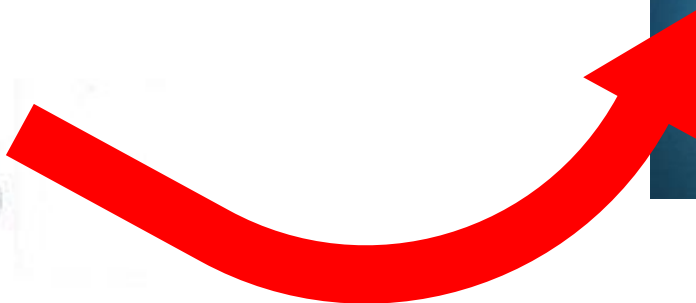
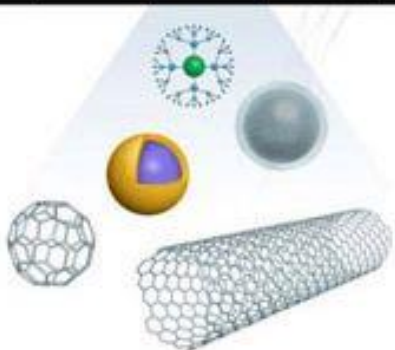
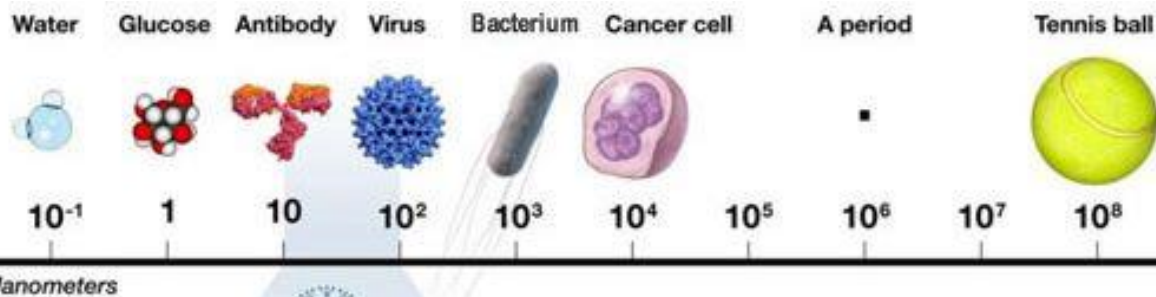
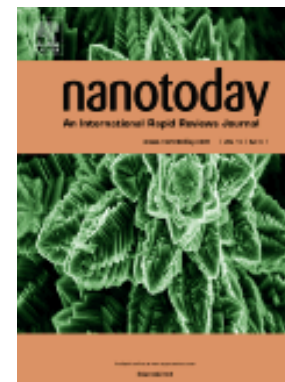
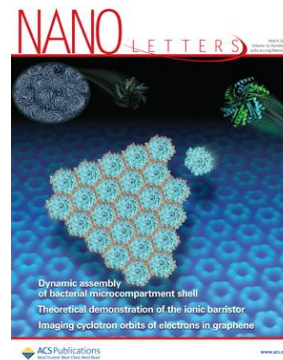


# Nanotechnology in Energy Storage and Conversion

Session co-chairs: Hirokazu Kaji (Tohoku Univ), Shirley Meng (UC San Diego)



# Potential Applications of Nanotech in Energy Storage and Conversion

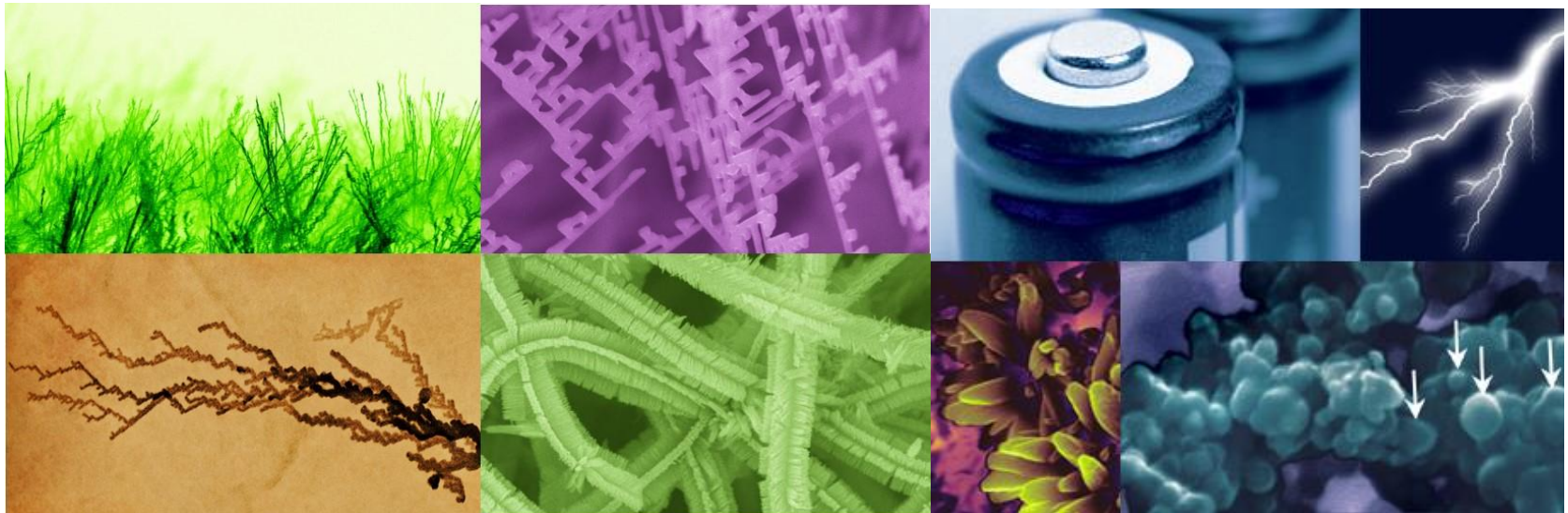
Batteries, Super-capacitors, Fuel cells

## Go For Nano

- ☺ Minimize diffusion distance
- ☺ Phase stability change
- ☺ Defect tolerance
- ☺ Enable new chemistry

## Need to Take Care of

- ☹ Stability due to interface
- ☹ Packing density
- ☹ Scalability of synthesis



# Speakers

## ***Nanomaterials for Energy Storage***

Gleb Yushin, Georgia Institute of Technology and Sila Technologies

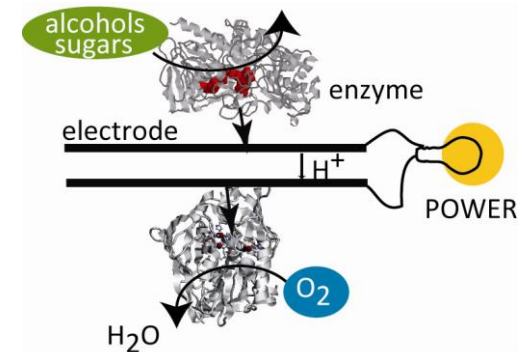


## ***Hidden in Plain Sight: Understanding and Exploiting Systematic Couples to Improve Batteries***

Daniel Steingart, Princeton University

## ***Enzyme-based Biofuel Cells***

Seiya Tsujimura, University of Tsukuba



## ***Flexible Devices Using Rigid Materials***

Eiji Iwase, Waseda University

