



Korea Institute of Science and Technology  
Clean Energy Research Center

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## Postdoctoral Position in Ion-exchange Membranes at KIST e-Chemical Team

A postdoctoral position is available immediately in the Koh Research Group ([kohgroup.org](http://kohgroup.org)) of the e-Chemical Team at Korea Institute of Science and Technology (KIST). We are looking for a highly-motivated, self-driven individual to work in the field of ion-exchange membranes for electrochemical CO<sub>2</sub> reduction. The e-Chemical Team at KIST consists of seven groups that focus on essential topics for electrochemical conversion of CO<sub>2</sub> and biomass-derived organic materials using renewable electricity. These include ion-exchange membranes, polymeric binders, electrocatalysts, reactors for the electrochemical applications. The project will be carried out in collaboration with the groups of KIST e-Chemical Team ([e-chemical.org](http://e-chemical.org)).

### Job overview:

- One-year renewable position
- On-site work at KIST in Seoul, South Korea

### Responsibilities:

- Conduct research on ion-exchange membranes (IEMs) for CO<sub>2</sub> reduction, including synthesis of new polymers and fabrication/analyses of IEMs;
- Design experiments, accumulate and analyze data in the lab;
- Communicate well through well-documented reports and oral presentations;
- Publish high-quality papers;
- Collaborate with the group members;
- Manage the purchase and/or fabrication of equipment, supplies, and chemicals;
- Perform minor organizational tasks.

### Qualifications:

- Ph.D. in chemical engineering, chemistry, materials science or in other related fields
- Good command of written and spoken English
- Ability to collaborate and communicate well with others
- Excellent research skills and publication record
- Strong background in ion-exchange membranes and/or polymer chemistry and/or electrochemistry

### Place of work:

[5, Hwarang-ro 14-gil, Seongbuk-gu, Seoul, 02792 South Korea](#)

**Applications** can be sent to Dr. Jai Hyun Koh at [jhkoh@kist.re.kr](mailto:jhkoh@kist.re.kr):

- CV
- Cover letter
- Names and contact information of at least two references