

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
9:00-10:00	CHECK-IN					
10:00-12:00	Pipeline Pilot Fundamentals	Pipeline Pilot Analytics and Machine Learning	AI-Driven Drug Design	COSMO-RS: Reaction Modeling beyond DFT & Reactions in Solvents	Jupyter Notebook and Python Integration in Pipeline Pilot	1. Follow the Drug 2. Biologics Design
12:00-1:00	LUNCH					
1:00-2:00	Pipeline Pilot Fundamentals (Continued)	Pipeline Pilot Analytics and Machine Learning (Continued)	ONE Lab Calculation Engine	COSMO-RS: Crystal Design in Pharmaceutical Development (Cocrystal Screening, Morphology, Solvent Screening)	Jupyter Notebook and Python Integration in Pipeline Pilot (Repeat)	Day in life of a Recipe Developer: A Food & Beverage Formulations Experience
2:00-3:00						Development of Polymer Materials
3:00-4:00						Battery Materials V+R Innovation
4:00 - 6:00	Welcome Reception					

	Lab of the Future	Regulatory, Quality and Manufacturing	Materials Innovation	Data Science and Informatics	Drug Discovery
9:00 AM	KEYNOTE				
	Room 1	Room 2	Room 3	Room 4	Room 5
10:00 AM	The Next Generation of ONE Lab on 3DEXPERIENCE Gene Tetreault, BIOVIA	AI Future of Regulatory Kevin O'Leary BIOVIA	AI A Foundation Model for Atomic Scale Materials Chemistry Gabor Csanyi Cambridge University	AI Using Pipeline Pilot to Democratise Model Building Ian Stott Unilever	AI Drug Discovery with AI Customer TBA
10:25 AM	ONE Lab for Quality Control Labs Gene Tetreault, BIOVIA	AI Intro and Overview of Structured Documents Margaux Soules, BIOVIA	AI Optimizing Process Performance through Molecular Design and Predictive Thermodynamics Lukas Raßpe-Lange RWTH Aachen University	AI Data Science and AI in Biopharma Customer TBA	AI Application of Generative Therapeutic Design and CSD-GOLD for Discovery of Novel Anti-TB Molecules Rupesh CHIKHALE Cambridge Crystallographic Data Centre
10:50 AM	BREAK				
11:10 AM	ONE Lab Implementation in QC Jason Walford, AstraZeneca	CMC Dossiers Use Case & Demo of CMC Authoring Margaux Soules BIOVIA	AI Machine Learning (ML) Applications in Materials Innovation BIOVIA	AI AI/ML Use Cases with Pipeline Pilot David Nicolaides BIOVIA	AI Collaborative Solution for Small Molecule Therapeutics Design Alexandre Cabayé BIOVIA
11:35 AM	ONE Lab in QC Joao Nunes & Ricardo Gariso, Hovione	Customer TBA	A Quantum Computing Collection for Pipeline Pilot Quantinuum	Introduction to Virtual Companion Phil Cochrane BIOVIA	AI Enhanced Active Learning in Generative Design David Nicolaides BIOVIA
12:00 PM	LUNCH				

