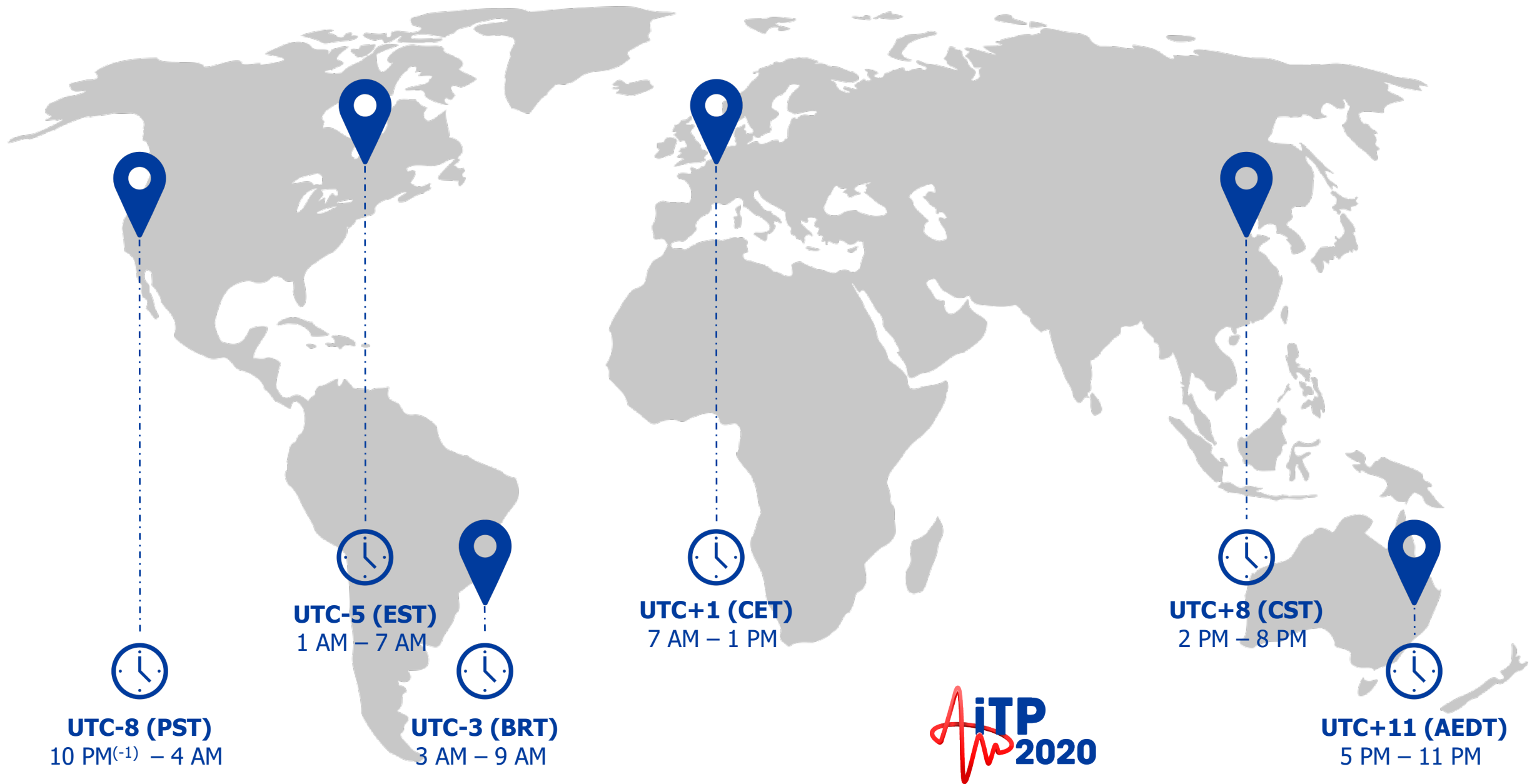




# **27th International Symposium on Electrophoretic and Liquid Phase Separation Techniques**

**2-4 November 2020**

# Time zones



**November 2<sup>nd</sup> – November 4<sup>th</sup>, 2020**

# Plenary speakers

25 min presentation + 5 min live discussion with the audience



**Norman DOVICH**

*Capillary electrophoresis and the sequencing of the human genome*



**Guowang XU**

*Towards the comprehensive analysis of metabolome*



**David MUDDIMAN**

*Electrophoretic, liquid and gas-phase separations coupled to mass spectrometry to unravel neurological diseases*



