

SIB Swiss Institute of Bioinformatics



# Big data in biology promises and challenges

[BC]<sup>2</sup> Basel Computational Biology Conference  
11 – 13 September 2023, Basel

**Sponsorship  
opportunities**

[www.bc2.com](http://www.bc2.com)



Swiss Institute of  
Bioinformatics



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# Welcome to [BC]<sup>2</sup>

Come to [BC]<sup>2</sup> to meet a vibrant community of scientists and enhance your brand visibility with tailored solutions.

The [BC]<sup>2</sup> Basel Computational Biology Conference is the scientific meeting of the [SIB Swiss Institute of Bioinformatics](#). Organized every two years, [BC]<sup>2</sup> is Switzerland's leading event in the domain of **Computational Biology** and one of the **major events of its kind in Europe**. The conference brings together around 500 scientists from academia, industry and healthcare working on a broad range of topics: from spatiotemporal gene expression patterns and modelling evolutionary dynamics, to the genetics influencing human health.

The theme of next year's conference will be **'Big data in biology - promises and challenges'**. This edition will also mark the conference's 20<sup>th</sup> anniversary: a unique opportunity to hear from leading experts about the lessons learned and development forecasts across the topic.

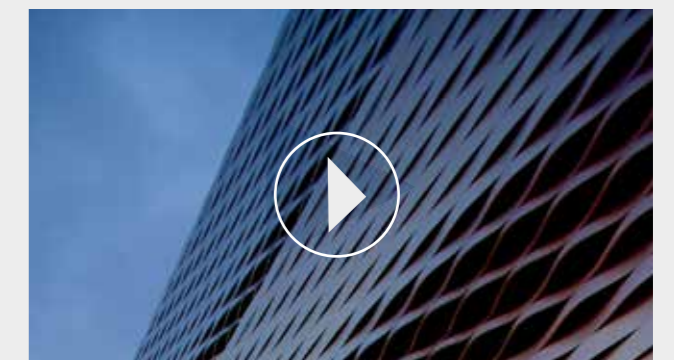
The program features inspiring **keynote lectures**, thematic tracks highlighting the latest findings around **artificial intelligence, precision medicine, protein in 3D, single-cell approaches, immune processes and ecology and evolution**, and a special session showcasing successful collaborations between academia and industry. Hands-on **workshops and tutorials, poster sessions, social and networking activities** will further allow for peers to connect in a friendly atmosphere.

**CONNECT WITH EUROPE'S MOST INNOVATIVE LIFE SCIENCE RESEARCHERS, DATA SCIENTISTS AND SOFTWARE DEVELOPERS!**



## Never been at [BC]<sup>2</sup>?

Watch the video of previous conferences [↴](#)



## Monday 11 September

9:00	<b>Tutorials &amp; workshops</b> (Biozentrum)
9:15	
9:30	
9:45	
10:00	
10:30	Coffee break
10:45	
11:00	<b>Tutorials &amp; workshops</b> (Biozentrum)
11:15	
11:30	
11:45	
12:00	
12:15	Lunch break
12:30	
12:45	
13:00	
13:15	
13:30	<b>Tutorials &amp; workshops</b> (Biozentrum)
13:45	
14:00	
14:15	
14:30	
14:45	
15:00	
15:15	
15:30	
15:45	
16:00	Coffee break
16:15	
16:30	
16:45	
17:00	
17:15	<b>[BC]<sup>2</sup> Opening lecture</b> <b>Elisabeth Bik</b> (Basel Conference Center)
17:30	
17:45	
18:00	
18:15	
18:30	Welcome dinner
18:45	
19:00	
19:15	
19:30	
19:45	
20:00	
21:00	
22:00	