	Lab of the Future	Regulatory, Quality and Manufacturing	Modeling & Simulation in Pharma Development	Data Science and Informatics	Drug Discovery
	Room 1	Room 2	Room 3	Room 4	Room 5
1:30 PM	BIOVIA Notebook ELN Florian Klunker, Huntsman	Future of Quality Management – Industry is Transforming Part 1 AI Kevin O’Leary, BIOVIA	Computer-Aided Solvent Selection to Control Nucleation and Resulting Product Quality Attributes in API Crystallization Jacek Zeglinski, APC Ltd.	Pipeline Pilot in Life Sciences Customer TBA	Retrosynthetic Analysis Laurent Naudin, BIOVIA
1:55 PM	BIOVIA Scientific Notebook ELN Laurent Rebion, BIOVIA	Future of Quality Management – Industry is Transforming Part 2 AI Kevin O’Leary, BIOVIA	A Fully Automated Pipeline for Physical Property Prediction Simone Tomasi AstraZeneca	Pipeline Pilot in Life Sciences Customer TBA	The Present and Future of BIOVIA Chemistry Matthew Sage, BIOVIA
2:20 PM	ELN and ONE Lab Customer TBA	Quality Document Manager Niamh Finn, BIOVIA	Pharma Dev with Materials Studio Customer TBA	Pipeline Pilot in Life Sciences Customer TBA	Next-generation Materials Registration on 3DEXPERIENCE Platform Neil Eccles, BIOVIA
2:45 PM	POSTER SESSION & BREAK				
3:45 PM	Innovators for Instrument Integration Laurent Rebion, BIOVIA	Introducing the New BIOVIA Biopharma Quality Management 3DEXPERIENCE Platform AI Niamh Finn, BIOVIA	Pharma Dev with COSMO-RS Customer TBA	Introduction to Machine Learning Workbench and Pipeline Creator Clement Nardari, BIOVIA	Optimization of Nek6 Inhibitors' Structure by Computer-assisted Design Maria Cristina De Rosa Catholic University of Rome
4:10 PM	Drug Product Development Gene Tetreault, BIOVIA	Exploring Next Gen Quality Customer TBA	Pharma Dev with Materials Studio Customer TBA	Predicting Prediction Accuracy David Nicolaides, BIOVIA	Biologics Design with Deep Learning and Molecular Modeling and Simulation Anne Goupil, BIOVIA
4:35 PM	BIOVIA Professional Services: Your #1 Value Up Partner BIOVIA	Migrating Third-Party Quality Systems into the 3DEXPERIENCE Platform AI Kevin O’Leary, BIOVIA	Pharma Development Customer Panel	Using LLMS and Foundation Models for Chemistry Gregory Price, Alena SHEVELEVA and David Nicolaides AI BIOVIA	Drug Discovery with Molecular Modeling Enhanced by OpenFold/AlphaFold in Discovery Studio Simulation AI BIOVIA

	Lab of the Future	Regulatory, Quality and Manufacturing	Materials Modeling & Simulation	Data Science and Informatics	Formulations
9:00 AM	KEYNOTE				
	Room 1	Room 2	Room 3	Room 4	Room 5
10:00 AM	UCB Biopharma 4.0 Smart Laboratory Philippe Huberts, UCB	Discoverant: What's New and Maintaining Your Hierarchies (Gene / Tom Simons) BIOVIA	Interpreting X-ray Spectra from Li-ion Battery Cathode Materials Rebecca Nicholls Oxford University	AI Pipeline Pilot Applications Customer TBA	Streamline Formula and Recipe Development Workflows BIOVIA
10:25 AM	Biologics Purification Workflow Frederico Nardi, Sanofi	Beyond Document Structured Content: APQR Use Case Stephane Vellay BIOVIA	Advanced Simulation for Next-gen Battery Materials Johan Carlsson, BIOVIA	Pipeline Pilot Roadmap and What's New Clement Nardari, BIOVIA	Virtual Formulation: Optimizing Your Designs for Success BIOVIA
10:50 AM	BREAK				
11:10 AM	ONE Lab Natanel Sela, Padagis	Pharma 4.0: Achieving Agile Biomanufacturing Virtual Twin Experiences Mahaut De Villepin-Lambert BIOVIA	Material Studio as an Efficient Tool to Study Structure-property Relations of Novel Carbonates Prof. Bjoern Winkler Goethe University	Pipeline Pilot Pet Peeves Part 1 Clement Nardari, BIOVIA	A Day in Life of Formulator BIOVIA
11:35 AM	Materials Inventory Management on 3DEXPERIENCE Platform Gene Tetreault, BIOVIA	Customer TBA	Hydrocarbon Membranes for Fuel Cell Applications: A DFT Stability Study Chris Perry Johnson Matthey	Pipeline Pilot Pet Peeves Part 2 Clement Nardari, BIOVIA	Multi-Objective Formulation Optimization BIOVIA
12:00 PM	LUNCH				