**Chris LE**

*Molecular diagnosis of COVID-19: recent advances and research needs*



**Hermann WÄTZIG**

*Proteins and their properties: always exciting, and always a challenge*



**Daniel FIGEYS**

*The gut microbiome function and network*



**Frantisek FORET**

*Epitachophoresis: theoretical and practical considerations*



**Robert KENNEDY**

*Exploring ultra high pressure LC and prefractionation strategies to improve compound identification in lipidomics and metabolomics*

# Keynote speakers

15 min presentation + 5 min live discussion with the audience



**Michael BOWSER**

*High-speed analysis of branched chain amino acids using online microdialysis - capillary electrophoresis*



**Philip BRITZ-MCKIBBIN**

*New advances in CE-based metabolomics for biomarker discovery: serum metabolic signatures of peripheral artery disease*



**Deirdre CABOOTER**

*Deep Q-learning for the selection of optimal isocratic scouting runs in liquid chromatography*



**Doo Soo CHUNG**

*Sensitive determination of nonsteroidal anti-inflammatory drugs in urine using 3-phase direct immersion single drop microextraction in-line coupled with capillary electrophoresis*



**Stephanie COLOGNA**

*Integrated Proteomic and Lipidomic Studies in the Neurodegenerative Disorder, Niemann-pick Type C*



**Hervé COTTET**

*Protein separation in capillary electrophoresis: the big move into the chromatographic world*



**Ning FANG**

*Quantitative measurement of nanoconfinement effects on molecular transport and chemical reaction*



**Jurgen GAILER**

*Unravelling of the degradation pathway of a bimetallic anticancer complex in human plasma*





**Carlos GARCIA**

*From cellulose to functional materials for sensors and CE separations*



**Bohuslav GAS**

*Simul 6 – Free fast dynamic simulator of electrophoresis*



**Davy GUILLARME**

*Multi-dimensional chromatographic approaches to characterize protein biopharmaceuticals*



**Rob HASELBERG**

*Unleashing the power of CE to characterize snake venoms*



**Jingwu KANG**

*Screening of epigenetic modulators by capillary electrophoresis*



**Václav KAŠIČKA**

*Capillary electrophoresis for chiral analysis of diquats and determination of binding constants of their complexes with sulfated cyclodextrins*



**Isabelle KOHLER**

*Bioactive lipids as potential markers of cardiometabolic health in young adults*



**Jörg KUTTER**

*Utilizing properties of thiol-ene materials for microfluidic devices for analytical and pharmaceutical applications*





**Lyu JIAWEN**

*Microparticle assisted precipitation screening method for robust drug target identification*



**Chang LIU**

*Ultra high-throughput and chromatography-free bioanalysis of polar analytes with acoustic ejection mass spectrometry*



**Zhen LIU**

*Sugar superbinders for precision disease diagnosis*



**Yehia MECHREF**

*MS-Based glycomic and glycoproteomic Tools to Analyse glycan and glycopeptide isomers in biological samples*



**Christian NEUSÜSS**

*Multifunctional nanoflow sheath liquid interface for CE-MS*



**Feng QU**

*ssDNA aptamer selection and inhibition to the binding of 2019-nCoV S1 protein to ACE2*



**Rawi RAMAUTAR**

*Capillary electrophoresis-mass spectrometry for micro-metabolomics: looking back and the next steps*



**Govert SOMSEN**

*Preserving protein nativeness in liquid chromatography and ion mobility spectrometry*



**Ruijun TIAN**

*Integrated sample preparation for sensitive and automated proteomic profiling*



**Hailin WANG**

*High affinity and undissociated capillary electrophoresis for measuring protein-DNA interaction and for DNA separation*



**Qiuquan WANG**

*Single-Cell Analysis Using Oil-Free Cell-Sorting dI-ICP-MS*



**Rebecca WIESNER**

*Deglycosylation studies on Maurice, Wes, LabChip GXII Touch HT, and SDS-PAGE*



**Catherine WONG**

*Proteomics approach for developing new CAR-T therapeutic methods*



**Chao YAN**

*Advances of pCEC and qCE and their applications in pharmaceutical and biochemical analyses*



**Mingliang YE**

*Microparticle assisted precipitation screening method for robust drug target identification*



**Lihua ZHANG**

*Deep-coverage analysis of protein-protein interaction by cross-linking mass spectrometry*

