



Workshop on Genomics 2026

Český Krumlov, 11th - 24th January

Workshop
on
Genomics



Objectives

- frequently asked questions (FAQs) ?
- introductions 🙌
- workshop background 🏰
- logistics 🧐
- expectations 🙏
- other items 🥑

Frequently Asked Questions

the website is our " ~ " (home) for all things workshop related:

<https://evomics.org/2026-workshop-on-genomics/>

2026 WORKSHOP ON GENOMICS, CESKY KRUMLOV



The 2026 Workshop on Genomics takes place from the **11th-24th of January, 2026** in Český Krumlov, Czechia.

Important information:

Feedback

- For sending feedback during the workshop, direct message evomics.workshops on slack, or email evomics.workshop@gmail.com

Find your way around Český Krumlov

- [Map](#) of the **main locations in the schedule** (Save to your Google Maps!)
- [Map](#) of some of the main Český Krumlov **restaurants** (Save to your Google Maps!)
- [Map](#) of some of the main Český Krumlov **bars** (Save to your Google Maps!)
- [Map](#) of Český Krumlov **service points**: shops, pharmacy, ATM, hospital (Save to your Google Maps!)
- [Map](#) of the historic City Centre of Český Krumlov

Frequently Asked Questions

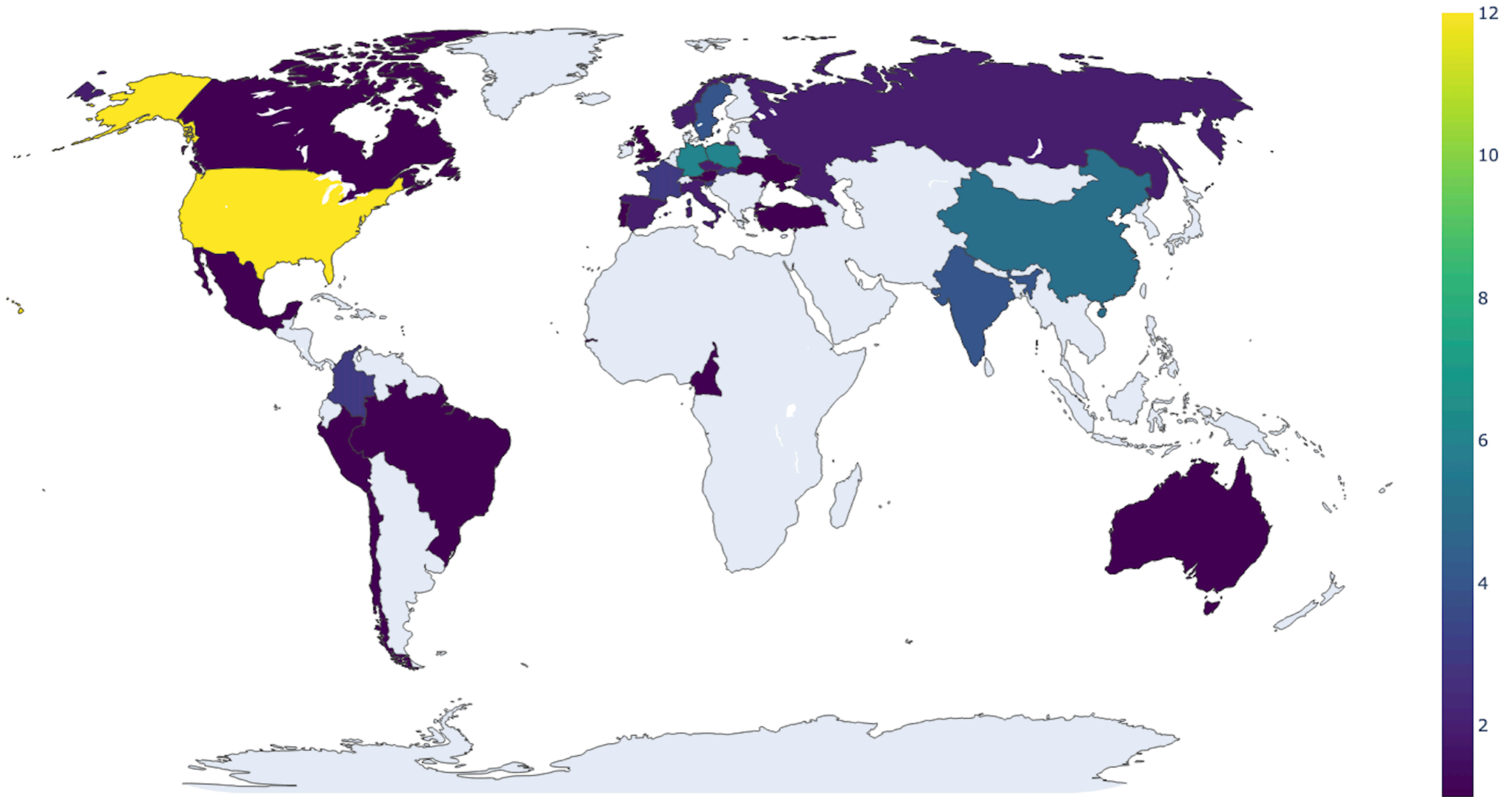
- where are the toilets?
- coffee / tea?
 - in lectures: around half-way (functional caffeine only!)
 - in labs: always available in backroom, faculty will commonly incorporate breaks
- when do we eat?
 - 12h - 14h (lunch)
 - 17h - 19h (dinner)
- where do we eat?
 - map on website and more info from Daniel Kintzl (shortly)
 - ask us!
 - go to the supermarket for faster/cheaper options :)
 - late-night options for eating are limited

Who?

