



# Workshop on Genomics 2025

Český Krumlov

# 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/2025-workshop-on-genomics/>

## 2025 WORKSHOP ON GENOMICS, CESKY KRUMLOV



The 2025 Workshop on Genomics is being held **5-18th of January, 2025** in [Český Krumlov](#), Czechia. This is the 14th time the Workshop on Genomics will be held in Czechia.

# Frequently Asked Questions

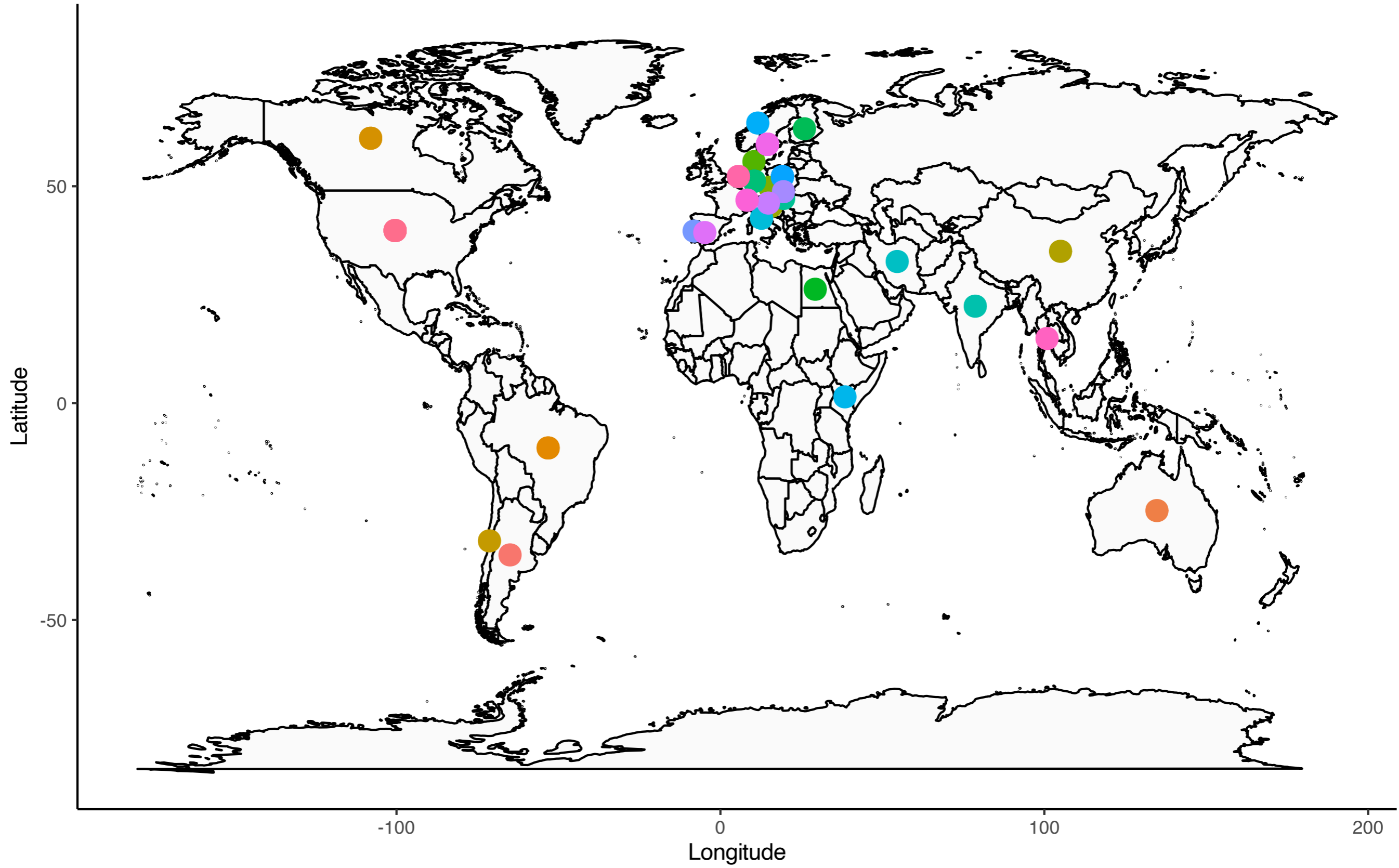
- where are the toilets?
- coffee / tea?
  - in lectures: around half-way (functional caffeine only!)
  - in labs: always available in backroom, faculty will commonly incorporate breaks
- when do we eat?
  - 12h - 14h (lunch)
  - 17h - 19h (dinner)
- where do we eat?
  - map on website and more info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

