



PortASAP

COST Action CA16215 - European Network for the Promotion of PORTable, Affordable and Simple Analytical Platforms

BUILD YOUR OWN CAPILLARY ELECTROPHORESIS INSTRUMENT WORKSHOP

FINAL PROGRAM

Hotel Continental, Brno, Czech Republic, October 15-16, 2018

COST Action CA16215

European network for the promotion of portable, affordable and simple analytical platforms

FOREWORD

Welcome to the COST Workshop entitled “Build your own capillary electrophoresis instrument” that I also sometimes call “Open source capillary electrophoresis (CE) workshop”. The idea of this workshop is to bring together the top specialists in the capillary electrophoresis field who are willing to share their ideas, knowledge and enthusiasm for building in-house built CE systems. The workshop will encompass all necessary practical information for anyone attending to build their own CE system from a scratch, including some basic theory on how CE works. It is my pleasure to welcome all invited speakers who kindly accepted my invitation and to thank them for their support. My thanks also go to the co-organizers, Franta Foret and Guillaume Erny, without whom this workshop would not be possible, as well as the students who will help with the administrative and practical issues and the COST Association for the financial support. I wish you all an enjoyable and pleasant stay in Brno.

Petr Kubáň

Brno, September 25, 2018

ORGANISING COMMITTEE

Petr Kubáň	CEITEC Masaryk University/Academy of Sciences, Brno, Czech Republic
František Foret	CEITEC Masaryk University/Academy of Sciences, Brno, Czech Republic
Guillaume Erny	Faculty of Engineering of the University of Porto, Porto, Portugal
Julia Lačná	CEITEC Masaryk University, Brno, Czech Republic
Pavol Ďurč	CEITEC Masaryk University, Brno, Czech Republic
Věra Dosedělová	CEITEC Masaryk University, Brno, Czech Republic

MONDAY, October 15, 2018

- 8:00-14:00 Registration
- 8:30-8:45 Opening remarks (Petr Kubáň, Guillaume Erny)
- 8:45-9:00 **Petr Kubáň**
CEITEC Masaryk University/Academy of Sciences of the Czech Republic
Introduction to Capillary Electrophoresis: Build your own CE instrument
- 9:00-9:45 **Peter C. Hauser**
Department of Analytical Chemistry, University of Basel, Basel, Switzerland
UV/Vis- and Conductivity Detectors for Capillary Electrophoresis
- 9:45-10:30 *Kelliton José Mendonça Francisco, **Claudimir Lucio do Lago***
University of São Paulo, São Paulo, Brazil
An open C⁴D for capillary electrophoresis
- 10:30-11:00 Coffee break
- 11:00-11:45 **Jan Příklad**
Academy of Sciences of the Czech Republic, Brno, Czech Republic
3D printed LEDIF detector for CE
- 11:45-12:30 **Mihkel Kaljurand**
Department of Chemistry and Biochemistry, Tallinn University of Technology, Tallinn, Estonia
Using portable CE instruments for in-situ determining of banned compounds
- 12:30-14:00 Lunch
- 14:00-14:45 **Roland Fuiko**
Institute for Water Quality and Resource Management, TU Wien, Vienna, Austria
Instrumentino – A practical approach for fast setup, control and monitoring of experimental CE instruments
- 14:45-15:15 **Petr Kubáň**
CEITEC Masaryk University/Academy of Sciences of the Czech Republic, Brno, Czech Republic
Open source data acquisition systems

15:15-16:00	Guillaume Erny <i>Faculty of Engineering of the University of Porto, Porto, Portugal</i> How to promote OpenCE instruments using the COST networking tools (roundtable discussion)
16:00-17:00	Discussions, closing of the first day
17:00-19:00	Individual program
19:00 - ?	Gala dinner, hotel Continetal

TUESDAY, October 16, 2018

9:00-9:45	Bohuslav Gaš <i>Faculty of Science, Charles University, Prague, Czech Republic</i> Method Development in CE using computer tools
9:45-10:15	Petr Tůma <i>Charles University, Third Faculty of Medicine, Prague, Czech Republic</i> Application of Capillary Electrophoresis with Contactless Conductivity Detection in Analysis of Clinical Samples
10:15-11:00	Coffee break
11:00-11:45	Michał Woźniakiewicz <i>Faculty of Chemistry, Jagiellonian University in Kraków, Krakow, Poland</i> Application of CE in forensic analysis
11:45-12:30	Jelena Gorbatšova, Mihkel Kaljurand <i>Department of Chemistry and Biochemistry, Tallinn University of Technology, Tallinn, Estonia</i> Challenges for portable analyzers space
12:30-12:45	Closing remarks
12:45-14:00	Lunch, discussions
