

Webinar series

Discrete synthetic macromolecules: Synthesis and applications



online
Ghent, Belgium

May 3, 10 and 17, 2021

Organizers:

Prof. Dr. Filip Du Prez

Dr. Nezha Badi

Dr. Resat Aksakal

With the support of:



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Polymer
Chemistry



ROYAL SOCIETY
OF CHEMISTRY

Speakers (in alphabetical order)



Resat Aksakal
Ghent University, Belgium

Christopher Alabi
Cornell University, USA



Hans Börner
Humboldt-Universität zu Berlin, Germany

Bruno De Geest
Ghent University, Belgium



Elizabeth Elacqua
Pennsylvania State University, USA

Laura Hartmann
H.H. Universität Düsseldorf, Germany



Craig Hawker
University of California Santa Barbara, USA

Ivan Huc
L. M. Universität München, Germany



The live stream will be available via this [Link](#)
(free of charge – no registration required)

Speakers (in alphabetical order)



Jeremiah Johnson

Massachusetts Institute of Technology, USA



Alain Jonas

Université catholique de Louvain, Belgium



Jean-François Lutz

Institut Charles Sadron, CNRS, France



Mike Meier

Karlsruhe Institute of Technology, Germany



Anja Palmans

Eindhoven University of Technology, Netherlands



Mathieu Surin

University of Mons, Belgium



Ron Zuckermann

Lawrence Berkeley National Laboratory, USA

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Program – Monday May 3, 2021

(Central European Time, CET)

13h05-13h10: Opening remarks - Filip Du Prez

13h10-14h30: Session 1

13h10-13h50: Mike Meier “Unique sequence-defined macromolecules: from synthesis and characterization to potential uses”

13h50-14h30: Resat Aksakal “Synthesis and applications of discrete synthetic macromolecules”

14h30-14h45: Break

14h45-16h05: Session 2

14h45-15h25: Alain Jonas “Does Sequence Control the Catalytic Efficiency of Multifunctional Precision Oligomers?”

15h25-16h05: Ivan Huc “Engineering folded nanoarchitectures”

16h05-16h20: Break

16h20-17h00: Session 3

16h20-17h00: Jeremiah Johnson “Syntheses and biological studies of discrete oligo/polytriazoles prepared through iterative exponential growth”

17h00-17h05: Closing remarks – Nezha Badi



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Program – Monday May 10, 2021

(Central European Time, CET)

13h05-13h10: *Opening remarks - Filip Du Prez*

13h10-14h30: Session 1

13h10-13h50: Laura Hartmann “Sequence-defined glycomacromolecules - solid phase synthesis and biomedical applications”

13h50-14h30: Mathieu Surin “Insights into the dynamics and 3D structures of sequence-defined macromolecules”

14h30-14h45: Break

14h45-16h05: Session 2

14h45-15h25: Anja Palmans “Discrete oligomers: from controlling molecular weight to controlling morphologies and aggregation properties”

15h25-16h05: Elizabeth Elacqua “Merging Organic Synthetic and Macromolecular Chemistry: Toward Accelerated Catalysis and Architecturally-Diverse Sp³-Enriched Polymers”

16h05-16h20: Break

16h20-17h00: Session 3

16h20-17h00: Ron Zuckermann “Protein-mimetic nanostructures from sequence-defined polypeptoids”

17h00-17h05: *Closing remarks – Resat Aksakal*



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Program – Monday May 17, 2021

(Central European Time, CET)

13h05-13h10: Opening remarks - Filip Du Prez

13h10-14h30: Session 1

13h10-13h50: Jean-François Lutz “Discrete macromolecules : From oligomers to larger sequence-defined polymers”

13h50-14h30: Hans Börner “Peptido mimetic precision polymers: Strategies to access functional precision polymer sequences”

14h30-14h45: Break

14h45-16h05: Session 2

14h45-15h25: Bruno De Geest “Polymer therapeutics from controlled radical polymerization to solid phase synthesis”

15h25-16h05: Christopher Alabi “Importance of Macromolecule Sequence - Definition in Biologics and Plastics”

16h05-16h20: Break

16h20-17h00: Session 3

16h20-17h00: Craig Hawker “Facile Synthesis of Discrete Polymer Libraries”

17h00-17h05: Closing remarks – Filip Du Prez



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