

Organic Chemistry  
Research Advisors For AY23

Jenn Guerard  
Julia Pribyl Ham  
Craig Whitaker



# Professor Julia Pribyl Ham



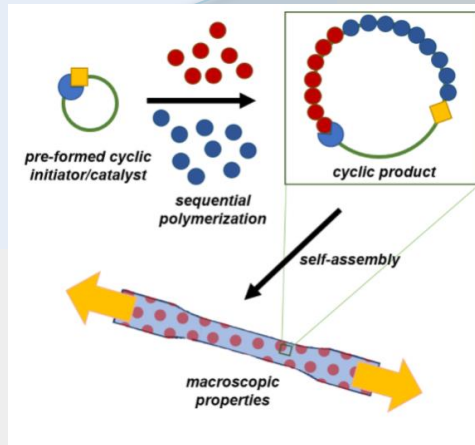
## Key words:

- Organic synthesis
- Polymer synthesis
- Material testing

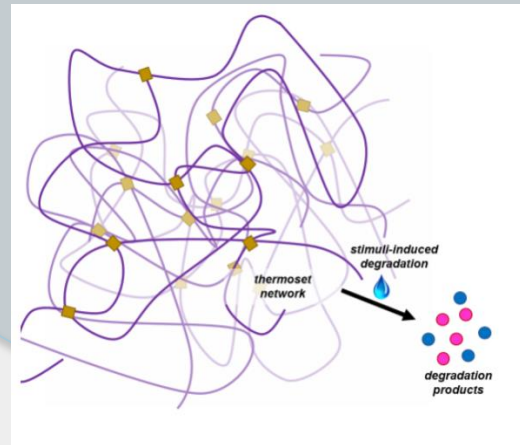
Contact: [jham@usna.edu](mailto:jham@usna.edu)

<https://sites.google.com/usna.edu/julia-pribyl-ham-polymer-group>

## Research Areas:



### Cyclic Polymers



### Degradable Polymer Networks

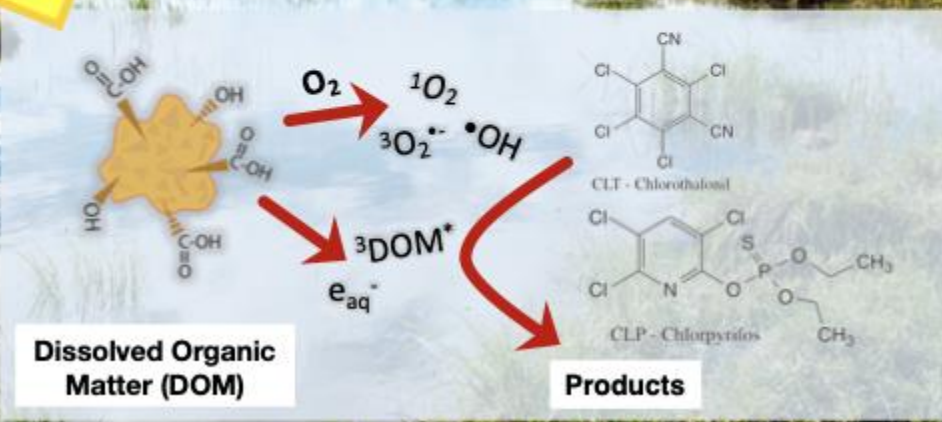
# Fate and transformation of current-use pesticides in Arctic aquatic systems



## Long range transport, deposition in the Arctic

- Where do contaminants end up in the environment?
- How do naturally occurring organic materials in an ecosystem influence contaminant fate and degradation?
- By what mechanisms do they degrade?

Learn organic photochem, analytics, kinetics, spectroscopy!



guerard@usna.edu



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# Professor Craig Whitaker

Overview: My research areas focus on materials chemistry and polymer chemistry.

## Projects:

- Destruction of Organophosphorus Nerve Agents using Metal-Organic Frameworks (MOFs) - DTRA (\$) / Army Chem. Bio. Warfare Center
- Synthesis and Evaluation of Energetic Organic Binders - ONR (\$) / MechE / Indian Head National Lab

Current students: Jeremy Friedel ('22), Karla Guzman ('22), Gabrielle Shacoski ('22) and Will Ashe ('23)

