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Academic Update

Three Points

- ▶ Academic Speakers at Tech Seminar - recent and upcoming
- ▶ Academic Research Hot Topics
- ▶ Recent Trends in Education

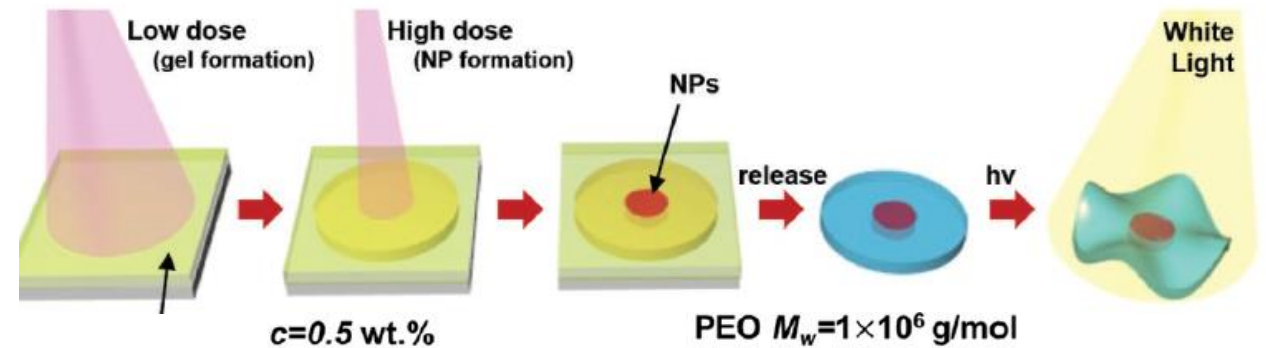
Academic Speakers at Tech Seminars

Year	Name	Title	Institution
2016	Katherine Jensen	Assistant Professor	Williams University
2016	Tom McCarthy	Professor	University of Massachusetts Amherst
2016	Carson Meredith	Professor	Georgia Institute of Technology
2017	Matteo Ciccotti	Professor	ESPCI, Paris
2017	Stuart Rowan	Professor	University of Chicago
2017	Marcio Carvalho	Professor	Pontificia Universidade Catolica do Rio de Janeiro
2017	Tatiana Levada	Research Scientist	Lomonosov Moscow State University
2018	Theresa Reineke	Professor	University of Minnesota
2018	Michael Dickey	Professor	North Carolina State University
2018	Joelle Frechette	Professor	John Hopkins University
2019	Chelsea Davis	Assistant Professor	Purdue University
2019	Megan Valentine	Associate Professor	UC Santa Barbara
2019	Michael Bartlett	Assistant Professor	Iowa State University
2019	Xuanhe Zhao	Associate Professor	MIT
2020	Vivek Sharma	Associate Professor	University of Illinois Chicago
2020	Ryan Hayward	Professor	University of Massachusetts Amherst
2020	Jörg Adams	Professor	Clausthal University
2020	Yoan Simon	Assistant Professor	University of Southern Mississippi

Trending Papers Highlighted in May

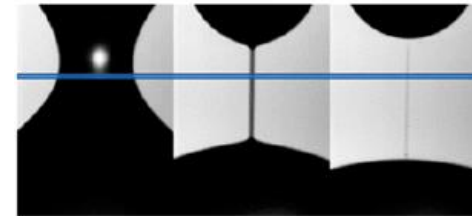
Electro- and Light- activated materials

(Ryan Hayward, UMass Amherst)

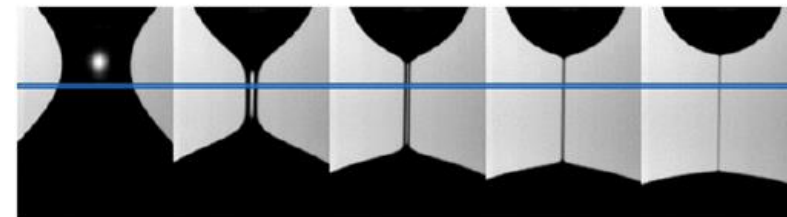


Extensional Rheology Insight

(Vivek Sharma, UIC)



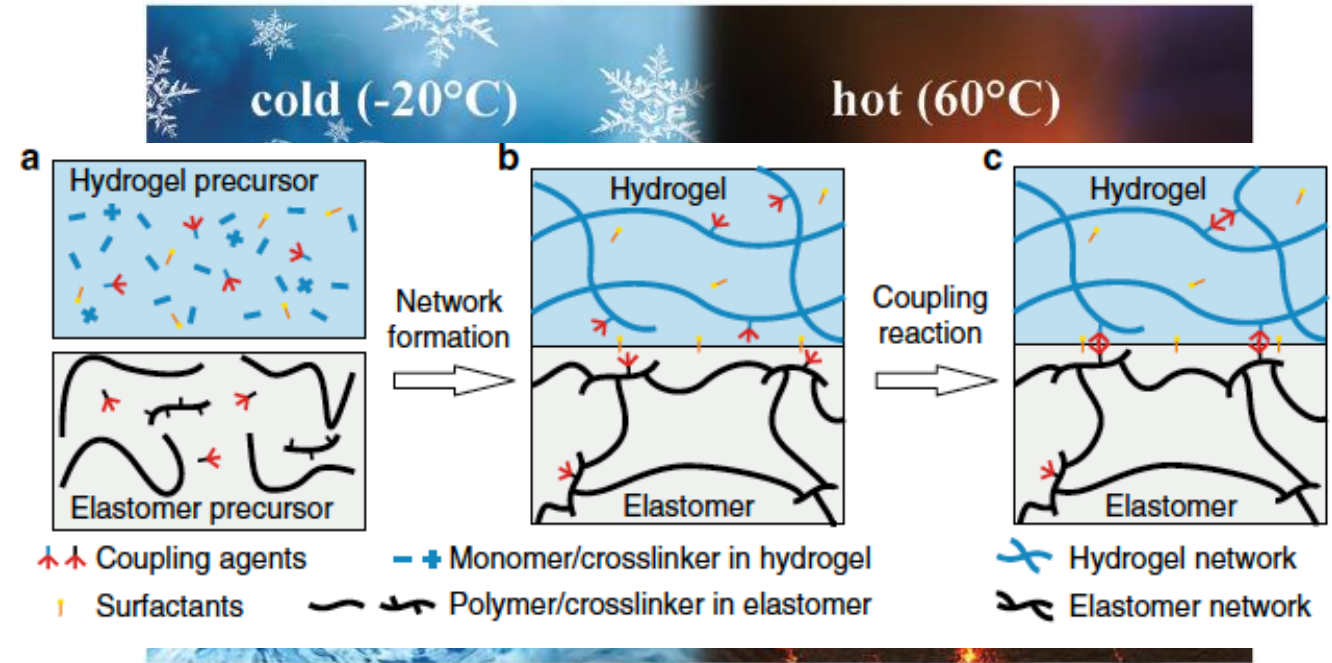
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Hot 2019 Research

- Temperature-tolerant hydrogels
- Soft Robotic Grippers
- Manufacturing Dissimilar Interfaces



Shintake J., et al. *Advanced Materials*, 2018.

Liu Q., et al. *Nature Communications*, 2018.

Han L., et al. *Advanced Functional Materials*, 2018.

Recent Trends in Education

- ▶ **Multidisciplinary programs**
 - ▶ Encourage new hires to build upon these strengths
- ▶ **Teaching styles**
 - ▶ Directing (what most of us are used to)
 - ▶ Discussing (students create questions, clickers)
 - ▶ Delegating (learning through research projects)