



ACS POLY Symposium on  
**STRUCTURE TO FUNCTION**  
**IN SUPRAMOLECULAR POLYMERS & MATERIALS**

Organizers: Roxanne Kieltyka, Pol Besenius, John Matson

*supported by*



**Organic Materials**



## Structure to Function in Supramolecular Polymers & Materials:

08:00am - 09:40am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kiełtyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [John Matson](#), Presider, Virginia Tech; [Rachel Letteri](#), Presider, Texas A&M University

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### Self assembled saccharide functionalized amphiphilic metallacycles as biofilms inhibitor

08:00am - 08:25am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Guosong Chen](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Metallo-supramolecular polymers as a route to poly[n]catenanes

08:25am - 08:50am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Stuart Rowan](#), Presenter, University of Chicago

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Conditionally active electron transfer catalysts enabled by bioinspired remodeling of polymer secondary structure

08:50am - 09:10am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Tanner Hoog](#); [Matthew Pawlak](#); [Katarzyna Adamala](#); [Aaron Engelhart](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Supramolecular self-assemblies of cyanine dyes for tunable excitonic properties across the visible and shortwave infrared regions

09:10am - 09:25am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Arundhati Deshmukh](#), Presenter; [Niklas Geue](#); [Nadine Bradbury](#); [Austin Bailey](#); [Ellen Sletten](#); [Justin Caram](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Hydrogen bonding indigo photoswitches as building blocks to engineer photo adaptative materials

09:25am - 09:40am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Pauline Pacquet](#), Presenter; [Yann Bretonnière](#); [Stéphane Chambert](#); [Julien Bernard](#)

Division: [POLY] Division of Polymer Chemistry

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## Structure to Function in Supramolecular Polymers & Materials:

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Division: [POLY] Division of Polymer Chemistry

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Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### Supramolecular polymers from peptide assembly: From optoelectronic to therapeutic applications

10:30am - 10:55am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Sebastien Perrier](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Peptide stereocomplexes as supramolecular crosslinks in polymeric biomaterials

10:55am - 11:15am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Israt Dutti](#); [Emma Laudermitch](#); [Jonathan Florian](#); [Vincent Gray](#); [Connor Amelung](#); [Kyle Lampe](#); [Rachel Letteri](#), Presenter, Texas A&M University

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Novel materials from the co-assembly of covalent and supramolecular polymers

11:15am - 11:40am USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Samuel Stupp](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Polyisocyanide hydrogels: Combining synthetic tailorability with biological properties

11:40am - 12:05pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Paul H.J. KOUWER](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Investigating binding of polymeric cell-penetrating peptide mimics to protein cargo for intracellular delivery applications

12:05pm - 12:20pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Hazel Davis](#), Presenter; [Nicholas Posey](#); [Gregory Tew](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

## Structure to Function in Supramolecular Polymers & Materials:

02:00pm - 03:30pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne KIELTYKA](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [Pol Besenius](#), Presider, University of Mainz; [Roxanne KIELTYKA](#), Presider, Universiteit Leiden

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### Host, guest supramolecular recognition in the design of functional soft materials

02:00pm - 02:25pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Matthew Webber](#), Presenter, University of Notre Dame

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Highly tunable, catalyst-free dynamic covalent bonds and their incorporation into networks

02:25pm - 02:40pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Neil Dolinski](#), Presenter; [Katie Herbert](#); [Stuart Rowan](#), University of Chicago

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Synthesis and application of viologen-based polymers and photoredox-responsive soft materials

02:40pm - 03:05pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[Faheem Amir](#); [Abigail Delawder](#); [Mark Palmquist](#); [Tiana Saak](#); [Jonathan Barnes](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person

Sunday

### Helical supramolecular polymers: Self-assembly, bioactivity, and catalysis

03:05pm - 03:30pm USA / Canada - Eastern - August 22, 2021 | Room: A313-A314

[John Matson](#), Presenter, Virginia Tech; [Zhao Li](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - In-person



## Structure to Function in Supramolecular Polymers & Materials:

04:30pm - 06:00pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 44

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kiełtyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [John Matson](#), Presider, Virginia Tech; [Rachel Letteri](#), Presider, Texas A&M University

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Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### Stimuli-responsive metallosupramolecular polymer networks

04:30pm - 04:55pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 44

[Dr. Christoph Weder](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Exploring the influence of hydrogen-bonding in supramolecular electronics: From a diketopyrrolopyrrole model system to state-of-the-art semiconductors

