## RESEARCH Assistant Position

To be posted on local website and sent to: AMURE_POSTINGS@LISTS.MCGILL.CA and president@aerum-amur.ca

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Cleanroom Equipment Specialist (AC01)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervisor:</td>
<td>Zhao Lu</td>
</tr>
<tr>
<td>Work Location:</td>
<td>ERB012, Rutherford Building, McGill University</td>
</tr>
<tr>
<td>Hours/Week and Schedule:</td>
<td>40 hours/week</td>
</tr>
<tr>
<td>Hourly Wage:</td>
<td>As per the collective agreement, to be determined by experience: <a href="https://mcgill.ca/hr/files/hr/collective_agreement_-_final_version_for_signature_on_june_18_2018.pdf">https://mcgill.ca/hr/files/hr/collective_agreement_-_final_version_for_signature_on_june_18_2018.pdf</a></td>
</tr>
<tr>
<td>Duration:</td>
<td>1 year, renewable</td>
</tr>
<tr>
<td>Date of Posting:</td>
<td>November 19, 2018</td>
</tr>
<tr>
<td>Deadline to Apply:</td>
<td>December 3, 2018</td>
</tr>
</tbody>
</table>

### Job Summary

- The McGill Nanotools Microfab Facility (MNM) is a shared facility on McGill’s downtown campus serving academic, industrial and government researchers in micro- and nano-technology by providing services such as prototyping fabrication, cleanroom access, training and contract services, etc. [https://www.mcgill.ca/microfab/research](https://www.mcgill.ca/microfab/research). To meet the increasing needs of the MNM users and customers, a Research Assistant will be hired to mostly work in the performance of his or her duties in a cleanroom environment.
- Advise on the research of academics and students, support teaching, train academics and students; supervise projects and designs, develop equipment manuals, provide academic and technical support including process development and equipment usage.
- Advise on and support publications and develop or update protocols.
- Install, modify, upgrade, and maintain complex cleanroom equipment for micro, nanofabrication processes like photolithography, metallization, deposition and dry/wet etching.
- Advise on projects including process development and standardization protocols for cleanroom equipment and procedures.
- Develop and maintain documentation and records on technical documents including chemical inventories, responsibility for safety procedures and issues.

### Education / Experience

- For Research Assistant – minimum requirement: Master’s

- Master’s degree and education/experience in physics, mechanics or electronics is required.
- Experience in plasma etching, such as DRIE, RIE and ICP is a strong asset.
- Experience in electron-beam lithography.
### Other Qualifying Skills and Abilities

- Experience in gas network (gas cabinets, orbital welding, scrubbers, burning boxes, gas monitoring system, etc.) is an asset
- Ability and experience working in heavy cleanroom equipment for several hours in row
- Knowledge of the safety standards, building codes and best practices for cleanroom facilities is an asset
- Fluent in English with excellent writing skills (ideally experienced in academic publications)
- Basic French language skills are a plus

### HOW TO APPLY

Please submit your electronic application (your CV and cover letter, saved in one document) via the web at [https://www.hreng.mcgill.ca/applicant](https://www.hreng.mcgill.ca/applicant) (Click on “Apply Now” after logging in)

We thank all applicants for their interest, but only candidates considered for hiring will be contacted.

*McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.*