	Lab of the Future	Regulatory, Quality and Manufacturing	Materials Modeling & Simulation	Workshop		
	Room 1	Room 2	Room 3	Room 4	Room 5	
1:30 PM	ELN and Inventory Management Customer TBA	Customer TBA	Innovate Faster and Better with Materials Studio 2024 James Wescott, BIOVIA	ONE Lab Calculation Engine BIOVIA		
1:55 PM	Synthetic Chemistry in ONE Lab Matthew Sage, BIOVIA	Customer TBA	Catalyst Modeling and Simulation Customer TBA			
2:20 PM	Controlled Substances in CISPro Frank Schaffer, BIOVIA	Streamlining Templated Report Generation: Leveraging Discoverant Data Automation Stephane Vellay BIOVIA	The Chemistry of Sustainable Packaging Stephen Todd, BIOVIA			
2:45 PM	BREAK					
3:30 PM	Effective Search for Scientific Data James Wescott, BIOVIA	Customer TBA	Molecular Modeling and Simulation Customer TBA			
3:55 PM	Lab Workflows and Data Analytics for Battery Materials in Automotive Frank Schaffer, BIOVIA	Customer TBA	Reaction Modeling with COSMO-RS Customer TBA	ONE Lab Calculation Engine BIOVIA (Continued)		
4:20 PM	Putting Your Lab Data to Work: Data Science Initiatives James Wescott, BIOVIA	Customer Panel Discussion TBA	Industrial Applications with COSMO-RS BIOVIA			

Hands-on Session Abstracts

15-Oct

10:00 AM - 12:00 PM
01:00 PM - 04:00 PM

Room 5

Unlocking the Power of Jupyter Notebook and Python Integration in Pipeline Pilot

Gregory Price, **BIOVIA**

Python is the go-to language for innovation. See how you can leverage its considerable capabilities via Pipeline Pilot. Do data analysis, visualization, AI, etc., and access the latest scientific algorithms (e.g. Bayesian Experimental Design) for advancing your R&D”

*Please bring your own laptop.

15-Oct

10:00 AM - 12:00 PM
01:00 PM - 04:00 PM

Room 1

Pipeline Pilot Fundamentals

Johan Carlsson, **BIOVIA**

Learn how to build and utilize protocols (process steps) in Pipeline Pilot. Rapidly create, test and publish scientific services and automate the process of accessing, analyzing and reporting scientific data.

This course is for beginners to BIOVIA Pipeline Pilot. Session includes lunch.

*Please bring your own laptop.

15-Oct

10:00 AM - 12:00 PM
01:00 PM - 04:00 PM

Room 2

Pipeline Pilot Analytics and Machine Learning

David Nicolaidis, **BIOVIA**

Learn how to use Pipeline Pilot for analytics and machine modeling. In this session you will learn how to characterize the variables in a data set, clean the data, group the data into clusters, build and validate predictive machine learning models from your data and apply your models to make new predictions and optimizations.

Requires a knowing how to create and run a protocol and how to use components.

*Please bring your own laptop

15-Oct

01:00 PM - 04:00 PM

Room 3

ONE Lab Calculation Engine

BIOVIA

A popular session in Americas BIOVIA Live, this is a hands-on session best designed for ONE Lab Recipe Authors who are ready to take their use of Compose expressions to the next level. The session will be Instructor led, but paced for you to follow along on your own laptop and to leave time for questions as you proceed through the curated examples. The session is roughly divided into two parts that will run consecutively:

Part 1: Fun with Summary Expressions in this session, harness the power of advanced data manipulation techniques like variable-length statistical analysis, multi-point filtering and selection.

Part 2: Automating Decisions and Other Important Tricks Learn to simplify value searches with partial string matching and conquer repetitive tasks with loops.

*Please bring your own laptop.

15-Oct

10:00 AM - 12:00 PM

Room 4

COSMO-RS: Reaction Modeling beyond DFT & Reactions in Solvents

Frank Eckert, BIOVIA

Join our workshop on COSMO-RS, where you'll explore advanced reaction modeling techniques beyond Density Functional Theory (DFT) and learn how to predict chemical reactions in solvents. Enhance your understanding of computational chemistry and gain practical insights into predictive modeling for complex chemical systems.

*Please bring your own laptop.

15-Oct

01:00 PM - 03:00 PM

Room 4

COSMO-RS: Crystal Design in Pharmaceutical Development

Frank Eckert, BIOVIA

Join our 2-hour workshop on COSMO-RS: Crystal Design in Pharmaceutical Development. Dive into cocrystal screening, morphology, and solubility screening to enhance your understanding of crystal design and its applications in pharmaceuticals. Perfect for professionals aiming to optimize drug development processes.

*Please bring your own laptop..