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## New Materials for Emerging Desalination Technologies

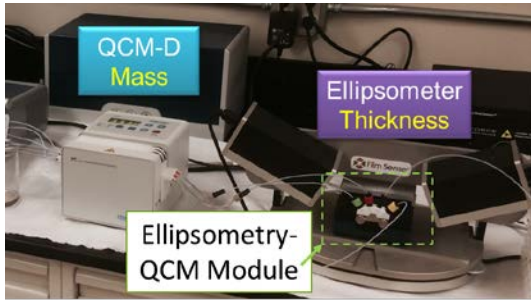
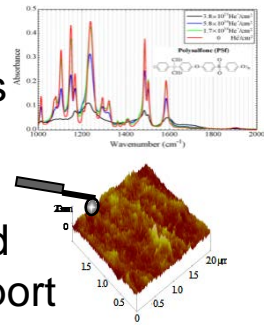
### Fundamentals

### Technologies

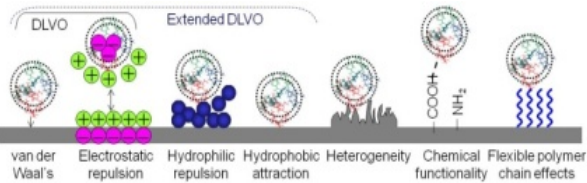
### Applications

#### Film & Interface Science

Properties of nanomaterials and thin films in aqueous environment and molecular transport

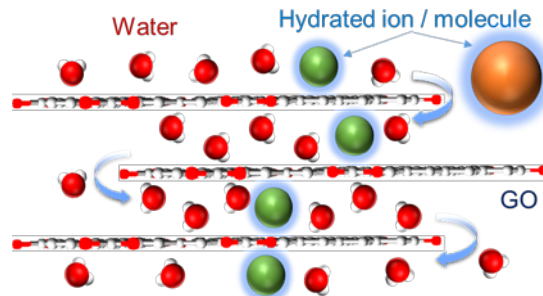
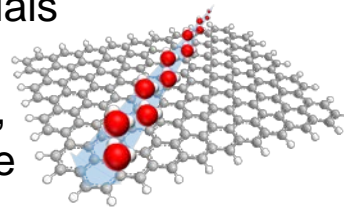


#### Interfacial phenomena

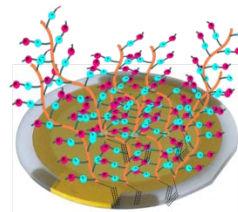
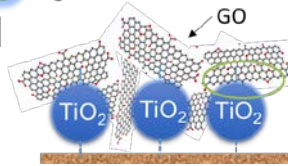


#### Membrane & Nanotechnology

New 2D materials for membrane synthesis, e.g., graphene oxide (GO)



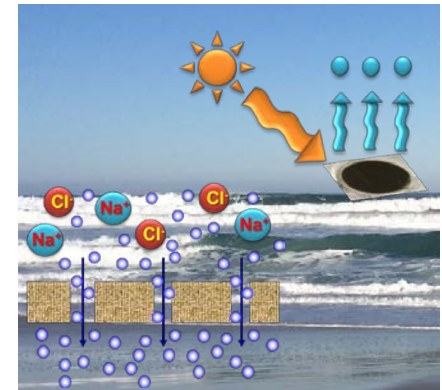
Multi-functional material



Polyzwitterion for antifouling surface

#### Water Sustainability

#### Desalination



Novel process for water & wastewater reuse