04:55pm - 05:20pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 44

[Amparo Ruiz Carretero](#), Presenter; [Nelson Avila Roveló](#); [Gabriel Alvarez Martínez](#); [Ana Maria Garcia Martínez](#); [Shu Seki](#); [Philippe Mesini](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Tuning the molecular packing of supramolecular assembly by H-bonding and impact on morphology

05:20pm - 05:35pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 44

[Amrita Sikder](#), Presenter; [Rachel O'Reilly](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Responsive polymers: Hysteresis, bistability, read/write-memory and logic gate function

05:35pm - 06:00pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 44

[Joanna Michalska](#); [Beate Förster](#); [Stephan Hauschild](#); [Stephan Förster](#), Presenter, University of Bayreuth

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

## Structure to Function in Supramolecular Polymers & Materials:

07:00pm - 08:50pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kieltkyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [Neil Dolinski](#), Presider, University of Chicago Division of the Physical Sciences; [Alexander Kros](#), Presider, Leiden University

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Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### "Static" and evolving supramolecular gels

07:00pm - 07:25pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Dave Adams](#), Presenter; [Santanu Panja](#); [Annela Seddon](#); [Bart Dietrich](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Reactive supramolecular nanostructures

07:25pm - 07:50pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Yukio Cho](#); [Ty Christoff-Tempesta](#); [Julia Ortony](#), Presenter, Massachusetts Institute of Technology

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Discovery of self-assembling peptide amphiphiles with deep neural networks

07:50pm - 08:05pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Eric Bruckner](#), Presenter; [Cara Smith](#); [Mayank Agrawal](#); [Sieun Lee](#); [Haley Wellman](#); [Samuel Stupp](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Design and applications of supramolecular peptide nanomaterials

08:05pm - 08:30pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Tanja Weil](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Sunday

### Synergies of supramolecular and dynamic covalent bonding for responsive networks

08:30pm - 08:50pm USA / Canada - Eastern - August 22, 2021 | Room: Zoom Room 42

[Dominik Konkolewicz](#), Presenter, Miami University; [Shiwanka Wanasinghe](#); [Nethmi De Alwis Watuthanthrige](#); [Obed Dodo](#); [Jafer Vakili](#); [Jessica Sparks](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

## Structure to Function in Supramolecular Polymers & Materials:

07:00pm - 09:00pm USA / Canada - Eastern - August 22, 2021 | Room: Hall B4

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kiełtyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Division/Committee: [POLY] Division of Polymer Chemistry

Sunday

### Single crystals of mechanically entwined helical covalent polymers

07:00pm - 09:00pm USA / Canada - Eastern - August 22, 2021 | Room: Hall B4

[Yiming Hu](#), Presenter; [Simon Teat](#); [Wei Zhang](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Sunday

### Withdrawn

07:00pm - 09:00pm USA / Canada - Eastern - August 22, 2021 | Room: Hall B4

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Sunday

### Withdrawn

07:00pm - 09:00pm USA / Canada - Eastern - August 22, 2021 | Room: Hall B4

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Sunday

### Synergism between rifampicin and cationic polyurethanes overcomes intrinsic resistance of E. coli

07:00pm - 09:00pm USA / Canada - Eastern - August 22, 2021 | Room: Hall B4

[Chinnapatch Tantisuwanno](#), Presenter; [Francis Dang](#); [Kristin Bender](#); [John Spencer](#); [Matthew Jennings](#); [Hazel Barton](#); [Abraham Joy](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - In-person

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

## Structure to Function in Supramolecular Polymers & Materials:

08:00am - 09:55am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kiełtyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [Neil Dolinski](#), Presider, University of Chicago Division of the Physical Sciences; [Alexander Kros](#), Presider, Leiden University

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Co-sponsor/Theme: [Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering](#)

Division/Committee: [POLY] Division of Polymer Chemistry

Monday

### Supramolecular polymers for biomedical applications

08:00am - 08:25am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

[Egbert Meijer](#), Presenter, Eindhoven University of Technology

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Monday

### Multicomponent supramolecular polymers as a platform for the design of glycoconjugate vaccines

08:25am - 08:50am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

[David Straßburger](#); [Moritz Urschbach](#); [Natascha Stergiou](#); [Edgar Schmitt](#); [Pol Besenius](#), Presenter, University of Mainz

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Monday

### Designing optically transparent photo-crosslinked peptoid nanosheets for imaging applications

08:50am - 09:05am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

[Elizabeth Holman](#), Presenter, California Institute of Technology; [Dong Li](#); [Paul Ashby](#); [Dr. Ronald Zuckermann](#), Lawrence Berkeley National Laboratory; [Paul Sternberg](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Monday

