

# Digital Bioprocessing

From technical innovation to business impact

20th - 21st June, 2024

@ ETH Zurich  
Switzerland

DataHow Symposium



Under the patronage of ETH Zurich, Department of Chemistry  
and Applied Bioscience

**ETH** zürich

4<sup>th</sup> DataHow Symposium

## Digital Bioprocessing

From technical innovation to business impact

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### Outline

In an industry rapidly evolving, new digital technologies are a transformative force within the domain of bioprocessing. Through insightful talks from industry and innovation thought leaders, the presentation of industry case studies, and engaging networking sessions, the Symposium will unravel the pivotal relationships between technological innovation and operational and business performance, exploring how the fusion of digital capabilities and bioprocessing expertise is redefining industry standards and reshaping the trajectory of success.

Join us at our key annual event and meet with industry leaders, academic pioneers, and digital innovators as we discuss concrete actions to advance towards Pharma 4.0.

The Symposium will provide attendees the opportunity to both listen and engage with the topics explored, with the first day focusing on presentations and talks from industry and academia, and the second day being dedicated to innovative bioprocessing solutions.

Website: [www.datahow.ch](http://www.datahow.ch) E-Mail: [info@datahow.ch](mailto:info@datahow.ch)

### Who should attend?

Experts and professionals working in biopharma or within other industries which operate bioprocesses will benefit from a clearer understanding of the current and future digitalization trends and how they might be applied.

We also welcome researchers and academics who will be able to interact with the industry and better understand the challenges which are faced.

### What is the format?

This symposium is a networking event designed to present and discuss inspiring innovations as well as technological and conceptual trends. A series of insightful presentations will be combined with interactive round table discussions, while also showcasing a few digital solutions as part of an exhibition space.

The first day will follow the classical Symposium format, with engaging speakers on a broad range of topics. A more detailed agenda and speakers will be made available as soon as possible. Symposium participants are invited to a networking dinner on the 20th and will be able to network with other guests during the many coffee breaks between talks.

On day two we will allow you to engage directly with selected softwares changing bioprocessing. DataHowLab will be in focus from DataHow, with a deep dive into the softwares capabilities and a view of what to expect in the next releases. This will be complemented by a hands-on workshop in the afternoon, or an opportunity to have a one-to-one discussion with a DataHow expert.

### What are the fees?

The participation fee is **CHF 695.00/person from industry** and **CHF 395.00/person from academia**. We offer **early booker prices** of CHF 595.00/person from industry and CHF 345.00/person from academia, registering before March 15<sup>th</sup>, 2024.

The fee includes all information material for the symposium in paper and electronic form, as well as F&B for lunch and coffee breaks. Not included are accommodation, and any travel expenses.

## Location


The conference will take place at the ETH Zurich - [Hönggerberg campus | ETH Zurich, Building HCI](#). ETH's reputation as one of the leading technology institutions in the world creates the ideal for our innovation-themed agenda. The company and its founders also have a close relationship with the university.

Access to ETH is straight forward, with direct flight access to Zurich International airport, which is connected to Zurich main station (Hauptbahnhof) via rail or taxi.

## Accommodation

Zurich offers a brought range of [hotel and hospitality options](#). Please let us know if you need any assistance with your hotel booking.

## 2023 Symposium - Agenda (08h30 – 18h00)

Symposium 	
● TIME	● AGENDA
08:30	Registration and welcome coffee
09:00	<p>Welcome and introduction by the conference host - Michael Sokolov, PhD - Co-founder and COO DataHow</p> <p>Patron talk by <b>ETH Zurich</b> - Digitalization and optimization of sustainable (bio)processes - Prof. Dr. Gonzalo Guillén Gosálbez - Department of Chemistry &amp; Applied Bioscience</p> <p>Partner talk by <b>Securecell</b> - Overarching device integration and data harmonization to enable process knowledge-driven digital solutions. - Andreas Koch, PhD - Head of Key Account Management</p> <p>30' min - Coffee Break</p> <p>Use case by <b>Wheeler Bio Inc.</b> - Adopting digital transformation and machine learning in a CDMO setup - Yuk Chiu, MSc - Chief Manufacturing Officer</p> <p>Use case by <b>Sanofi</b> - How Digital tools and AI/ML can accelerate R&amp;D for novel modalities? - Fernando Ulloa Montoya, PhD - Head of Data and Computational Sciences</p> <p>Use case by <b>Merck Serono SA</b> - Development of a digital twin for monitoring and predictive control of an automated perfusion microbioreactor system. - Jean-Marc Bielser, PhD - Head of BDC Business Operations</p> <p>60' min - Networking Lunch</p> <p>Use case by <b>Cytiva</b> - Achieving process consistency through in-silico PD - Helena Ohrvik, PhD and Mark Demesmaeker, PhD</p> <p>Use case by <b>Boehringer-Ingelheim</b> - Generic modelling for gaining platform knowledge in upstream development - Lilliana Montaña Herrera, PhD and Sabine Arnold, PhD</p> <p>Use case by <b>Rentschler Biopharma SE</b> - Predicting the process - A CDMOs journey to computational bioprocessing - Walter Denk, PhD - Group Lead Bioprocess Data Science Unit</p> <p>30' min - Coffee Break</p> <p>Innovation by <b>DataHow</b> - Transfer learning: Faster process developments and more insights - Moritz von Stosch, PhD - CIO DataHow</p> <p>Round table of experts - Led by Fabian Feidl, PhD - Co-founder and CTO DataHow</p> <p>Closing words and Aperó Meet the experts in person</p>
18:00	End of Symposium

## Terms and Conditions

Confirmation: A signed confirmation of completion will be delivered to each participant after the course.

Cancellation policy: Cancellation of registration must be submitted in writing or via email to [f.costa@datahow.ch](mailto:f.costa@datahow.ch).

Cancellations made later than 3 weeks before the symposium-start will be subject to a 30% cancellation fee. A colleague may be substituted without penalty. Full refunds will be made in the case that the symposium is cancelled, e.g., due to insufficient enrolment.

## Registration

The link to register is:

[https://form.jotform.com/Costa\\_fcosta/registration-4th-datahow-symposium](https://form.jotform.com/Costa_fcosta/registration-4th-datahow-symposium)

Registration is only complete after payment or payment confirmation. Registration is binding unless the minimum number of participants cannot be reached.

When registering you agree to receive any information regarding the course and other marketing campaigns of DataHow. By accepting the terms, you also agree to be filmed/photographed throughout the event and the materials will be used for commercial purposes by DataHow.



In case of questions or for additional information please contact:

**Fátima Costa**

Symposium organization

E-mail: [f.costa@datahow.ch](mailto:f.costa@datahow.ch)

We are looking forward to numerous registrations, a great knowledge transfer, and a great exchange of ideas and experiences.

Your DataHow-team,



**DataHow AG**

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