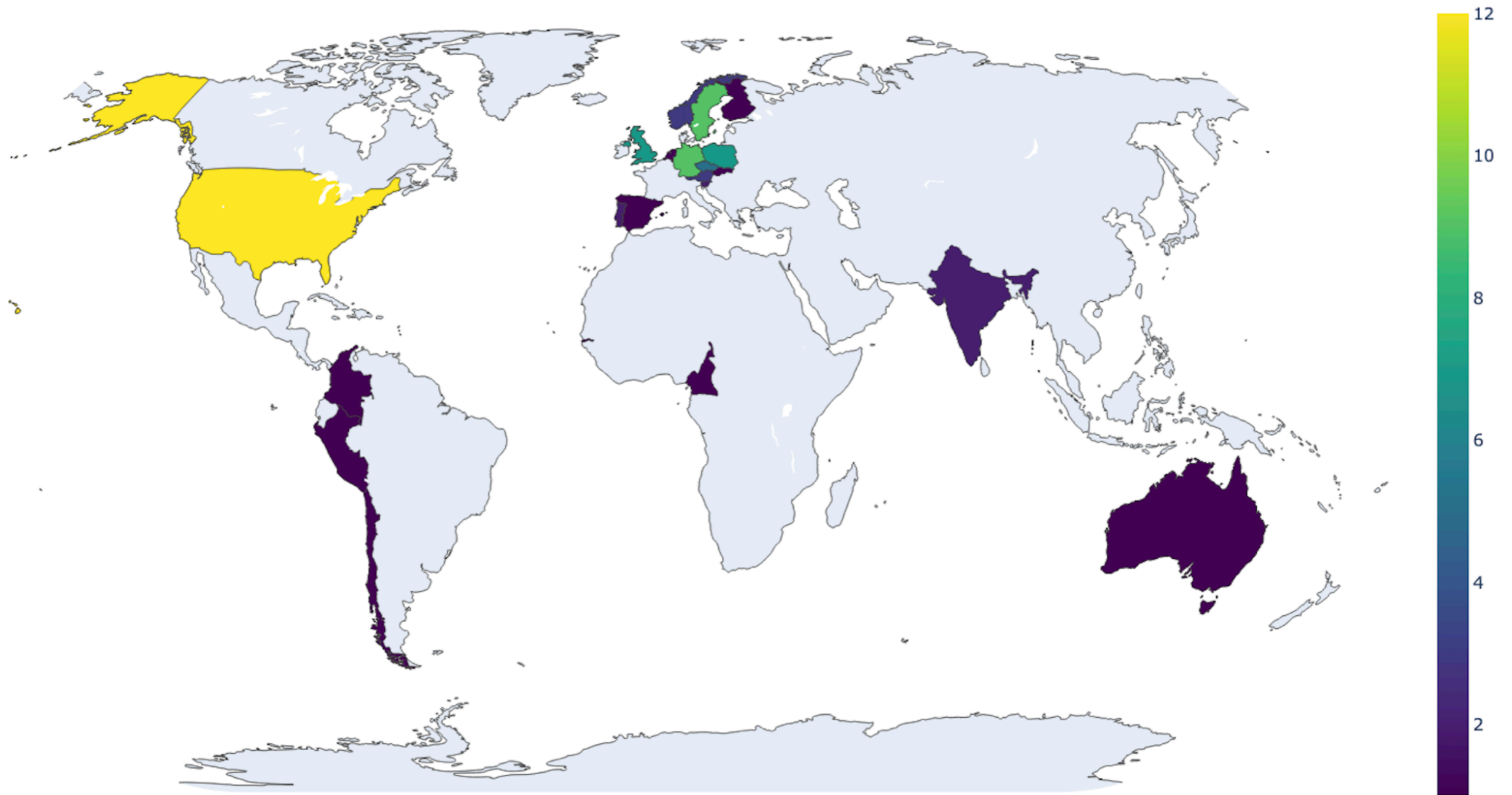


You first!

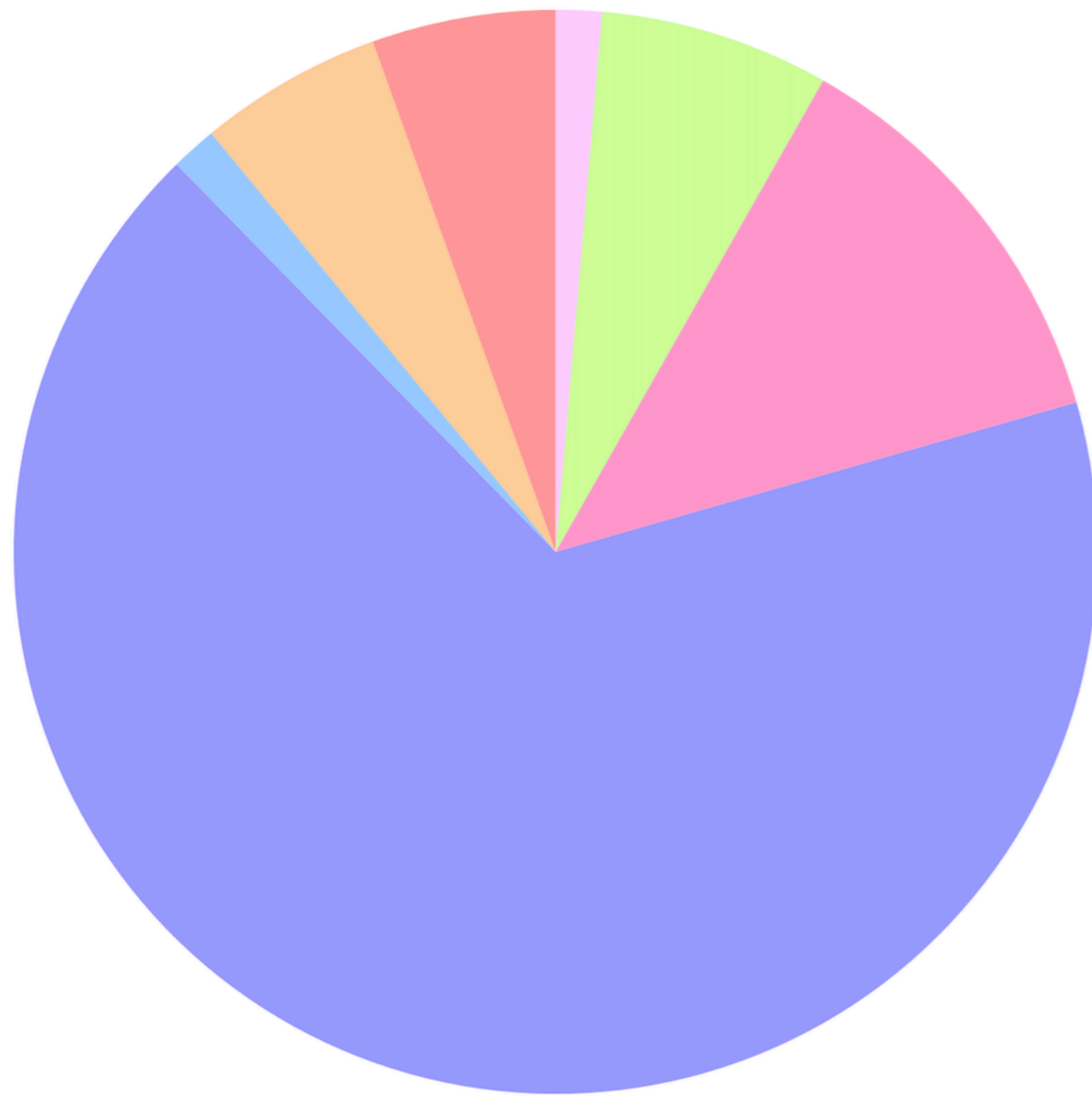
Where you're from (Citizenship)



