

# Goldilocks Ligands for Direct Lithium Recovery Through Surface Engineering and Membrane Adsorption

*Combining off-the-shelf membrane modules with an innovative surface engineering approach for optimal lithium selectivity*

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**Link to our 90-sec video:** <https://www.youtube.com/watch?v=b1UtHJw50to>

**Goal:** We propose to use commercially available membrane substrates to produce an energy-efficient, cost-effective and easy-to-scale module to directly extract lithium from geothermal brine and generate clean water for reuse to minimize waste.