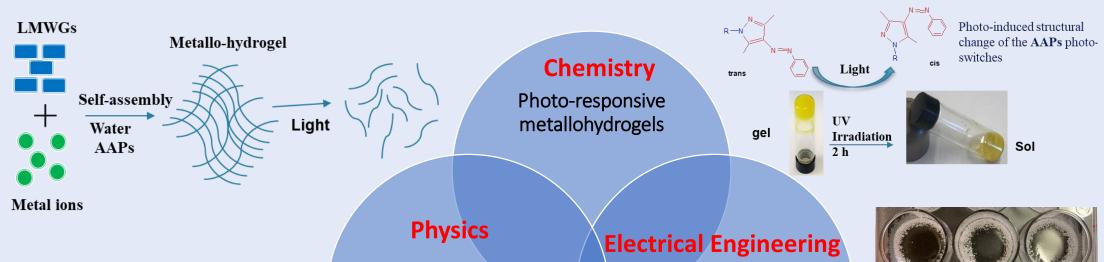
Hampton-Brandeis PREM Research Highlights



Optical Spectroscopy: Emission Studies



Pr³⁺ doping

3

CsPbCl₃
"Bright Purple" at 10K

Pr: CsPbCl₃

"Red" & <u>Infrared</u> Emission at room temperature

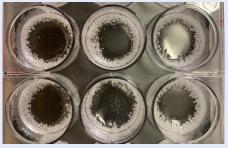
Pr: CsPbCI₃

Increased emission coverage of CsPbCl₃ through rare earth doping.

Mixed halide perovskites

PREM

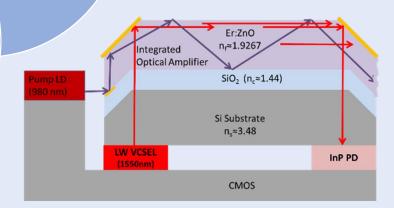
Inorganic photonic materials



Fluorescent Gelatin-based PEUR Casts

Chemical Engineering

Opto-active Polymeric Materials



This work was supported by PREM NSF# DMR1827820

Hampton-Brandeis PREM Outreach Highlights





CHROME Fridays
Exploratory Saturday
Sporting Event Science Showcase

This work was supported by PREM NSF# DMR1827820