Where you're from (Institution)

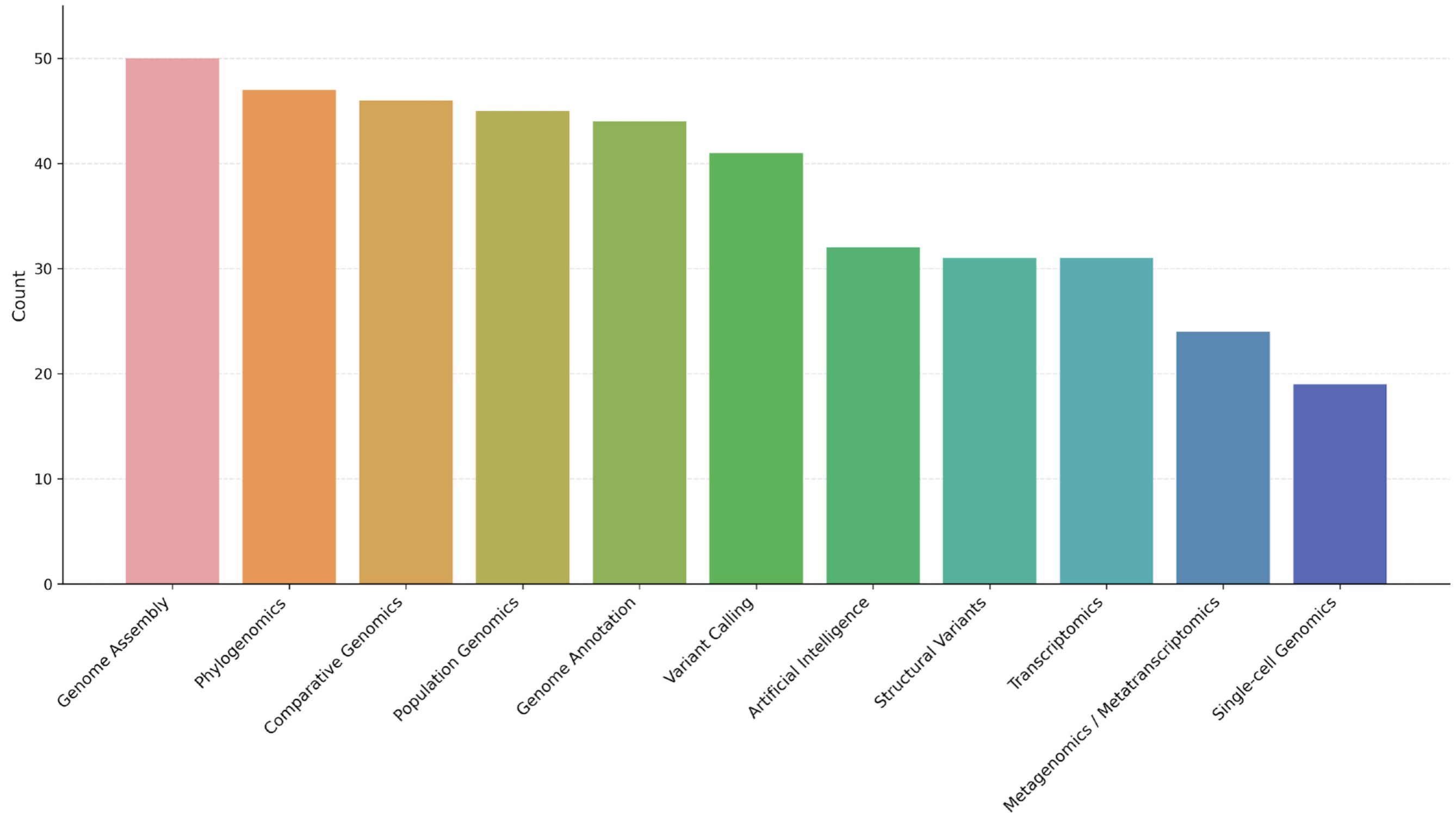


Career stage



- Faculty / PI
- Masters student
- Other
- PhD student
- Postdoctoral researcher
- Staff
- Undergraduate student

