

**Research Group: Nanochemistry**

The [Nanochemistry Research Group](#) is dedicated to answering fundamental questions of chemistry, catalysis, and materials science in important energy and environmental challenges. We are looking for a qualified Research Fellow (Postdoc) to join our team and work in the development of novel catalysts and electrodes for alkaline water electrolysis.

<b>Job Title:</b>	<b>Research Fellow (Postdoc) - Catalysts and electrodes for alkaline water electrolysis</b>
<b>PRR Agenda (s):</b>	<b><i>Moving2Neutrality</i></b>
<b>Project Title (s):</b>	<b><i>Development of ALK electrolyzers</i></b>
<b>Job Reference:</b>	<i>RRP.11.29.02.5</i>
<b>Contract duration:</b>	<i>27 months</i>
<b>Expected hiring date:</b>	<i>October 2023</i>
<b>Main Job Duties:</b>	<ul style="list-style-type: none"> <li>• Chemical and physical modification of electrodes for performance improvement</li> <li>• Research on the associated electrochemistry</li> <li>• Writing scientific reports and papers based on the obtained results</li> </ul>
<b>Required Qualification:</b>	PhD in Natural Sciences or Engineering.
<b>Mandatory requirements:</b>	<ul style="list-style-type: none"> <li>• Experience in electrochemistry and electrocatalysis</li> <li>• Expert of the water electrolysis</li> <li>• Experience in nanomaterials synthesis</li> <li>• Hands-on experience in characterization techniques</li> </ul>
<b>Other preferred qualifications:</b>	<ul style="list-style-type: none"> <li>• Experience in the field of alkaline electrolyzers</li> <li>• Attention to details, good observation skills</li> <li>• Experience in the field of thin film deposition</li> <li>• Excellent team player in multidisciplinary environment</li> <li>• Good writing, organization, and communication skills</li> <li>• Strive to contribute with new ideas</li> </ul>
<b>Supervisor:</b>	Dr. Yury V. Kolen'ko