

## KEYNOTE SPEAKERS



**Justin Ihnken & Connor Murphy**

QNTM Labs

### QNTM Labs – Unravelling the Lab Industry... Starting with Why?

#### Abstract

What does it take to build a modern contract lab from the ground up? Where does the contract lab fit in the pharmaceutical ecosystem? Why have labs changed so little the past 40 years when the rest of the pharmaceutical industry has changed so much?

These are the key questions QNTM Labs was built on – and the inefficiencies QNTM Labs are driving solutions for. Hear Murphy and Ihnken dive into the shortfalls and misconceptions of the lab testing industry and how QNTM Labs is bringing innovation and transparency to the traditional field of pharmaceuticals.

#### About

Justin Ihnken (CEO) and Connor Murphy (COO) are the cofounders of QNTM Labs, a laboratory testing platform designed to support the medical cannabis industry by providing research, development and regulatory compliance to pharmaceutical companies.



**Matthew Collins**

Niels Bohr Professor of Palaeoproteomics,  
University of Copenhagen

#### About

Matthew Collins is a Niels Bohr Professor at the University of Copenhagen and serves as the McDonald Chair of Palaeoproteomics at the McDonald Institute for Archaeological Research. He founded the biomolecular archaeology group, BioArCh, at the University of York. In 2014, he was elected as a Fellow of the British Academy.

### ZooMS

#### Abstract

As we focus evermore on chasing the latest technology, let us celebrate the simple peptide mass fingerprint. ZooMS (...no not Zoom, ZooMS), is a term only known to archaeologists, school children and librarians. ZooMS is very simple, and allows inexperienced users not only to sample, but to study and interpret mass spectra. Because of its simplicity it is an easy way into 'proteomics', and yet teaches key concepts in mass-spectrometry. In this presentation I will discuss some of the stories which have emerged using ZooMS which, by essentially putting a MALDI-TOF mass-spectrometer into a school, museum, archive or library generates collaborative knowledge often in surprising and unexpected ways. I will conclude by considering what are the challenges in studying this dark palaeoproteome.

Event Coordinator:

AmCham Denmark - Dag Hammarskjölds Allé 13 - 2100 Copenhagen Ø

# ESAC 2023

## Executive Seminars in Analytical Chemistry

Tuesday, April 25, 2023 - Scandic Copenhagen



AmCham Denmark's Analytical Instruments Committee is pleased to announce the 22nd annual Executive Seminars in Analytical Chemistry: ESAC 2023

ESAC brings together manufacturers, leading scientific researchers, progressive vendors and cutting-edge technology within the field of analytical instruments.

Experiences, methods, results and the latest developments will be presented within four core areas: Life Science / Biotech, Pharmaceutical, Food / Environmental and Clinical / Forensic applications.

### ANALYTICAL INSTRUMENTS COMMITTEE COMPANIES



### GUEST EXHIBITORS







<b>09:00 - 09:30</b>	<b>Registration &amp; Coffee</b>
<b>09:35 - 09:45</b>	<b>Introduction &amp; welcome remarks by Stephen Brugger, AmCham Denmark</b>
<b>09:45 - 10:20</b>	<b>KEYNOTE 1: “Unravelling the Lab Industry... Starting with Why?”, Justin Ihnken (CEO) &amp; Connor Murphy (COO), QNTM Labs</b>

	Life Science / Biotech			Pharmaceutical			Food / Environmental			Clinical / Forensic		
	Title	Presented by	Technique	Title	Presented by	Technique	Title	Presented by	Technique	Title	Presented by	Technique
<b>10:30 - 11:00</b>	Improving Metabolite Identification: Faster and more confident identifications with Part Per Billion Mass Accuracy	Ross Chawner, Waters	HRMS	Need for advanced Mass spectrometry in pharma product development – FT-ICR, Oligo/RNA sequencing and small molecule structure elucidation	<b>Gustaf Hulthe</b> , Ph.D. AstraZeneca	scimaX MRMS	”It’s just a cheese” - Application of Food Omics in the dairy industry	<b>Lene Buhelt Johansen</b> Arla Innovation Centre	timsTOF Pro	Is High Resolution LC/MS the future in a clinical lab	<b>Jean-Baptiste Vincendet</b> , European Market Development Manager for Clinical, SCIEX	LC/MS