Topics of interest



Us



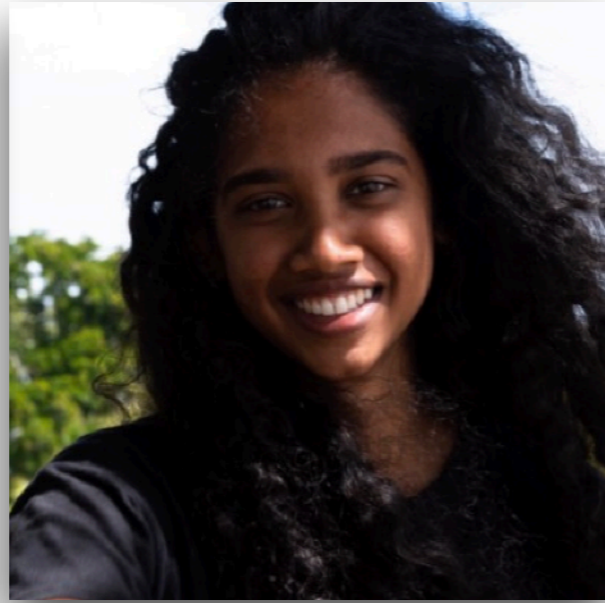
The Core Team



Instructors / Teaching Assistants (TAs): The most important people and your new best friends!



Raja



Rhianah



Nikita



Flávia

Organisation Team

Josie



Director

Mercè



Associate
Director

Miloš



Content Support and
Local Operations

Joan



Faculty Liaison

Guy



Lead Developer

Dag



Content Support
and Faculty Liaison

Daniel



Český Krumlov
Coordinator

Scott



Evomics
Director

Previous Co-Directors



Rayan Chikhi



Karin Rengefors



Konrad Paszkiewicz



Naiara Rodriguez Ezpeleta



Sonya Dyhrman



Sophie Shaw

Scientific Advisory Board



Bill Cresko



Sonya Dyhrman



Rosa Fernández



Sophie Shaw



Alexander Suh



Emiliano Trucchi



Chris Wheat

Faculty: Week 1



Olga Vinnere
Pettersson



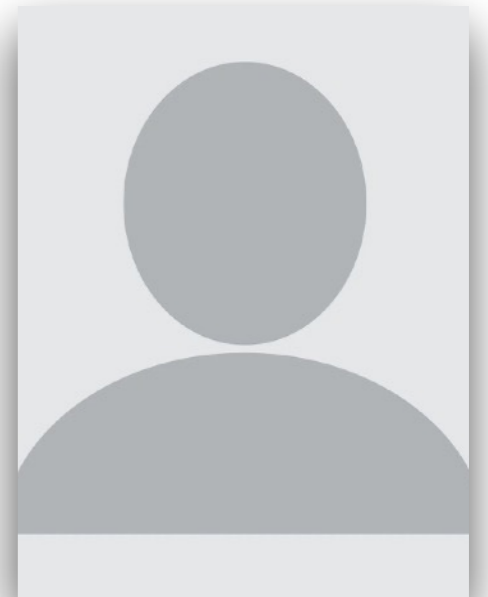
Guy Leonard



Mercè
Montoliu Nerin



Petr Danecek



Benjamin Buchfink



Camille Marchet &
Antoine Limasset



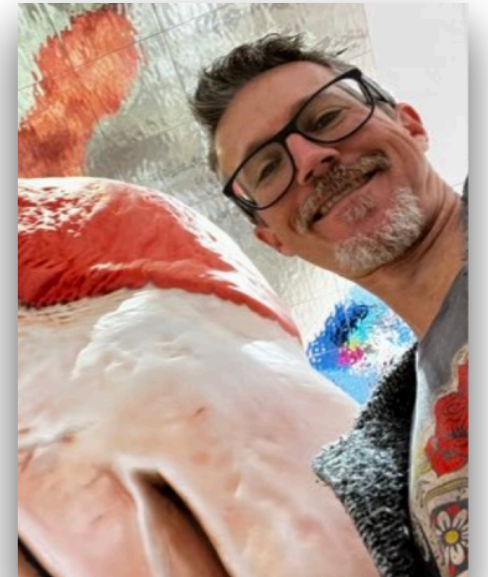
Marcela Uliano-Silva



Camilla Santos



Katharina Hoff



Chris Wheat

Faculty: Week 2

<https://evomics.org/people/faculty/workshop-on-genomics-faculty/>



Evan Eichler



Scott Handley



Guy Leonard



Miloš Duchoslav



Brian Haas



Rachel Steward



Claire Mérot



Madeline Chase



Arnau Sebé-Pedrós



Nathan Clark



Maliheh Mehrshad



Rosa Fernández

Arrival & Departure Dates

FACULTY AND GENOMICS

- Click [here](#) to see our Faculty arrival and departure dates

[illegible]

Faculty Lunches: a fantastic opportunity to chat with your favourite faculty and ask questions!

- Faculty Lunches: [sign-up](#) sheet

Important information: Sign up in a maximum of 2. For any extras, add yourself as Reserve.													
			This one accepts more than 10 people!										
Faculty Member	Olga Vinnere Pettersson	Petr Daněček	Dag Ahrén, Olga Vinnere Pettersson	Benjamin Buchfink	Camille Marchet, Antoine Limasset	Dag Ahrén	Camilla Santos	Marcela Uliano-Silva	Katharina Hoff	Chris Wheat	Rosa Fernandez	Evan Eichler	Brian Haas
Topic	Sequencing Technologies & Experimental design	File types and Variant Calling	Alternative career paths	Alignment	Genome assembly	Best practices in Genomics	Manual Curation	Genome Assembly	Genome annotation	Lies, Damn Lies, and Genomics	Phylogenomics	Genome structural variation	Transcriptomics and Single-cell Transcriptomics
Instructor	Milos	Nikita	Raja	Nikita	Rhianah	Flávia	Josie	Mercè	Raja	Josie	Raja	Joan	Flavia
Date	Tuesday 13th	Wednesday 14th	Wednesday 14th	Thursday 15th	Thursday 15th	Thursday 15th	Friday 16th	Friday 16th	Saturday 17th	Monday 19th	Monday 19th	Tuesday 20th	Tuesday 20th
Location	Don Julius	Liberta	TBD	Don Julius	Liberta	Don Julius	Liberta	Don Julius	Don Julius	Liberta	Don Julius	Barvířna	Don Julius
Lunch/Dinner	Dinner	Lunch	Dinner	Lunch	Lunch	Dinner	Lunch	Dinner	Lunch	Lunch	Dinner	Dinner	Dinner
Participant 1													
Participant 2													
Participant 3													
Participant 4													
Participant 5													
Participant 6													
Participant 7													
Participant 8													
Participant 9													
Participant 10													

Note that some faculty are only around for a short period of time!

