## **Fabrication of Crack Free Inverse Opals via Anodization**

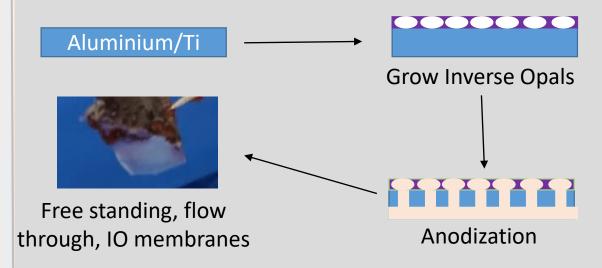
**Arvind Pujari**, Department of Metallurgical and Materials Engineering, IIT Madras

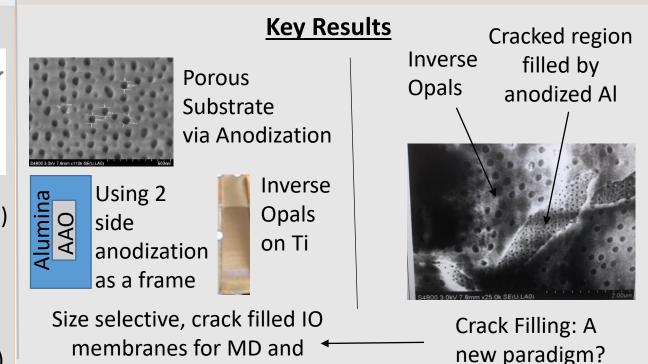
Graduate Mentor: Yuhang Fang

Purdue Faculty Advisor: **Dr David Warsinger**, Mechanical Engineering (Research Focus: Desalination)

## **Research Topic** Opals FCC ordered Inverse Opals (IO) photonic crystals (potential use in How do photocatalysis, we make But! biosensing, crack free membrane inverse Cracks, not free standing distillation (MD)) opals?

## Approach: Make the substrate itself porous





biosensing