van der Goot Lab
(3-day Block course, every year in January. To register, contact EDMS Administration)

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<thead>
<tr>
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<th>BIO-640</th>
<th>EDMS</th>
<th>van der Goot</th>
<th>Project report</th>
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### Recombinant protein expression in animal cells for applications in medicine and structural biology
(Every year)

<table>
<thead>
<tr>
<th>E</th>
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<th>EDMS</th>
<th>Abriata, Hacker, Lau, Pojer</th>
<th>Oral presentation</th>
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### Training Rotation (EDMS)
(All year long - Training rotations must be approved by the supervisor, by the host laboratory, as well as by the doctoral program director)

<table>
<thead>
<tr>
<th>E</th>
<th>BIO-699 (m)</th>
<th>EDMS</th>
<th>Prof. divers</th>
<th>Project report</th>
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### Other doctoral courses (EDOC)

| | | | | | |
|---|---|---|---|---|
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| | | | | |

### Courses

<table>
<thead>
<tr>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Exam</th>
<th>Credit</th>
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</table>
| The making of an innovative medicine
(Next time: Fall 2024) |
<table>
<thead>
<tr>
<th>E</th>
<th>BIO-698</th>
<th>EDBB</th>
<th>Clerc</th>
<th>Oral presentation</th>
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