### Controlling supramolecular assembly and dynamics for advanced tissue engineering hydrogels

09:05am - 09:30am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

[Matthew Baker](#), Presenter, Maastricht University

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Monday

### Withdrawn

09:30am - 09:55am USA / Canada - Eastern - August 23, 2021 | Room: A311-A312

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

## Structure to Function in Supramolecular Polymers & Materials:

10:30am - 12:20pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kieltyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [Matthew Baker](#), Presider, Maastricht University; [Alexander Kros](#), Presider, Leiden University

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

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Division/Committee: [POLY] Division of Polymer Chemistry

Monday

### [Influence of light, acid and metal coordination on hierarchical self-assembly processes](#)

10:30am - 10:55am USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Gustavo Fernández](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Monday

### [Transfer and amplification of asymmetry in supramolecular polymers: From kinetic effects to CPL-emitter materials](#)

10:55am - 11:20am USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Cristina Naranjo](#); [Yeray Dorca](#); [Elisa E. Greciano](#); [Goutam Ghosh](#); [Rafael Rodríguez](#); [Rafael Gómez](#); [Katsuhiro Maeda](#); [Gustavo Fernández](#); [Luis Sanchez](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Monday

### [Squaramides as versatile binding units for the development of supramolecular polymers](#)

11:20am - 11:45am USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Bartolome Soberats](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Monday

### [Modeling of the effects of addition of zinc on morphology and rheology of xanthan gum polysaccharide solutions](#)

11:45am - 12:00pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Kolattukudy Santo](#), Presenter; [Andrei Potanin](#); [Alexander Neimark](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

Monday

### [Intramolecular cyclization induced crystallization driven self-assembly](#)

12:00pm - 12:20pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 44

[Hui Sun](#), Presenter; [Jianzhong Du](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

## Structure to Function in Supramolecular Polymers & Materials:

02:00pm - 04:00pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne KIELTYKA](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [John Matson](#), Presider, Virginia Tech; [Pol Besenius](#), Presider, University of Mainz; [Roxanne KIELTYKA](#), Presider, Universiteit Leiden

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

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Division/Committee: [POLY] Division of Polymer Chemistry

### Monday [Elucidating dynamic behavior of synthetic supramolecular polymers in water](#)

02:00pm - 02:25pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Anja Palmans](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

### Monday [H-bonding regulated directional supramolecular assembly and functional biomaterial](#)

02:25pm - 02:50pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Suhrit Ghosh](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

### Monday [Enhanced gene delivery and CRISPR/Cas9 homology-directed repair in serum by minimally succinylated polyethylenimine](#)

02:50pm - 03:05pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Md Nasir Uddin](#), Presenter, University of Kentucky; [Logan Warriner](#); [Daniel Pack](#); [Jason Derouchey](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

### Monday [Formation of Sequence-Defined Nanofibers through Solid-State Design](#)

03:05pm - 03:20pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Margaret Gerthoffer](#), Presenter; [Sikai Wu](#); [Bo Chen](#); [Bohan Xu](#); [Jordan Cox](#); [Tao Wang](#); [Steven Huss](#); [Shalisa Oburn](#); [Steven Lopez](#); [Vincent Crespi](#); [John Badding](#); [Elizabeth Elacqua](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

### Monday [Competing hydrogen bonding supramolecular polymers allow thermo thickening effect](#)

03:20pm - 03:45pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Laurent Bouteiller](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

### Monday [Effect of pH and functionalisation of self-assembled Naphthalene-diimides for smart window applications](#)

03:45pm - 04:00pm USA / Canada - Eastern - August 23, 2021 | Room: Zoom Room 48

[Rebecca Randle](#), Presenter; [Leide Cavalcanti](#); [Stephen Sproules](#); [Emily Draper](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Virtual

## Structure to Function in Supramolecular Polymers & Materials:

08:00am - 09:50am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kielytyka](#), Organizer, Universiteit Leiden; [John Matson](#), Organizer, Virginia Tech; [Matthew Baker](#), Presider, Maastricht University; [Alexander Kros](#), Presider, Leiden University

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Division/Committee: [POLY] Division of Polymer Chemistry