## Tuesday 12 September

9:00	<b>Parallel session 1</b> <b>Track A:</b> Machine Learning algorithms for advancing spatial biology <b>Jean Fan</b> <b>Track B :</b> Precision medicine: harnessing big data for cancer and other complex diseases <b>Sohrab Shah</b>
9:15	
9:30	
9:45	
10:00	
10:30	Coffee break
10:45	
11:00	<b>Bioinformatics Awards ceremony</b> <b>incl. awardees speeches</b>
11:15	
11:30	
11:45	
12:00	
12:15	Lunch break
12:30	
12:45	
13:00	
13:15	
13:30	<b>Parallel session 2</b> <b>Track A:</b> Proteins in 3D: the dynamics of protein structures and their interactions <b>Paola Picotti</b> <b>Track B:</b> Methods in single-cell data analysis: from pre-processing to biological inference <b>Dominic Grün</b>
13:45	
14:00	
14:15	
14:30	
14:45	Coffee break
15:00	
15:15	
15:30	
15:45	
16:00	<b>Industry exhibition and poster session</b> <b>incl. coffee break</b>
16:15	
16:30	
16:45	
17:00	
17:15	<b>Social activity</b>
17:30	
17:45	
18:00	
18:15	
18:30	Get-together for participants and speakers' dinner
18:45	
19:00	
19:15	
19:30	
19:45	
20:00	
21:00	
22:00	

## Wednesday 13 September

9:00	<b>Parallel session 3</b> <b>Track A:</b> Dynamics of immune processes: from responses to pathogens to immunotherapy <b>Ido Amit</b> <b>Track B:</b> Deciphering ecology and evolution with creative genomics approaches <b>Kristy Deiner</b>
9:15	
9:30	
9:45	
10:00	
10:30	Coffee break
10:45	
11:00	<b>[BC]<sup>2</sup> Highlights session</b>
11:15	
11:30	
11:45	
12:00	
12:15	Lunch break
12:30	
12:45	
13:00	
13:15	
13:30	<b>Special session: industry/academia collaborations</b> <b>Madiha Derouazi &amp; Vincent Zoete</b>
13:45	
14:00	
14:15	
14:30	
14:45	<b>Industry exhibition and poster session</b> <b>incl. coffee break</b>
15:00	
15:15	
15:30	
15:45	
16:00	<b>Closing lecture</b> <b>Fabian Theis</b> <b>Poster prize, and closing remarks</b>
16:15	
16:30	
16:45	
17:00	

# Key topics of the 2023 conference

## Big data in biology: promises and challenges

From deciphering gene expression to modelling the dynamics of evolution or better understanding how genetics influences health, bioinformatics tools and analyses are essential: they allow data to be transformed into meaningful knowledge. **[BC]<sup>2</sup> 2023 will feature some of the most cutting-edge methods and tools developed to make data speak and solve biological riddles.**

### Our international keynote speakers:

- **Dr. Elisabeth Bik**  
Science consultant, Harbers Bik LLC
- **Prof. Dr Fabian Theis**  
Helmholtz Zentrum Munich Germany

### List of invited speakers (see the [full programme](#) on the website):

- **Prof. Ido Amit**  
Principal Investigator Department of Immunology at Weizmann Institute of Science, Israel
- **Prof. Dr Kristy Deiner**  
Assistant Professor at ETH Zurich and co-founder of SimplexDNA, Switzerland
- **Dr Jean Fan**  
Assistant Professor in the Department of Biomedical Engineering at Johns Hopkins University - JEFworks Lab.
- **Prof. Dr Dominic Grün**  
Chair of Computational Biology of Spatial Biomedical Systems at Insitute for system biology, University of Würzburg, Germany
- **Prof. Dr Paola Picotti**  
Deputy head of Institute for Molecular Systems Biology and associate (Tenured) professor, ETH Zurich, Switzerland
- **Dr Sohrab Shah**  
Chief of Computational Oncology in the Department of Epidemiology and Biostatistics, at the Memorial Sloan Kettering Cancer Center, USA

# Expected audience

[BC]<sup>2</sup> is an international conference held every two years in Switzerland and attracting researchers from Europe and internationally.

In 2021, we had 36 presentations and 480 attendees who came from more than **30 countries** and were well balanced in terms of career stage and gender. **About 34% of participants were working in the private sector**, highlighting [BC]<sup>2</sup>'s importance in bringing together participants from different industry and academia.