Feedback

- we really love feedback 💕
- during the workshop: message [evomics.workshops](https://evomics.org/workshops) on slack or email us ✉️
- early workshop feedback form: tomorrow
- week 1 feedback: before Genomics Adventure on Monday 17th
- week 2 feedback: before Round Table Discussions on last day



A brief history of the workshop



WELCOME
to
WOODS HOLE

*A world center for marine,
biomedical, and environmental
scientific exploration*



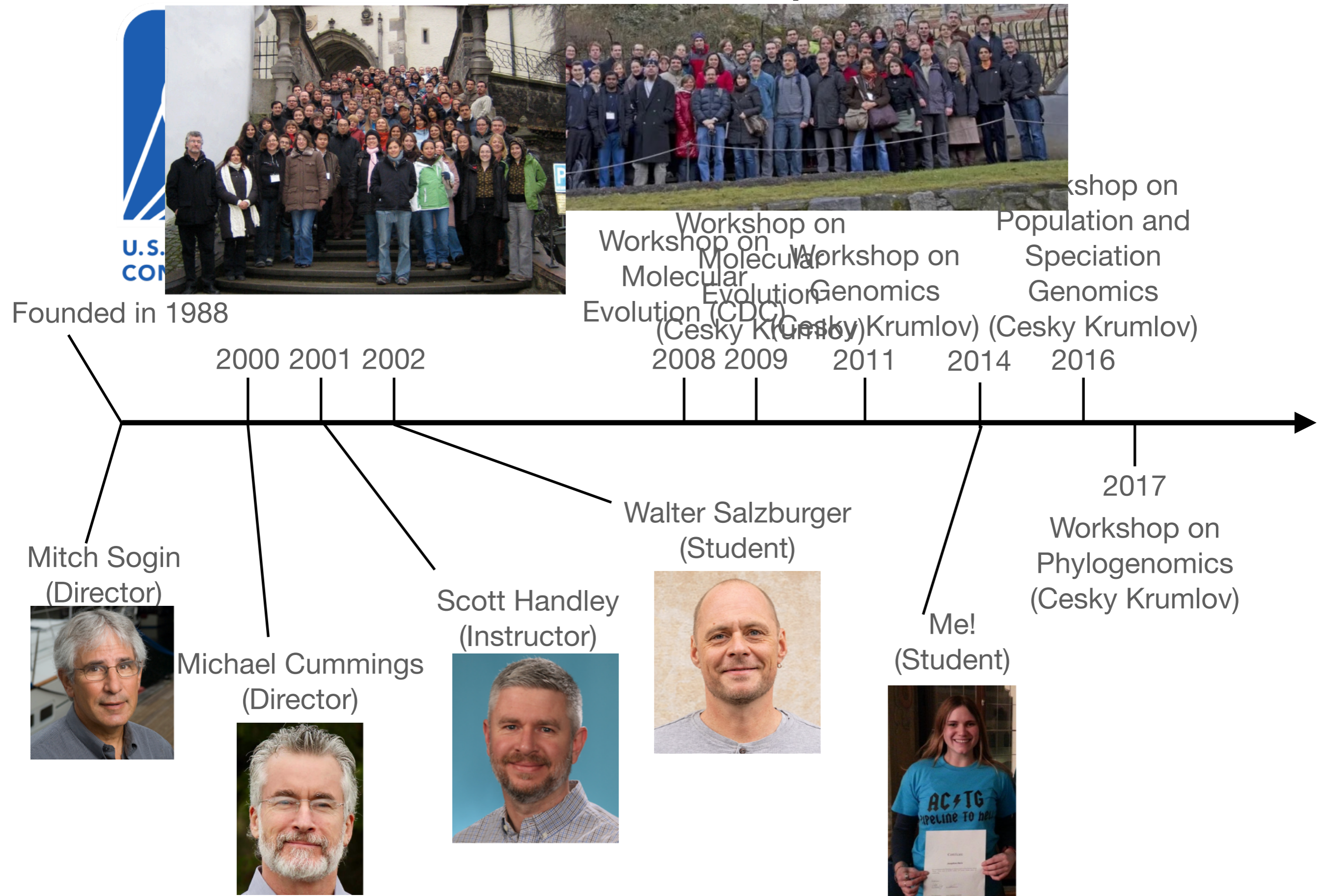
THE UNIVERSITY OF CHICAGO
**MARINE BIOLOGICAL
LABORATORY**

