

June 6, 2022 Workshop



Polymeric Materials: Coupling Thermal Polymer Analysis Techniques to MS

Featured speakers

- Rachel Sanig- Pyrolysis-GC-HRMS with Soft Ionization for Increased Confidence in Compound Identification
- Cristian Cojocariu- Direct Sample Analysis Combined with a Thermal Gradient Approach for Routine Testing of Materials

Agenda

- Welcome and Opening Remarks- 5 mins
- Sanibel/Asilomar Proposal- 5 mins
- Rachel Sanig's presentation- 15 mins
- Cristian Cojocariu's presentation- 15 mins
- Questions and open/informal discussion-25 mins
 - To include any short self-promotions of upcoming posters
- Wrap up- group business- 10 mins

Workshop contacts

Chair- Jessica Hoskins- Jessica.Hoskins@abbvie.com

Chair-elect: Thierry Fouquet- Thierry.Fouquet@bausch.com



AMERICAN SOCIETY OF
MASS SPECTROMETRY

70th Conference on Mass Spectrometry
and Allied Topics

Minneapolis
2022

JUNE 5-9
Minneapolis, Minnesota

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Sanibel/Asilomar Proposal

Thursday

7:00 - 7:10 pm, Opening remarks

7:10 - 8:10 pm, Keynote lecture I
Polymer chemistry I

Friday

8:30 - 10:00 am, Session 1
Basics of polymer MS

10:30 - 12:00 am, Session 2
Separations and hyphenation

1:30 - 2:30 pm, Keynote lecture II
Polymer chemistry II

3:00 - 4:30 pm, Session 3
Tandem mass spectrometry

7:00 - 10:00 pm, Poster highlight talks I (flash talk of 3 min) and Poster session I



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Sanibel/Asilomar Proposal

Saturday

8:30 - 10:00 am, Session 4
Thermal analyses

10:30 - 12:00 pm, Session 5
“Frontier” analysis: surface, small and large polymers

1:30 - 2:30 pm, Keynote lecture III
Industrial polymers

3:30 - 5:00 pm
Workshop A (optional): Data processing by Kendrick analysis
Workshop B (optional): LC- and GC-MS

7:00 - 10:00 pm, Poster highlight talks II (flash talk of 3 min) and Poster session II

Sunday

8:30 - 10:00 pm
Session 6a: Fate of polymeric materials
Session 6b: Polymers as excipients and surfactants

10:30 - 11:15 am, Keynote lecture IV
Beyond synthetic materials: bio-inspired polymers and bioconjugates



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Rachel Sanig- Pyrolysis-GC-HRMS with Soft Ionization for Increased Confidence in Compound Identification

Rachel Sanig received a 1st Class Masters and BSc (Hons) in Chemistry from the University of Leeds. She joined Waters as an applications scientist in 2016 and is experienced across Clinical, Pharmaceutical, and Biopharmaceutical markets using a range of chromatography and mass spectrometry analysis techniques. She joined the Chemicals and Materials team in 2018, where she works as a senior scientist in the areas of fine specialty chemicals, extractables and leachables, and polymer and materials research with experience on a range of instrumentation including, IMS QToF, HPLC, and pyrolysis-GC-MS.



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Cristian Cojocariu- Direct Sample Analysis Combined with a Thermal Gradient Approach for Routine Testing of Materials

Cristian is currently leading the Materials Scientific Operations team at Waters Corporation. Cristian is an analytical scientist and mass spectrometrists with over 18 years of experience using state-of-the-art analytical systems in both academic and commercial environments. Cristian holds Bachelor of Science degree in Biology, a Master of Science degree in Biodiversity, and PhD in Biosphere/Atmosphere interactions.



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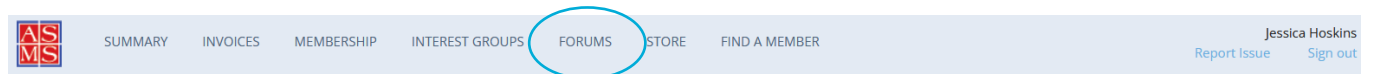


Group Business

Keep in touch!

Workshop contacts
Jessica.Hoskins@abbvie.com
Thierry.Fouquet@bausch.com

- Join our mailing list- get in touch with Jessica and Thierry
- Polymeric Materials Interest Group- LinkedIn group (<https://www.linkedin.com/groups/4009861/>)
- Official ASMS interest group forum



Forums > Interest Groups

Polymeric Materials

Unsubscribe

This forum contains 6 topics, and was last updated by Jessica Hoskins 1 day, 2 hours ago.

Viewing 6 topics - 1 through 6 (of 6 total)

Topic	Voices	Posts	Freshness
Virtual Interest Group Meeting- Wed Nov 17 Started by: Jessica Hoskins	1	1	1 day, 2 hours ago Jessica Hoskins



Interest Groups

Select your Interest Groups and **click SAVE**

Save

Polymeric Materials



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Group Business

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Thierry.Fouquet@bausch.com

- Election of new chair-elect

Anthony P. Gies
APGies@Dow.com

Anthony received his Ph.D. in Analytical Chemistry (in 2004) from the University of Alabama at Birmingham under the mentorship of Prof. Jimmy W. Mays and Prof. William K. Nonidez. The focus of his dissertation work was on obtaining matrix-assisted laser desorption/ionization (MALDI) spectra of insoluble polymers. Anthony has held postdoctoral research positions at Vanderbilt University (under the mentorship of Centennial Prof. David M. Hercules), Oak Ridge National Laboratory (with Gary J. Van Berkel), and the Medical University of South Carolina (with Prof. Kevin L. Schey). Additionally, he rejoined Vanderbilt University as a Research Assistant Professor (working with Centennial Prof. David M. Hercules) to pursue research efforts on insoluble materials with Chevron Phillips and Teijin Aramid. In 2010, Anthony joined The Dow Chemical Company's Core R&D Analytical Sciences Department located in Lake Jackson, Texas. His area of expertise is mass spectrometry of polymers – specifically, MALDI analysis of insoluble polymers.



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