**34%**  
from industry


**43%**  
people interested in healthcare

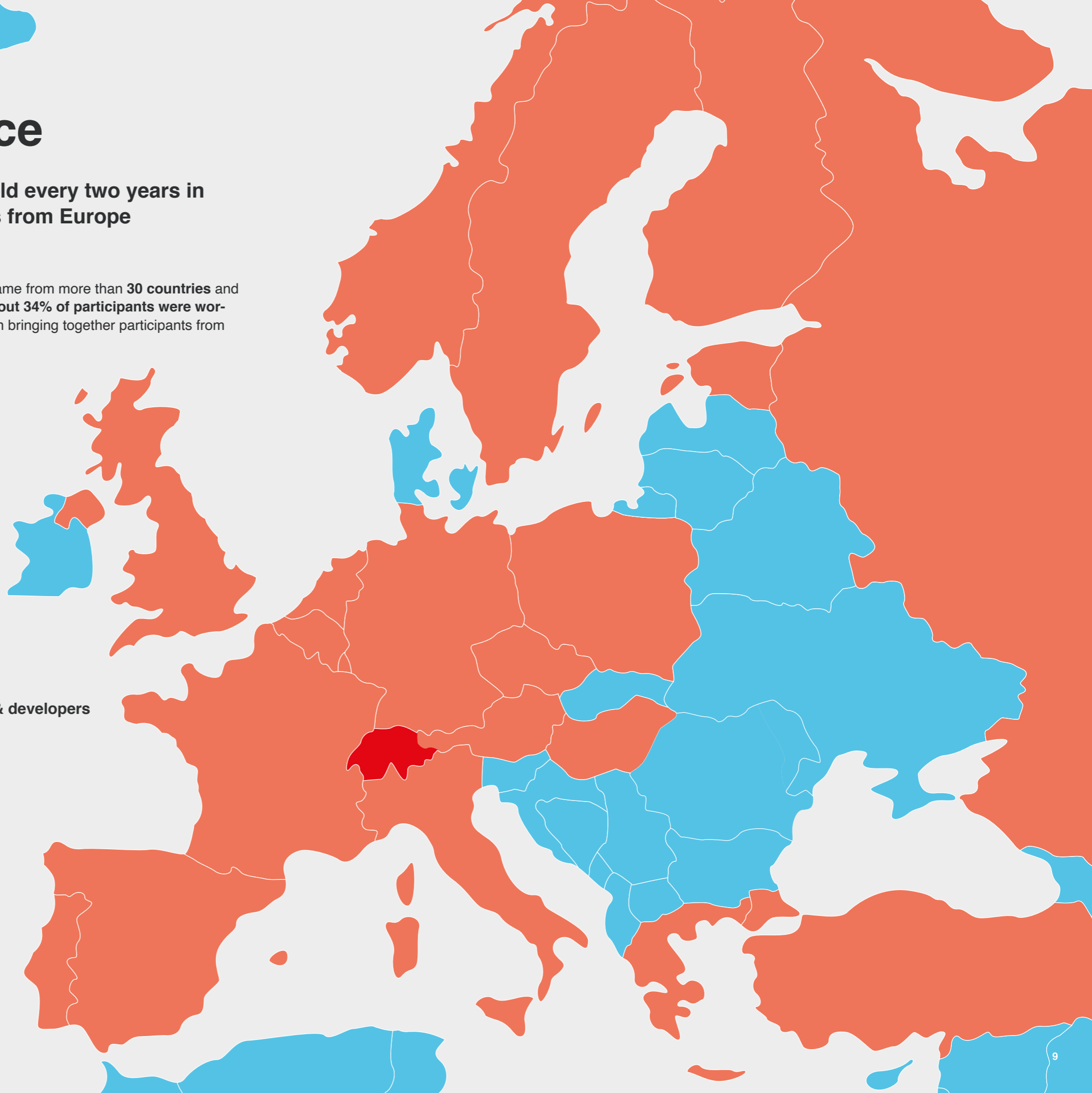
**54%**  
researchers & developers

**19%**  
in senior positions

**25%**  
students

 Attendees' countries of origin

 Not represented countries



# Your benefits as a sponsor

[BC]<sup>2</sup> is a human-sized conference with a diverse audience. It is recognized as one of the leading computational events in Europe for technology transfer and academia-industry collaborations in the field of computational biology and bioinformatics.

