Basic requirements:
PSL 828: *Cellular and Integrative Physiology I*
PSL 829: *Cellular and Integrative Physiology II*
Electives *(any topic - at least 3)*
PSL 950 *(topics in physiology – at least 4)*

Anticipated Time Line:

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Elective&lt;br&gt;Elective (PSL813: Molecular mechanisms of human disease and targeted therapies - recommended)</td>
<td>PSL 828: <em>Cellular and Integrative Physiology I</em>&lt;br&gt;Elective</td>
</tr>
<tr>
<td>2</td>
<td>PSL 829: <em>Cellular and Integrative Physiology II</em>&lt;br&gt;PSL 950: <em>Topics in Physiology</em></td>
<td>PSL 950: <em>Topics in Physiology</em>&lt;br&gt;Potential elective (thesis work specific)&lt;br&gt;Focus on research project (thesis)</td>
</tr>
<tr>
<td></td>
<td>Committee selection&lt;br&gt;Comprehensive Exam (written project proposal, research presentation, committee questions)</td>
<td>End of year 2 – beginning of year 3</td>
</tr>
<tr>
<td>3</td>
<td>PSL 950: <em>Topics in Physiology</em>&lt;br&gt;Focus on research project</td>
<td>PSL 950: <em>Topics in Physiology</em>&lt;br&gt;Focus on research project</td>
</tr>
<tr>
<td>4 and 5</td>
<td>Focus on research project</td>
<td>Focus on research project</td>
</tr>
</tbody>
</table>

Sample curricula: Below are a couple of suggestions how a PSL curriculum could look like:

- **Cancer topic:**
  - PSL 828, PSL 829
  - PSL 813
  - MMG/GEN 835
  - BMB 801
  - BMB/MMG/PSL 825

- **Inflammation/metabolism topic:**
  - PSL 828, PSL 829
  - PSL 813
  - MMG 851
  - PDI 851
  - BMB/MMG/PLS 825 or BMB 802

- **Muscle topic:**
  - PSL 828, PSL 829
  - PHM/PSL 827
  - BMB 801
  - BMB 802
  - PHM 830

Continued Education:

- Students are expected to attend the weekly PSL seminars
- Students are allowed to take additional classes/courses as they fit into their research work and are approved by the mentor
- Throughout their thesis work, students will be required to present their work twice a year to the PSL community – either in form of talks or posters
- Students are encouraged to participate in PSL students initiated activities

Contacts:

- Director, Research and Graduate Studies: Susanne Mohr, PhD
  - 3175 BPS
  - 517-884-5114
  - mohrs@msu.edu
- Administrative Assistant: Ms Kim Crain
  - 2240C BPS
  - 517-884-5075
  - Crain@msu.edu
- PSL Student Representatives:
  - Jonathan Kasper
    - 3110 BPS
    - 517-884-5078
    - kasperjo@msu.edu
  - Derrick Feenstra
    - 3153 BPS
    - 517-884-5106
    - feenst14@msu.edu