Tuesday

### Programming self-assembly of minimalistic heterochiral peptides: from simplicity to complexity

08:00am - 08:25am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Ana M. Garcia](#); [Michele Melchionna](#); [Ottavia Bellotto](#); [Slavko Kralj](#); [Sabrina Semeraro](#); [Evelina Parisi](#); [Daniel Iglesias](#); [Paola D'Andrea](#); [Rita De Zorzi](#); [Attilio V. Vargiu](#); [Silvia Marchesan](#), Presenter

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Tuesday

### Squaramide-based supramolecular materials: From self assembly to biomedical application

08:25am - 08:50am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Roxanne Kielytyka](#), Presenter, Universiteit Leiden

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Tuesday

### Constrained supramolecular polymerization within linear polymer melts at equilibrium and under strain

08:50am - 09:05am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Christopher Cooper](#), Presenter; [Zhenan Bao](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Tuesday

### Complexation of poly( $\beta$ -CD) and bis-adamantyl poly(2-hydroxyethyl acrylate) to create supramolecular polymeric networks

09:05am - 09:20am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Mohammed Alaboalirat](#), Presenter; [John Matson](#), Virginia Tech

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Tuesday

### Understanding the role of block sequence on the solution aggregation of polypeptoid multi-block copolymers

09:20am - 09:35am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Meng Zhang](#), Presenter; [Yun Liu](#); [Donghui Zhang](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Oral - Hybrid

Tuesday

### Tri-block copolymer thermoplastic elastomer thermosets achieving orthogonal working/healing conditions

09:35am - 09:50am USA / Canada - Eastern - August 24, 2021 | Room: A311-A312

[Ryan Clarke](#), Presenter; [Eugene Chen](#)

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[John Matson](#), Organizer, Virginia Tech; [Pol Besenius](#), Organizer, University of Mainz; [Roxanne Kieltyka](#), Organizer, Universiteit Leiden

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Tuesday

### Transition path dynamics in protein-protein interaction

07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021 | Room: Virtual Room

[masoumeh ozmaeian](#), Presenter; [Dmitrii Makarov](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - Virtual

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Tuesday

### RAFT polymerization of star polymers with ortho-phenylene cores

07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021 | Room: Virtual Room

[Kate Bradford](#), Presenter; [Dominik Konkolewicz](#), Miami University; [Christopher Hartley](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - Virtual

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Tuesday

### Regulating the self-assembly of light emitting conjugated polymer spherulites via side alkyl chain branching

07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021 | Room: Virtual Room

[Lili Sun](#), Presenter; [Lu Bai](#); [Jin Lin](#)

Division: [POLY] Division of Polymer Chemistry

Session Type: Poster - Virtual

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Tuesday

### Engineering positive kinetic cooperativity between supramolecular and dynamic covalent bonds within self-healing polyurethane thermosets

07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021 | Room: Virtual Room

[Raphaël Pauchet](#), Presenter; [Simon McKie](#); [Vasyl CHUMACHENKO](#); [Georges FORMON](#); [Pierre Lutz](#); [Eric BUHLER](#); [Remi PERRIN](#); [Christian GAUTHIER](#); [Emilie Moulin](#); [Nicolas Giuseppone](#)

Division: [POLY] Division of Polymer Chemistry

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Tuesday	<p><b>Creating a dynamic covalent peptide system by reversible native chemical ligation for dynamic combinatorial chemistry</b></p> <p>07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021   Room: Virtual Room</p> <p>Nicolas Capit, Presenter; Pierrick Petitnicolas; Emilie Moulin; Nicolas Giuseppone</p> <p>Division: [POLY] Division of Polymer Chemistry</p> <p>Session Type: Poster - Virtual</p> <p>Co-sponsor/Theme: Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering</p>	^
Tuesday	<p><b>Selenophene and thiophene based conjugated polymer gels</b></p> <p>07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021   Room: Virtual Room</p> <p>Sheng Li, Presenter; Keqiang He; Elisabeth Prince; Yuning Li; Dwight Seferos</p> <p>Division: [POLY] Division of Polymer Chemistry</p> <p>Session Type: Poster - Virtual</p> <p>Co-sponsor/Theme: Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering</p>	^
Tuesday	<p><b>Covalent organic frameworks based on porphyrin and cucurbit[n]uril for electrocatalytic water splitting</b></p> <p>07:00pm - 09:00pm USA / Canada - Eastern - August 24, 2021   Room: Virtual Room</p> <p>Donus Tuncel, Presenter</p> <p>Division: [POLY] Division of Polymer Chemistry</p> <p>Session Type: Poster - Virtual</p> <p>Co-sponsor/Theme: Co-sponsor - Nominal PMSE: Division of Polymeric Materials Science and Engineering</p>	^