Workshop on Molecular Evolution

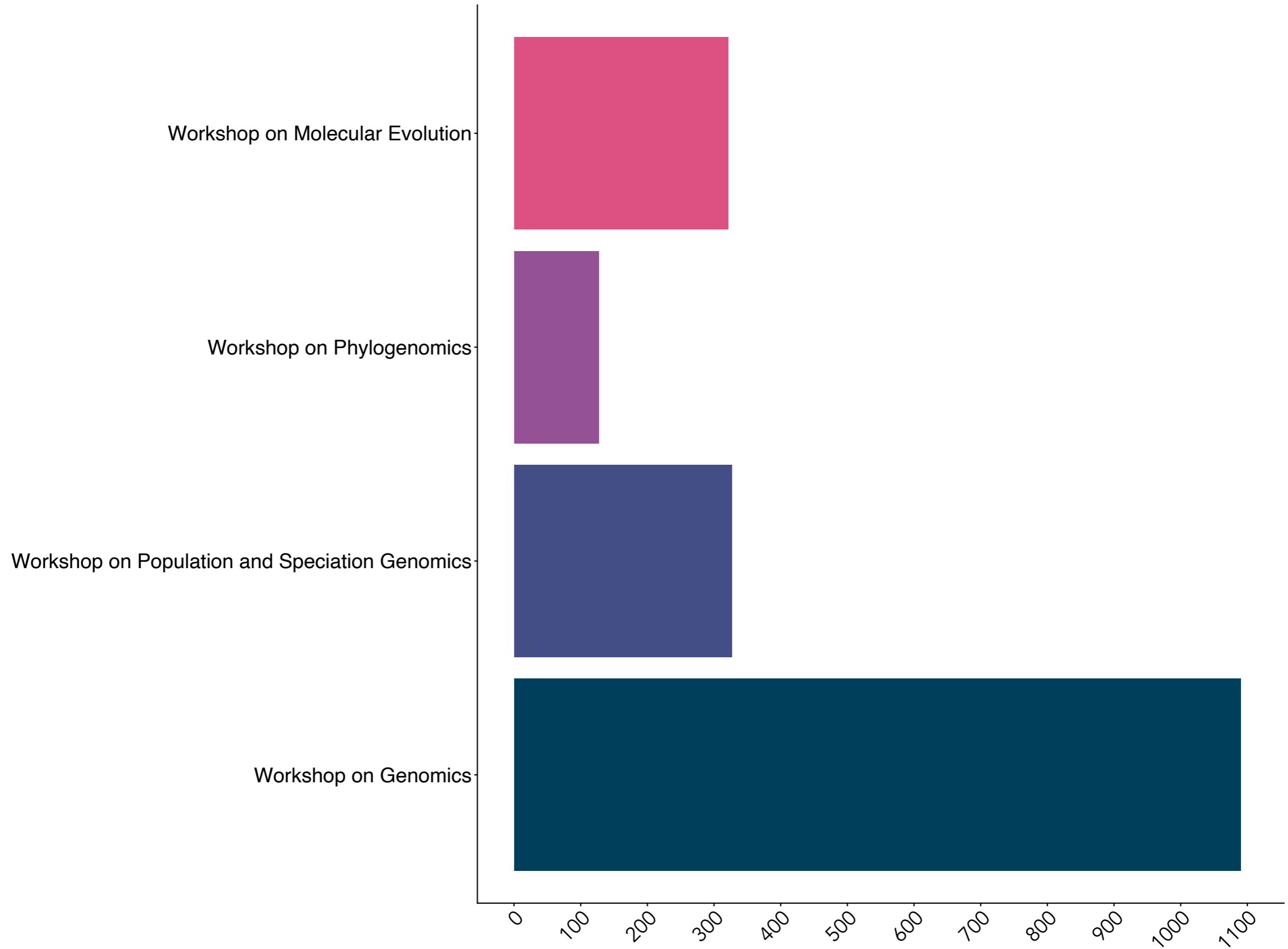
<https://molevolworkshop.github.io/>



A brief history of the workshop



Numbers over the years



What is a Chisky Chroomlove?











Czech Republic

- International Boundary
- Expressway
- Road
- River
- ★ National Capital
- ⊙ Regional Capital
- City or Town

0 25 50 KM
0 25 50 Miles

© 2019 Geology.com

Why Český Krumlov?

- reasonably priced 
- close to major travel hubs 
- lots of places to eat and hang out 
- amazing spaces for teaching 
- three "I"s: Isolated, Idyllic, Infrastructure 
- huge support from the local community 

Schedule

<https://evomics.org/2026-workshop-on-genomics/>

2026 WORKSHOP ON GENOMICS, CESKY KRUMLOV



The 2026 Workshop on Genomics takes place from the **11th-24th of January, 2026** in Český Krumlov, Czechia.

Important information:

Feedback

- For sending feedback during the workshop, direct message evomics.workshops on slack, or email evomics.workshop@gmail.com

Find your way around Český Krumlov

- [Map](#) of the **main locations in the schedule** (Save to your Google Maps!)
- [Map](#) of some of the main Český Krumlov **restaurants** (Save to your Google Maps!)
- [Map](#) of some of the main Český Krumlov **bars** (Save to your Google Maps!)
- [Map](#) of Český Krumlov **service points**: shops, pharmacy, ATM, hospital (Save to your Google Maps!)
- [Map](#) of the historic City Centre of Český Krumlov

Week 1

DATE	DAY	TIME	PRESENTER	TOPIC	LOCATION
11th Jan	Sunday	18 – 22	Everyone	Reception Dinner	Hotel Zlaty Andel
12th Jan	Monday	09 – 12	Josie Paris Daniel Kintzl	Introduction and Orientation Town Services	Town Theatre
	Monday	14 – 16 16 – 17	Olga Vinnere Pettersson Everyone	Lecture: Sequencing Technologies Group Activity	Town Theatre
	Monday	19.30 – 22	Everyone	Social Event: Dreams, Fantasy Dreams, and Genomics	Krumlov Mill (map)
13th Jan	Tuesday	09 – 12	Guy Leonard Mercè Montoliu Nerín	AMIs, the Cloud, and Computing Introduction to UNIX	House of Prelate
	Tuesday	14 – 17	Mercè Montoliu Nerín	Lab: UNIX	House of Prelate
	Tuesday	19 – 22	Petr Daněček	Lab: Essential File File Types in Genomics	House of Prelate
14th Jan	Wednesday	09 – 12	Benjamin Buchfink	Lecture: Alignment	Town Theatre
	Wednesday	14 – 17	Camille Marchet & Antoine Limasset	Lecture: Genome Assembly (Theory)	Town Theatre
	Wednesday	19 – 22	Camille Marchet & Antoine Limasset	Lab: Genome Assembly (Practical)	House of Prelate
15th Jan	Thursday	09 – 12	Marcela Uliano-Silva	Lecture: Wonders of Genome Assembly!	Town Theatre
	Thursday	14 – 17	Camilla Santos	Lecture: Manual Curation of Genome Assemblies	Town Theatre
	Thursday	19 – 22	Petr Daněček	Lab: Variant Calling (SNPs and SVs)	House of Prelate
16th Jan	Friday	09 – 12	Olga Vinnere Pettersson	Lecture: Experimental Design in Genomics	Town Theatre
	Friday	14 – 17	Katharina Hoff	Lecture: Genome Annotation (Theory)	Town Theatre
	Friday	19 – 22	Katharina Hoff	Lab: Genome Annotation (Practical)	House of Prelate
17th Jan	Saturday	09 – 12	Chris Wheat	Lecture: Lies, Damn Lies, and Genomics	Town Theatre
	Saturday	14 – 17	Dag Ahrén	Lab: Best Practices in Genomics and Bioinformatics	House of Prelate
	Saturday	19 – late!	Everyone	Town Tour @ 19.00 Social Event: Mid-Workshop dinner @ 20.00	– Krumlov Mill (map)
18th Jan	Sunday	All Day	Everyone	Free Day	Up to you!

