

ACS National Meeting BIOL Division Preliminary Program

The biological chemistry program is rapidly taking shape and a preliminary glimpse follows.

Sunday 31 March, morning

Targeting RNA with drugs (M. D. Disney presiding)

Graduate Student & Postdoctoral Fellow Symposium

Co-sponsored:

Interdisciplinary chemistry for new frontiers in biology and
medicine: Nanobio

Bio-based materials for energy conversion and storage applications

Bio-based electrolyte and separators for battery applications

Interplay of cellulose and other biopolymers in biological & designed materials
systems interactions of plant polymers in model systems^[SEP]

Sunday 31 March, afternoon

Murray Goodman Award: Symposium in honor of David Beratan (presiding)

Early career investigators in biological chemistry

Co-sponsored:

Interdisciplinary chemistry for new frontiers in biology and
medicine: Microbia

Bio-based materials for energy conversion and storage applications

Lignin-based materials for supercapacitor and other applications

Bio-based electroconductive hydrogels

Interplay of cellulose and other biopolymers in biological & designed materials:
structure and mechanics of plant cell walls^[SEP]

Sunday 31 March, evening

Biological Posters

Monday 1 April, morning

Chemical signaling in plants (K. Torii presiding)

Protein folding and aggregation (X. Zhang presiding)

Co-sponsored:

LGBTQ+ graduate student and postdoctoral scholar research symposium

Interdisciplinary chemistry for new frontiers in biology and
medicine: Biomarker Discovery

Interplay of cellulose and other biopolymers in biological & designed materials:
xylan and lignin interactions with cellulose^[SEP]

Monday 1 April, afternoon

Chemical signaling between organisms (R. A. Butcher presiding)

Advances in metabolic labeling and profiling

Co-sponsored
LGBTQ+ graduate student and postdoctoral scholar research symposium
Interdisciplinary chemistry for new frontiers in biology and
medicine: DNA/RNA & disease diagnosis
Fluorescence techniques applied to lignocellulose characterization
Undergraduate research **posters**: Biochemistry

Monday 1 April, evening

Sci Mix

Tuesday 2 April, morning

ACS Chemical Biology Award symposium (L. L. Kiessling presiding, reception follows)

Co-sponsored

Exploring the frontiers of chemistry through NASA research.

Getting there: advanced materials for space travel.

MEDI awards symposium

Interdisciplinary chemistry for new frontiers in biology and
medicine: Structure, imaging and sensing.

Advanced chemistry of 'nontraditional' polysaccharides.

Tuesday 2 April, afternoon

ACS National Awards: Breslow (L. Kay) and Nakanishi (D. Tirrell)

Co-sponsored

Exploring the frontiers of chemistry through NASA research.

Living there: science for the future of manned space exploration

LGBTQ+ graduate student and postdoctoral scholar research symposium

Advanced chemistry of 'nontraditional' polysaccharides.

Biomolecular technologies: biomolecular engineering & design

LGBTQ+ graduate student and postdoctoral scholar research **poster** session

Wednesday 3 April, morning

DNA instability and repair (K. Dalby presiding)

Mid-career investigators in Biological Chemistry

Co-sponsored

Nanocellulose from fundamentals to function

Bioactive delivery: Frontiers in biomaterials.

Bio-based gels and porous materials

3D printing and rheology of cellulose and nanocellulose

Wednesday 3 April, afternoon

Graduate Student & Postdoctoral Fellow Symposium

Mid-career investigators in Biological Chemistry

Co-sponsored

Nanocellulose from fundamentals to function

Bioactive delivery: Frontiers in biomaterials.

Bio-based gels and porous materials

Bio-based gels in medical applications

Thursday 4 April, morning

Graduate Student & Postdoctoral Fellow Symposium

Early career investigators in biological chemistry

Co-sponsored:

Nanocellulose from fundamentals to function

Additive manufacturing of bio-based and renewable materials.

Upstream processes: synthetic biology and genome engineering

Bio-based gels and porous materials: Nanostructuring of gels and aerogels and their use as sensors.