**“It’s a really great place to meet people working in the field, and I think there is a significant need in academia and industry for this kind of work.”**

Moritz Saxenhofer, Scientist Translational Biology Research, CSL Behring

**“[BC]<sup>2</sup> is the best meeting in Europe to get an overview of what’s going on in computational biology.”**

Erik van Nimwegen, Group Leader at SIB and Professor at the University of Basel, [BC]<sup>2</sup> Scientific Committee Chair



## Increase your network

Enjoy our dedicated activities where we aim to maximize interaction and networking among participants. We are also open for discussion if you have specific needs, to ensure you make the most out of the conference.

## Access talent

Connect with the people working in your research domain, find collaboration partners or your next talent.

## Foster your brand awareness

Increase your brand visibility thanks to our packages. They allow you to introduce yourself to our attendees in the way you want.

## Unlock Innovation

Support a conference that brings together scientists, developers and key opinion leaders in discussion and resource sharing that can transform cutting-edge research with scientific breakthroughs.

# Exhibition & sponsorship packages

Sponsors are vital to ensuring the success of [BC]<sup>2</sup>. Our sponsorship packages include valuable brand promotion through social media, prime exhibit space, recognition in pre- and post-event marketing and full conference registration. Allow us to help you reach your organization's goals and make your brand visible!

The number of sponsorship packages is limited, so secure yours now.

## Sponsorship "à la carte"

**Wi-Fi Sponsor 3'500 CHF**

*The name of your company on Wi-Fi offers maximum visibility.*

**Travel Fellowship Sponsor (limited availability) 1'650 CHF**

*Targets students, early-career scientists and established scientists from low- and middle-income countries requiring financial support, to ensure equal opportunities and diversity. Applicants will submit a letter of motivation explaining their interest and financial situation, based on which laureates will be selected by an external committee.*

**Poster prize 500 CHF**

*Visibility of your company during the prize ceremony.*

**Artwork Prize 1'000 CHF**

*An artwork competition will be organized to encourage scientists to present their work in a different form to the conference participants. Photographs and images will be evaluated in terms of their aesthetic quality and their ability to inspire and amaze, to tell a story or to let us discover a new universe. As a sponsor, the competition will be named after your company's name and you will be able to select the laureate.*

<b>Molecule Package</b> 10'000 CHF	<b>Genome Package</b> 5'000 CHF	<b>Chromosome Package</b> 3'000 CHF	<b>Gene Package</b> (for companies up to 20 employees) 1'500 CHF
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### Exhibition and conference participations

12 m <sup>2</sup> 2 tables, 1 poster wall	12 m <sup>2</sup> 2 tables, 1 poster wall	6 m <sup>2</sup> 1 table, 1 poster wall	6 m <sup>2</sup> 1 table, 1 poster wall
3	2	2	1*
x	x		

### Social media recognition and promotion \*\*\*

x	x	x	x
x	x	x	
x	x		
x	x		
x			
x			

### Participation at the [BC]<sup>2</sup> networking events

x	x	x	x
x	x	x	x
x			

### Social activities for higher visibility

2
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Exhibition booth (includes chairs and electricity sockets)

Free additional registrations \*\*

Eco-friendly gift in the delegate bag

Acknowledged on the [BC]<sup>2</sup> website

Recognition on social media before and after the event

Logo on opening slides and the conference programme

Logo on break slides and programme PDF

Promotional video \*\*\*\* (max. 2 min)