<b>11:00 - 11:30</b>	<b>Coffee Break</b>
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<b>11:30 - 12:00</b>	High Throughput Spatial Single Cell Metabolomics	<b>Shawn Owens</b> , Ph.D. BioInnovation Institute - Bio Studio: SpaceM	timsTOF fleX MALDI-2	MetEAD. Adding orthogonal solutions for the characterization and quantification of metabolites	<b>Ferran Sánchez</b> , Market Development Manager, Pharma, SCIEX	LC-MS/MS	Dealing with the challenges of monitoring PFAS related compounds in food by LC-MSMS	<b>Anders Feldthus</b> , Product Specialist, Agilent	LC/QQQ	Automation of Instrument Software Tasks in Forensic Routine LCMS Analysis	<b>Christian Brinch Mollerup</b> , Forensic Chemist, Forensic Medicin Inst.	LC/QQQ
<b>12:05 - 12:35</b>	Rapid and robust proteomes with standardized methods on the Evosep One powered by Zeno SWATH data independent acquisition (DIA)	<b>Bharath Kumar Raghuraman</b> , Project Scientist, Odense University Hospital and Evosep	LC-MS/MS	LC-Multi-reflecting-ToF in Biopharma	<b>Kim F. Haselmann</b> , Principal Scientist, Novo Nordisk	MRT-ToF	Non-target chemical analysis using HRMS platforms to discover emerging environmental pollutants	<b>Martin Hansen</b> , Associate Professor - Environmental Metabolomics Lab, Aarhus University		A pharmacoproteomic landscape of organotypic intervention responses in sepsis	<b>Professor Johan Malmström</b> , Lund University - Department of Clinical Sciences	timsTOF Pro

<b>12:35 - 13:45</b>	<b>Lunch Break</b>
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<b>13:45 - 14:20</b>	<b>KEYNOTE 2: “ZooMS”, Matthew Collins, Niels Bohr Professor of Palaeoproteomics, University of Copenhagen</b>
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	Life Science / Biotech			Pharmaceutical			Food / Environmental			Clinical / Forensic		
	Title	Presented by	Technique	Title	Presented by	Technique	Title	Presented by	Technique	Title	Presented by	Technique
<b>14:30 - 15:00</b>	GCMS for clinical metabolomics applications	<b>Karolina Sulek</b> , Senior Researcher, PhD, MSE, Steno Diabetes Center Copenhagen	GCHS	Characterizing the next generation oligonucleotide therapeutics	<b>Ulrik Mistarz</b> , Biopharma Application Expert, Thermo Fisher Scientific		How to use the latest technologies to achieve ultimate sensitivity and compound coverage in PFAS analysis	<b>Janitha De-Alwis</b> , Waters	LC-MS-MS	Accurate and Deep Proteome Quantification for Biological and Clinical Proteomics using TMTpro	<b>Michael Wierer</b> , Director, Novo Nordisk Foundation Center for Protein Research	TMTpro
<b>15:05 - 15:35</b>	Whole-body imaging of drugs and metabolites in mice by Desorption Electrospray Ionization Imaging mass spectrometry	<b>Christian Janfelt</b> , Associate Professor, Toxicology and Drug Metabolism	DESI-MSI	Comparing Raman and NIR for content measurements of protein-based tablets	<b>Zacharias Damholt</b> , Senior Analytical Scientist, Novo Nordisk	Raman Spectroscopy	The use of LC-MS/MS to study environmental toxicants impact on the human body	<b>Christian Lindh</b> , Associate Professor, Lund University	LC-MS/MS	High-sensitive mass spectrometric assays for sex steroid hormones in the clinical lab	<b>Henrik Ryberg</b> , Sahlgrenska Universitets-sjukhuset	LC-MS-MS

<b>15:35 - 16:00</b>	<b>Coffee Break, Wrap up &amp; Prize Drawing</b>
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