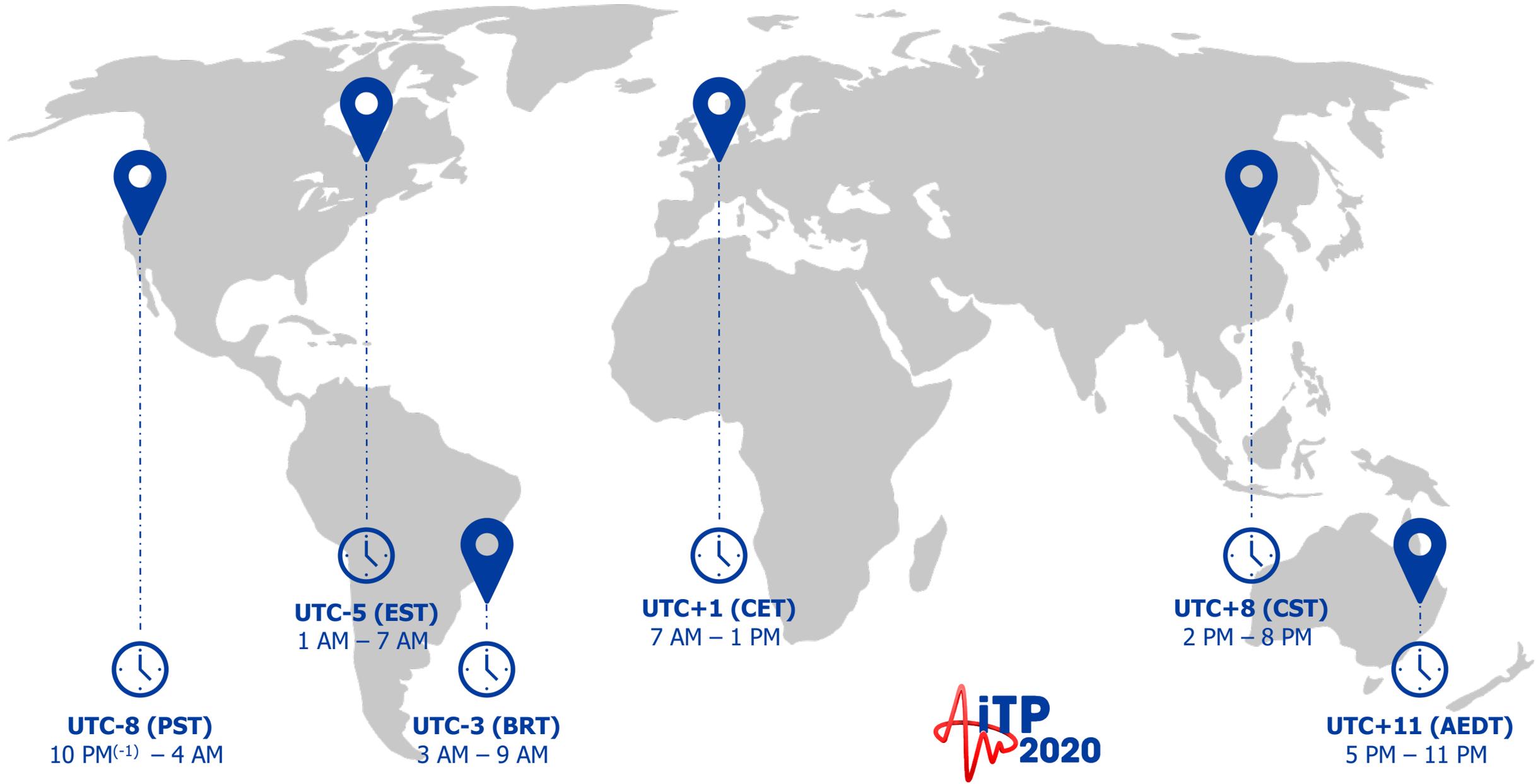




**27th International Symposium on Electrophoretic and
Liquid Phase Separation Techniques**

2-4 November 2020

Time zones



November 2nd – November 4th, 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 un-dissociated 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