Featured in the [BC]<sup>2</sup> newsletter

Job posts on the [BC]<sup>2</sup> website and on a screen during the event

Participation at the conference bingo

A talk about career during the [BC]<sup>2</sup> Networking Corner

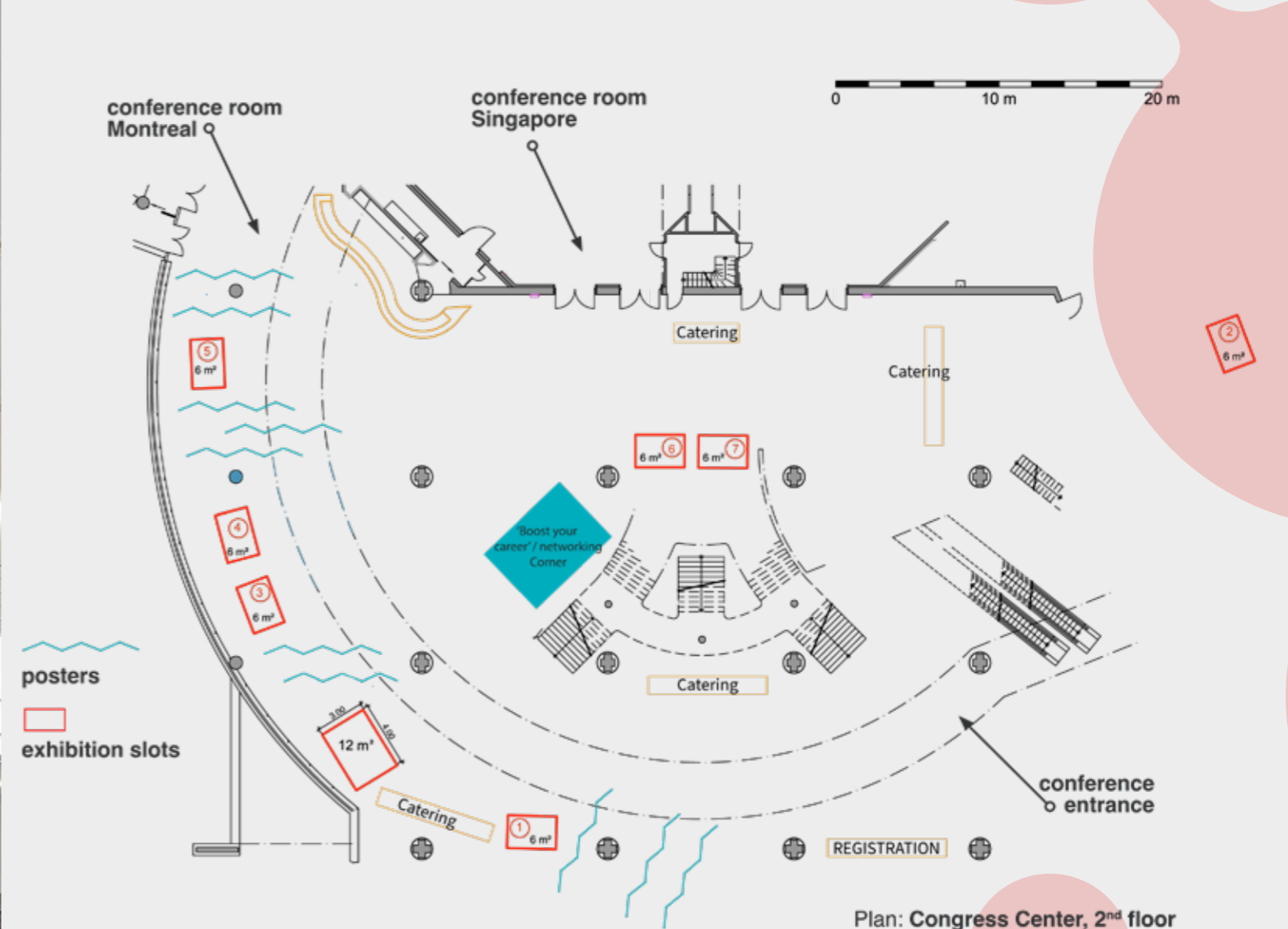
Entries to the speakers' dinner

\* Reduced fee for additional passes (academic rate).

\*\* Registration includes entrance to all lectures, lunch, coffee breaks and welcome apéro

\*\*\* Social Media reach: Twitter [BC]<sup>2</sup> 550 followers, Twitter SIB 6'880 followers, LinkedIn SIB 13'110 followers

\*\*\*\* Promotional video: Gold sponsors (Molecule package) can submit a video clip that will be on display during the live event (it needs to be approved first). The video should be no longer than 2 minutes. It will also be published on the conference website and social media accounts, before and after the event.