Week 2

DATE	DAY	TIME	WHO	TOPIC	LOCATION
19th Jan	Monday	09 – 12	Evan Eichler	Lecture: Genome Structural Variation	Town Theatre
	Monday	14 – 17	Scott Handley	Lecture: Using LLMs in Bioinformatics	Town Theatre
	Monday	19 – 22	Guy Leonard / Miloš Duchoslav	Lab: Genomics Adventure (learning consolidation) OR An Introduction to R	House of Prelate
20th Jan	Tuesday	09 – 12	Brian Haas	Lecture: Transcriptomics, Single Cell Transcriptomics, Spatial Transcriptomics	Town Theatre
	Tuesday	14 – 17	Claire Mérot	Lab: Structural Variants	House of Prelate
	Tuesday	19 – 22	Madeline Chase	Lab: Population Genomics	House of Prelate
21st Jan	Wednesday	09 – 12	Arnau Sebé Pedrós	Lecture: Single Cell Genomics	Town Theatre
	Wednesday	14 – 17	Nathan Clark	Lab: Comparative Genomics	House of Prelate
	Wednesday	19 – 22	Rachel Steward	Lab: Transcriptomics & Gene Expression Analyses	House of Prelate
22nd Jan	Thursday	09 – 12	Maliheh Mehrshad	Lecture: Metagenomics & Metatranscriptomics	Town Theatre
	Thursday	14 – 17	Rosa Fernández	Lecture: Phylogenomics	Town Theatre
	Thursday	19 – 22	Guy Leonard	Lab: Genomics Adventure (learning consolidation)	House of Prelate
23rd Jan	Friday	09 – 12	Nathan Clark	Lecture: Evolutionary Adaptation & Comparative Genomics	Town Theatre
	Friday	14 – 17	Everyone	Social Event: Round Table Discussions, T-shirts and certificates	House of Prelate
	Friday	19 – 22	Everyone	Social Event: End of Workshop Party	You decide!
24th Jan	Saturday	All Day	Everyone	Departure	

Want more information on a session?

12th Jan	Monday	09 – 12	Josie Paris Daniel Kintzl	Introduction and Orientation Town Services	Town Theatre
	Monday	14 – 16 16 – 17	Olga Vinnere Pettersson Everyone	Lecture: Sequencing Technologies Group Activity	Town Theatre
	Monday	19.30 – 22	Everyone	Social Event: Dreams, Fantasy, Dreams, and Genomics	Krumlov Mill (map)
13th Jan	Tuesday	09 – 12	Guy Leonard Mercè Montoliu Nerín	AMIs, the Cloud, and	House of Prelate
	Tuesday	14 – 17	Mercè Montoliu Nerín	Lab: UNIX	House of Prelate
	Tuesday	19 – 22	Petr Daněček	Lab: Essential File	House of Prelate

I will shortly tell the story of sequencing technologies and explain the main principles. After, we will dive into each technology separately and learn how they work and what they can do.

14th Jan	Wednesday	09 – 12	Benjamin Buchfink	Lecture: Alignment	Town Theatre
	Wednesday	14 – 17	Camille Marchet & Antoine Limasset	Lecture: Gen	House of Prelate
	Wednesday	19 – 22	Camille Marchet & Antoine Limasset	Lab: Genome	House of Prelate
15th Jan	Thursday	09 – 12	Marcela Uliano-Silva	Lecture: Wor	House of Prelate
	Thursday	14 – 17	Camilla Santos	Lecture: Mar	House of Prelate
	Thursday	19 – 22	Petr Daněček	Lab: Variant	House of Prelate
16th Jan	Friday	09 – 12	Olga Vinnere Pettersson	Lecture: Exp	House of Prelate
	Friday	14 – 17	Katharina Hoff	Lecture: Gen	House of Prelate
	Friday	19 – 22	Katharina Hoff	Lab: Genome	House of Prelate

I will cover the fundamentals of sequence alignment: types of alignment (pairwise/multiple/profile), global and local alignments, scoring. Algorithms how to compute alignments: Smith-Waterman, Needleman-Wunsch, the BWT, minimizers, chaining. I will quickly introduce some of the most important tools: BLAST, bowtie2, bwa, minimap2, RNA-tools (kallisto, salmon, STAR, hisat2). I will cover in more detail the challenges of protein alignment and how the DIAMOND aligner (my own tool) works, some of the tricks of professional engineers in Silicon Valley, and also touch on multiple sequence alignment and profile methods.

15th Jan	Thursday	09 – 12	Marcela Uliano-Silva	Lecture: Wonders of Genome Assembly!	Town Theatre
	Thursday	14 – 17	Camilla Santos	Lecture: Manual Curation of Genome Assemblies	Town Theatre
	Thursday	19 – 22	Petr Daněček	Lab: Variant Calling (S	House of Prelate
16th Jan	Friday	09 – 12	Olga Vinnere Pettersson	Lecture: Experimental	House of Prelate
	Friday	14 – 17	Katharina Hoff	Lecture: Genome Ann	House of Prelate
	Friday	19 – 22	Katharina Hoff	Lab: Genome Annotat	House of Prelate
17th Jan	Saturday	09 – 12	Chris Wheat	Lecture: Lies, Damn L	House of Prelate
	Saturday	14 – 17	Dag Ahrén	Lab: Best Practices in	House of Prelate
	Saturday	19 – late!	Everyone	Town Tour @ 19.00 Sc	House of Prelate
18th Jan	Sunday	All Day	Everyone	Free Day	Up to you!

