

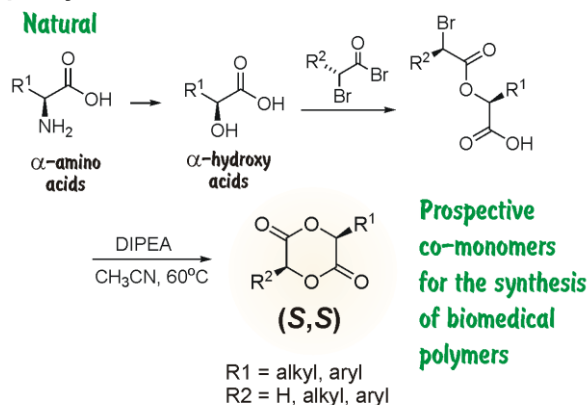
Boris Lozhkin  
ESR10 Fellow

*Institution: University of Basel*  
*Group: Artificial Metalloenzymes Laboratory*  
*Supervisor: Prof. Dr. Thomas R. Ward*  
*E-mail: boris.lozhkin@unibas.ch*

Meeting 1  
Eindhoven, 26<sup>th</sup> March 2019

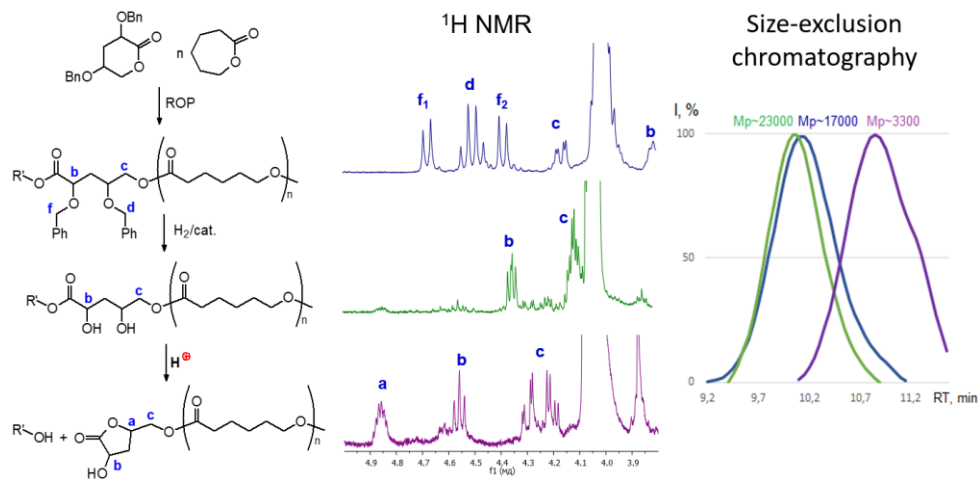
Specialist Degree: Lomonosov Moscow State University (2011-2017) (5.0 GPA)

Diploma project: Synthesis of substituted 1,4-dioxane-2,5-diones and their ring-opening conversion under catalytic polymerization condition (Group of Prof. Dr. I. E. Nifant'ev)



*Mend. Comm.*, 28, 2018, 61–63  
*Mend. Comm.*, 28, 2018, 429–430  
*Mend. Comm.*, 28, 2018, 629–631

Synthesis of the first acid-free pH-sensitive polymer:

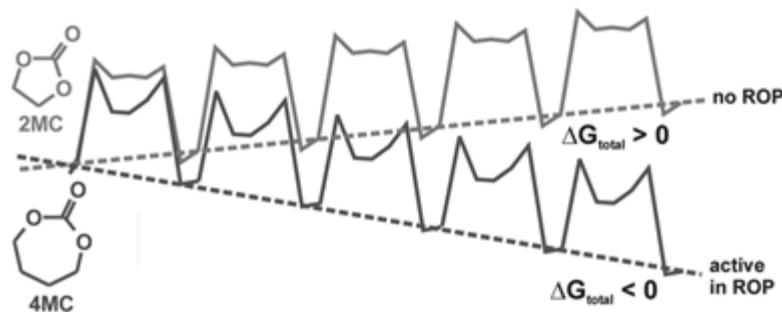


## Organic chemistry:

- Synthesis (late step functionalization, development of new methods, total synthesis, solid-phase synthesis);
- Catalysis (transition metals, chemically weak elements, mechanistic studies);
- Computational chemistry (DFT-calculations, energy profiles of reactions);
- Organic electrochemistry;

## Medicinal chemistry:

- Drug delivery systems;
- Synthesis of prodrugs for *in vivo* transformations;



*React. Kinet. Mech. Catal.*, 117, **2016**, 447–476

## Polymer chemistry:

- Biodegradable polymers (synthesis of monomers and polymerization);

## Inorganic chemistry:

- Synthesis of solid oxides and X-ray analysis.

 Molecular and cell biology

 Scientific writing

 Ethics on site

 German courses