

Faculty Name:

Ngai Yin Yip

Faculty Email:

n.y.yip@columbia.edu

Lab:

Water-Energy-Environment Lab

Project Title:

Harvesting lithium from brines using ion-selective membranes

Description:

A position is available for an undergraduate research assistant in the Department of Earth and Environmental Engineering. The individual will research selective separations with ion-selective membranes, including membrane characterization and transport modeling. The project's overarching aim is to advance selective separations, including isolating lithium ions from mixed cations in hypersaline brines. The successful applicant is expected to work with project team members and be independent in conducting lab experiments. General background in physics and chemistry is required. Additional background in transport phenomena, thermodynamics, and electrochemistry is preferred.

Location of Research:

On-Site

of hrs/week:

40

Department/Program:

Earth and Environmental Engineering

Eligibility:

General background in physics and chemistry is required. Additional background in transport phenomena, thermodynamics, and electrochemistry is preferred. BS, First Year, Second Year, and Third Year.

To apply, please contact:

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