# Exhibition spaces

**Start a conversation with a future collaborator, client, researcher or business partner at the industry exhibition.**

[BC]<sup>2</sup> aims to bring together the academic world and the private sector, highlight current industry projects, foster new collaborations and give companies the opportunity to recruit new talent. The industry exhibition will take place right in the middle of the foyer, on the 2<sup>nd</sup> floor of the Congress Center, with direct access to the presentation rooms.

## Exhibition area

Exhibitors are gathered near the catering area, where coffee breaks and lunch take place, surrounded by posters, thus benefiting from excellent visibility. Each exhibitor can choose a 6m<sup>2</sup> regular booth or 12m<sup>2</sup> premium booth, and will be provided with a package including 1 table, 2 chairs, 1 poster wall and 1 power connection.

Several screens will display job openings and academic positions that you can submit to us beforehand.



# Inclusivity and sustainability at [BC]<sup>2</sup>

**[BC]<sup>2</sup> is a great place to spark scientific advances while fostering an inclusive atmosphere and striving for sustainability.**

[BC]<sup>2</sup> is open to all, without any discrimination or distinction of any kind, be it gender, language, religion, political or other opinion or national or social origin. In addition to our Diversity, Equality and Inclusion statement (see right page) we offer fellowships to help early-career scientists, students and scientists from low- and middle-income countries to ensure equal opportunities and diversity: you can play a direct role by sponsoring a travel fellowship.

[BC]<sup>2</sup> is striving for a sustainable conference: we encourage local scientists to join the conference by train or non-polluting vehicle. Participants from countries other than Switzerland's immediate neighbours are invited to join the virtual version of the conference. Up to 10% of attendees could fall into this category. The food will be local and vegetarian, using seasonal products. The catering service will work with reusable materials instead of plastic. We have also made the decision to follow a no-plastic policy and reduce printed material etc. wherever possible.



Swiss Institute of  
Bioinformatics

## Respecting and encouraging equality, diversity and inclusion: values we hold dear at SIB!

Both as the ambassador of the Swiss bioinformatics community and as an employer, SIB has a critical role to play in ensuring and fostering diversity and equal opportunities in the scientific ecosystem as well as in the workplace. Equality has many facets, including national or ethnic origin, sexual orientation, gender identity and disability. The institute is committed to leverage the diversity of profiles and backgrounds among its members, employees and at all events it is organizing by creating a culture of equality and inclusion, and to enable everyone to develop their potential and skills. Respect being one of the core values of SIB, the institute has always strived to translate these commitments into its organization and endeavours.



# General information

## Location

Congress Center Basel, Messeplatz 21, 4058 Basel, Switzerland

## Set-up date and time

Monday 11 September 2023: 17:00 - 18:00

## Dismantling date and time

Wednesday 13 September 2023: 17:00 - 19:00

## Exhibition hours

Tuesday 12 September 2023: 9:15 - 17:00

Wednesday 13 September 2023: 9:15 - 17:00

## Contacts

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Swiss Institute of  
Bioinformatics

# About SIB

The SIB Swiss Institute of Bioinformatics is an internationally recognized non-profit organization, dedicated to biological and biomedical data science. It is present in the main academic institutions in Switzerland and leads numerous national and international projects with a major impact on life science research and health.

SIB's scientists are passionate about creating knowledge and converting complex questions into solutions in many fields, from biodiversity and evolution to medicine. They provide essential databases and software platforms, data management, software engineering and biocuration services, as well as computational biology know-how and training in bioinformatics. The Institute delivers this expertise to academic groups and clinicians as well as to private companies.

SIB federates the Swiss bioinformatics community of some 800 scientists, encouraging collaboration and knowledge sharing. It also cooperates with national and international institutions on research infrastructure matters.

The institute contributes to keeping Switzerland at the forefront of innovation by fostering progress in biological research and enhancing health.

## **SIB Swiss Institute of Bioinformatics**

*Data scientists for life*  
[www.sib.swiss](http://www.sib.swiss)