During this session, the attendees will be introduced to the concepts of manual genome curation using PretextView, through theoretical knowledge and live demonstration. Topics such as, the importance of Genome Curation and the main challenges faced and tools used during the process will also be addressed. After the session, the attendees will be able to interpret Hi-C heatmaps in PretextView and identify the necessary edits to fix assembly errors and improve genome quality.

Social Events

- Bar booked every night
- Monday 12th (tonight!)

Dreams, Fantasy Dreams, and Genomics

Location: Krumlov Mill @19.30

- Saturday 17th

Town tour (@18:00 - meet in the Town Square)

After tour, mid-workshop dinner (Krumlov Mill @19.00)

- Sunday 18th

Free day! (more info from Daniel shortly)

- Friday 23rd ...

End of Workshop party - you plan this! (ask us for advice)



Communication during the workshop

- Daily announcements from us
- website: evomics.org/2026-workshop-on-genomics/
- Slack group
- Bluesky: [@evomics.bsky.social](https://bsky.app/profile/evomics.bsky.social) #evomics2026
- LinkedIn: [Evomics workshops](#)



Key locations

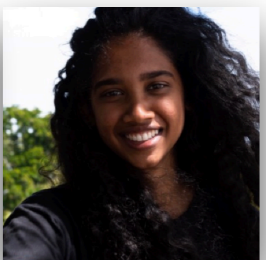
- **Map** of the main locations in the schedule



Expectations

General well-being

- exhaustion
 - keep an eye on your health!
 - sleep / rest / eat well
 - stay hydrated
 - let us know if you're not feeling well (Raja & Rhianah)
 - don't come to lectures / labs if you're sick!
 - wear a mask if you want



Frustrations

- you will not always complete every exercise!
- there may be some bugs hanging around
- connectivity issues
- you won't become an expert in two weeks!



Approach & Attitude

- patience is a virtue! 🌸
- sleep! 😴
- ask questions ?
- everything is available on the website after the course 🖥️
- have fun! 🎉
- make new friends, collaborators, connections 🤝
- help your neighbour! 🙏

Code of conduct

EVOMICS WORKSHOPS CODE OF CONDUCT

All attendees, instructors and faculty at our workshops are required to agree with the Evomics Workshops code of conduct. Organisers will enforce this code throughout the event. We expect cooperation from all participants to help ensure a safe environment for everybody. Those found to be in violation of this code of conduct will be subject to expulsion from all Workshop activities at the request of the workshop organisers.

Our Code of Conduct

Our workshops are dedicated to providing a supportive and harassment-free environment for everyone, regardless of gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion (or lack thereof), or technology choices. We do not tolerate harassment of conference participants, instructors or faculty in any form.

Harassment includes offensive verbal comments, sexual images in public spaces, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, deliberate behaviour to exclude, intimidate, or cause discomfort, and unwelcome sexual attention. This applies to any workshop venue, including talks, workshops, social events, parties, slack, Facebook, Twitter and other online media, and any other non-official events or activities taking place over the duration of the workshop.

If anyone engages in harassing behaviour, the organisers may take any action they deem appropriate, ranging from warning the offender or expulsion from the workshop without a refund. This includes the storage of personal information pertinent to the incident.

If you are being harassed, notice that someone else is being harassed, or have any other related concerns, please contact a member of the organising team immediately.



Mercè



Guy

House of Prelate (computer lab)

Where we will spend a lot of our time!



House of Prelate (computer lab)

- One of the oldest buildings in Krumlov (second half of 14th Century)
 - Has at several times been a brewery (1596 - 1865)
- Fully wired and wireless internet available
- Power for charging laptops



House of Prelate (computer lab)

RULES:

- No food or drink allowed inside
- Wipe feet before entering
- Coats in the cloakroom
- Do not touch the walls! (the painter died in 1791)
- Strict arrival / departure times
- Wash your own mugs (we will have time to personalise them)

Other Stuff

Today we will show you the main workshop locations and take the group photo!



Please wear your name badge

- it's nice to know each other's names!
- partner restaurants will only give you discount if you have your badge!
- we have pens available for decorating them - be creative :)



Post-lab discussions

- we have a specified bar booked for every evening
- great opportunity to meet with faculty in an informal environment
- non-alcoholic drinks are also available
- bars are also indicated in the workshop map



T-shirt competition

- submit a T-shirt design for Workshop on Genomics fame and glory!
- winner will also receive a special gift from the town
- deadline: Friday 16th @14h



BINGO

Workshop on Genomics 2026 BINGO! #evomics2026				
See someone asleep in lecture	Contribute to the t-shirt competition	Join a faculty lunch/dinner	Personalize your name badge	Take a selfie with a TA
Find your icon buddies in the networking event	Command failed because of wrong directory	Dance in music bar	Learn 5 Czech words	Try trdlenik
Eat a czech dish	Do some physical exercise	Attend the welcome reception	Share a drink with someone from the organisation team/TA	Help your neighbour with an exercise
Post with the #evomics2026	See the bears	Take a selfie on the castle walls	Personalize your mug	Take a stretch break during a lab
Join the workshop dinner 17th Jan	Find a vegan meal	Join the town tour	Ask a question in a lecture	Request a song on the jukebox

Dreams, Fantasy Dreams, and Genomics

Tonight: 19.30 - 22.00 at the Krumlov Mill

- helps us get to know each other!
- find friends / collaborators
- identify shared interests
- some fun activities planned :)





EUROPEAN REFERENCE GENOME ATLAS

Welcome! We are so excited to have you here!



Now ...

Daniel Kintzl with more information from the town

