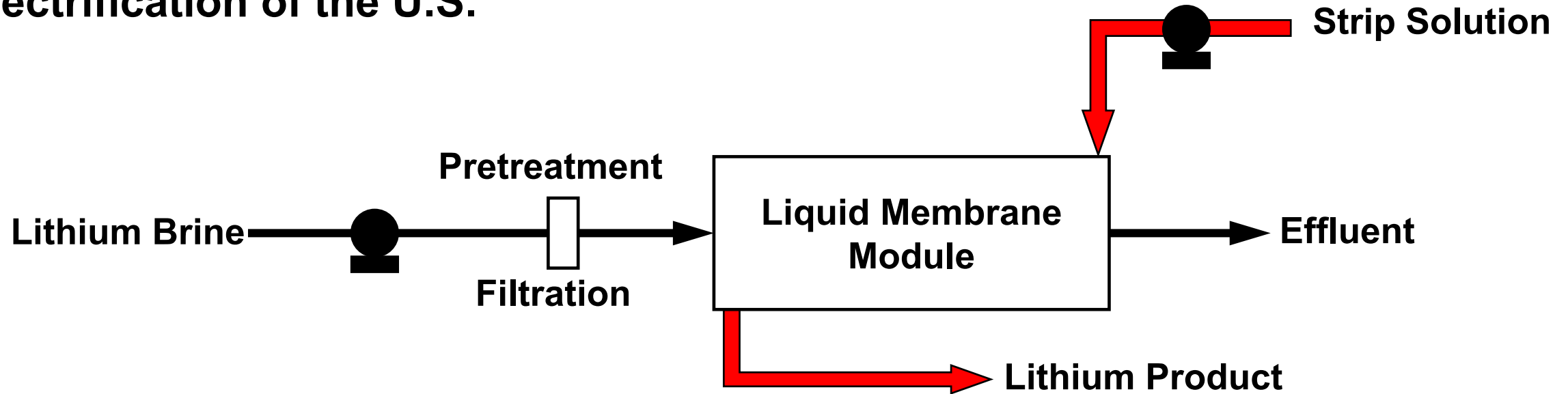


Efficient and Effective Direct Lithium Extraction

Drs. Yang Han and Winston Ho, The Ohio State University

- **Develop a liquid membrane to extract lithium efficiently and cost-effectively for electrification of the U.S.**



- **Possess a high extraction rate due to fast diffusion in the liquid membrane**
- **Combine extraction and stripping into one step for direct lithium extraction**
- **Offer superb lithium recovery and selectivity due to membrane's abilities to circumvent equilibrium limitations and provide high lithium specificity**
- **Afford an environmentally friendly solution**