The 3rd Cross-Border Seminar on Electroanalytical Chemistry (CBSEC 2021).

We are glad that we can inform our readers, members of Czech Chemical Society (CSCH) and German Chemical Society (GDCh), members of International Society of Electrochemistry (ISE) and namely its Division 1 Analytical Electrochemistry and all other friends and supporters of electroanalytical chemistry that – in spite of COVID-19 pandemic- we were able to organize CBSEC 2021. The seminar was organized based on the long-term cooperation between electroanalytical chemists from the Czech Republic and Germany and the associated societies (CSCH and GDCh). In contrast to the previous seminars this was the first one completely conducted on a digital platform in line with social distancing norms due to the pandemic. When the name “Cross-Border Seminar” was coined for the first event, which took place in Furth im Wald (Germany) in 2018, no one could imagine that it would become difficult again to cross the Czech-German border. Nevertheless, the virtual format of the seminar enabled us crossing borders and discussing research in the field of electroanalytical chemistry. In this way we can continue the scientific exchange between graduate students (and their supervisors). And we are happy that we were able to cross borders between countries, generations, universities and research institutions, and different branches of electroanalytical chemistry.

We are proud to have about 60 registered participants from the Czech Republic, Germany, Poland, Spain, Slovakia, and Russia representing the strong electroanalytical traditions of their countries. Altogether 40 scientific contributions including 35 presentations given by PhD students were presented. Naturally, in a seminar for graduate students the young generation of electroanalytical researchers was in the spotlight but another attractive aspect of
crossing borders was to enable interactions between generations of scientists and representatives from industry. This mixture provided a floor for intensive discussions and paved the way for international collaborations and possibly will open future job opportunities. All sessions were chaired by PhD students and the whole program can be found on CBSEC 2021 web pages http://www-analytik.chemie.uni-regensburg.de/CBSEC_3/index_elach.htm.

We are very happy that we can inform electroanalytical community about the result of the competition for the best presentation. The following presentations were awarded:

**Simona Baluchová**

Poly-L-lysine-modified planar and porous boron-doped diamond electrodes: Electrochemical behaviour and stability  
Charles University  
Czech Republic

**Daniel Dobrovodský**

Electrochemical probes in DNA structure recognition using hanging mercury drop electrode  
Institute of Biophysics of the CAS  
Czech Republic

**Nicole Heigl**

Novel concepts for carbohydrate analysis by means of online electrochemistry-capillary electrophoresis-mass spectrometry  
University of Regensburg  
Germany

**Stefan Wert**

Development of a temperature-pulse enhanced electrochemical glucose biosensor and characterization of its stability via scanning electrochemical microscopy  
University of Regensburg  
Germany
At the end we would like to thank International Society of Electrochemistry, Charles University (Project of Strategic Partnership) and Metrohm Company for kindly supporting financial prizes for the above-mentioned PhD students best presentations. And we thank all participants for their exciting presentations and we are looking forward to CBSEC 2022.

Frank-Michael Matysik and Jiří Barek
Best Presentation Award

3rd Cross-Border Seminar on Electroanalytical Chemistry
On-line Seminar via Zoom, April 08-09, 2021

Stefan Wert
Development of a temperature-pulse enhanced electrochemical glucose biosensor and characterization of its stability via scanning electrochemical microscopy

Prof. RNDr. Jiří Barek, CSc.
Division of Analytical Chemistry
Czech Chemical Society (CSCH)

Prof. Dr. Frank-Michael Matysik
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