## SGUNITED TRAINEESHIP JOB DESCRIPTION

### SECTION 1: POSITION DETAILS

<table>
<thead>
<tr>
<th>Job Title for Posting</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D Engineer Trainee</td>
<td>School of Materials Science and Engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Appointment Grade &amp; Job Profile Name (Job Family)</th>
<th>Cost Centre / WBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name and Job Title of Reporting Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asst Prof Czarny Bertrand Marcel Stanislas</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Position ID</th>
<th>Reason for Recruitment (New / Replacement)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>New</td>
</tr>
</tbody>
</table>

### SECTION 2: KEY JOB & TRAINEESHIP PURPOSE

Provide a summarized statement on the job and traineeship.

To Assist in project on “Studying the effect of surface modifications of exosome mimetic nanovesicles for eye applications”
- Plan and carry out experiments in an organized and timely manner
- Assist in analyzing data obtained from the experiments
- Present data for group meetings
- Independently work and solve problems
- To use and maintain laboratory equipment’s

### SECTION 3: KEY RESPONSIBILITIES

List the key responsibilities and accountabilities that must be achieved.

- Design and plan experiments for the completion of the project
- Research relevant articles to understand the progresses in the area and utilize it for the progress of the project

### SECTION 4: COMPETENCIES AND QUALIFICATION REQUIREMENTS

List Knowledge, Experience, Skills, Competencies and Qualifications

- Bachelors of Engineering (preferable in Materials Science and Engineering) or Science (Biology, Medicine)
- Ability to work independently and as part of a team with strong initiative
- Good communication and interpersonal skills
- Hands on experience in working in a wet chemistry or biology lab
- Ability to think independently and logically to solve problems

### SECTION 5: ABRIDGED VERSION OF JOB DESCRIPTION AND REQUIREMENTS

For job posting and attachment to offer letter

Study of the effect of surface modifications of exosome mimetic nanovesicles for eye applications will involve work in a laboratory set up carrying out hands on experimentation, analyzing data and presenting in work group meetings. Actively undergo training and participate in maintaining laboratory equipment.
## SECTION 7: STATUTORY MEDICAL EXAMINATION REQUIREMENT

Indicate if the role will be exposed to any of the hazards as listed, which requires the incumbent to undergo the statutory medical examinations.

1. No Exposure  
   (Please click “No Exposure” for the drop down list)

2. No Exposure  
   (Please click “No Exposure” for the drop down list)

Please indicate if there are more than 2, out of the 16 hazards stated in the dropdown list.