# Who?

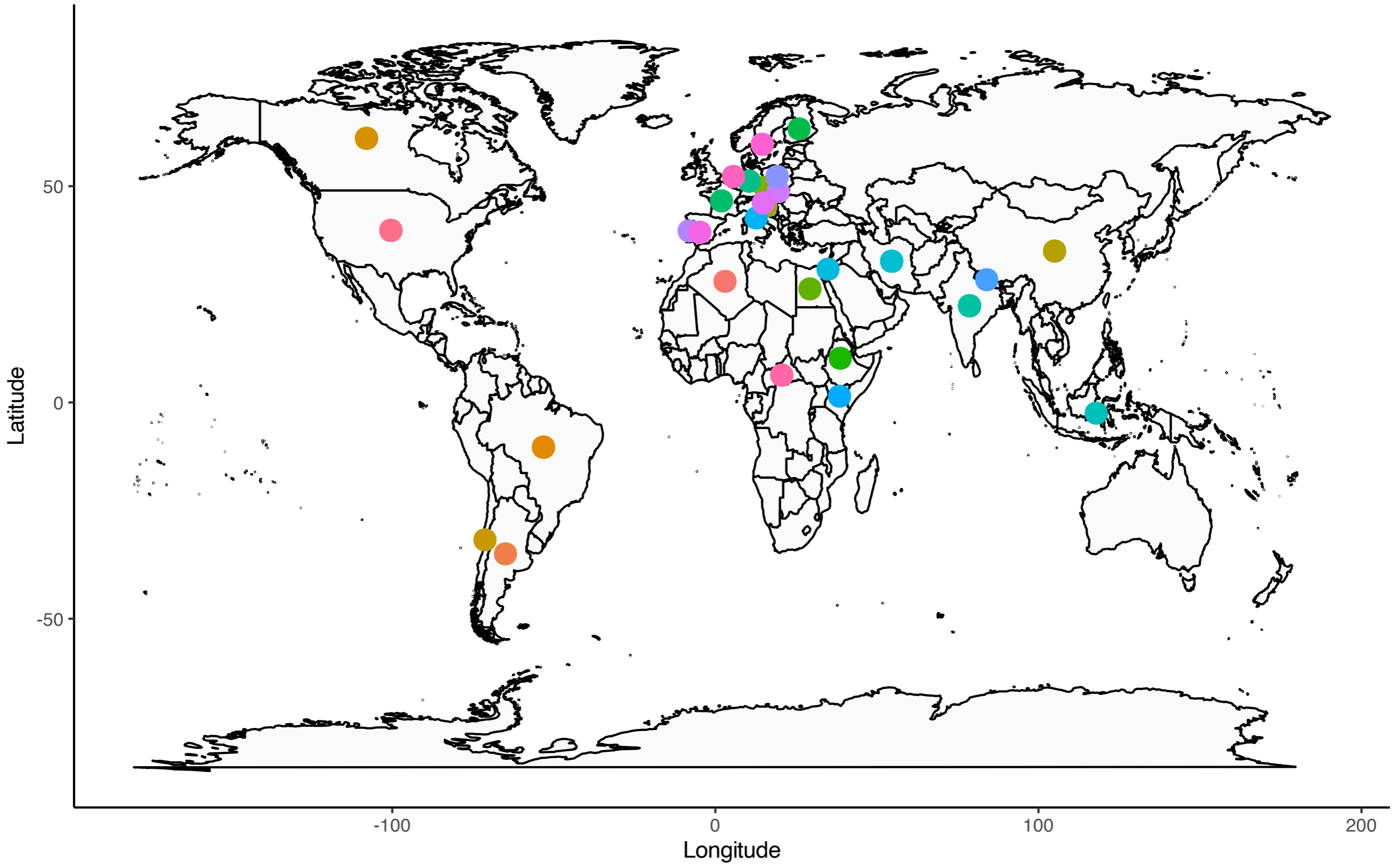


**You first!**

# Where you're from (Institution)

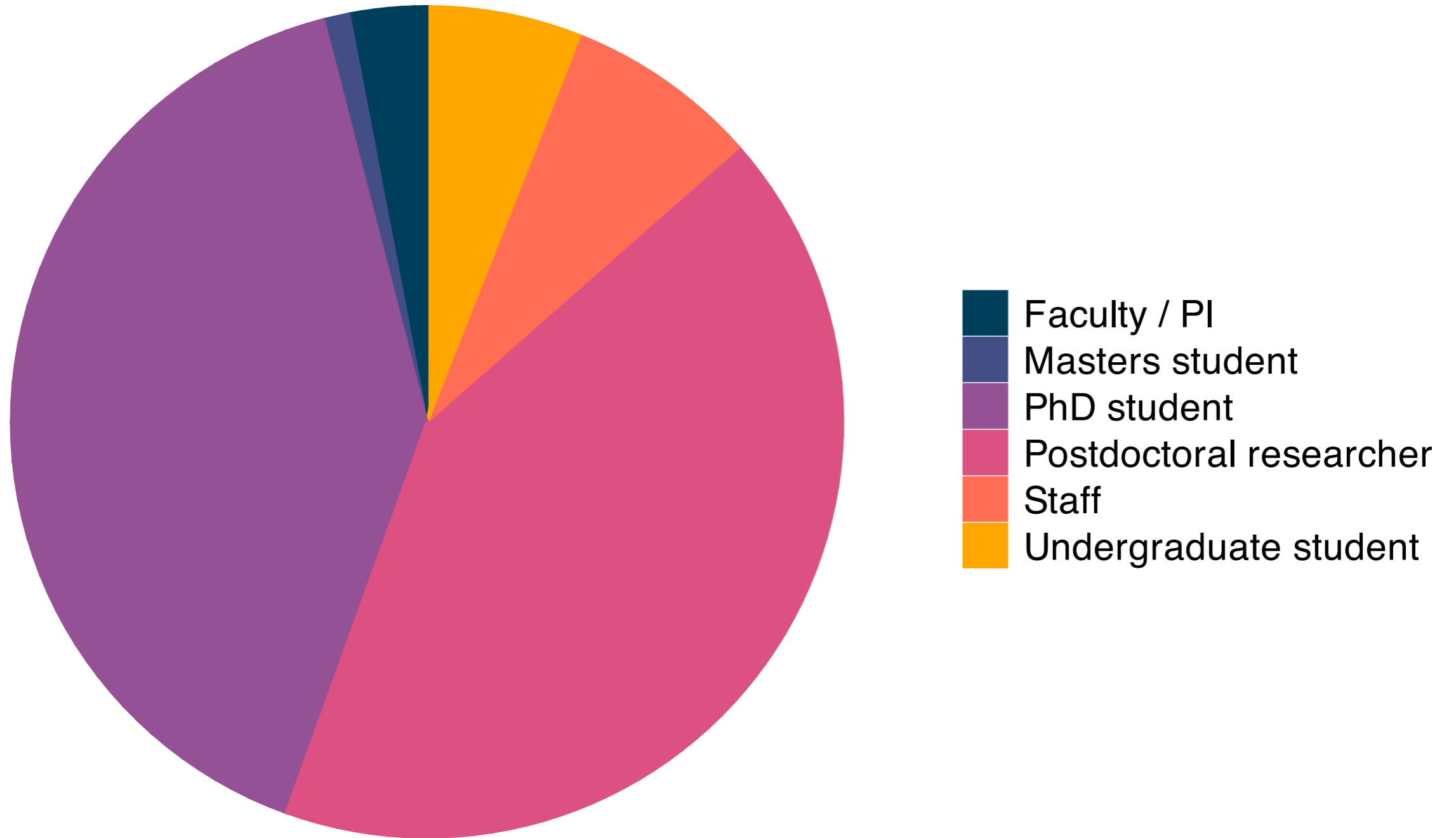


# Where you're from (Country)

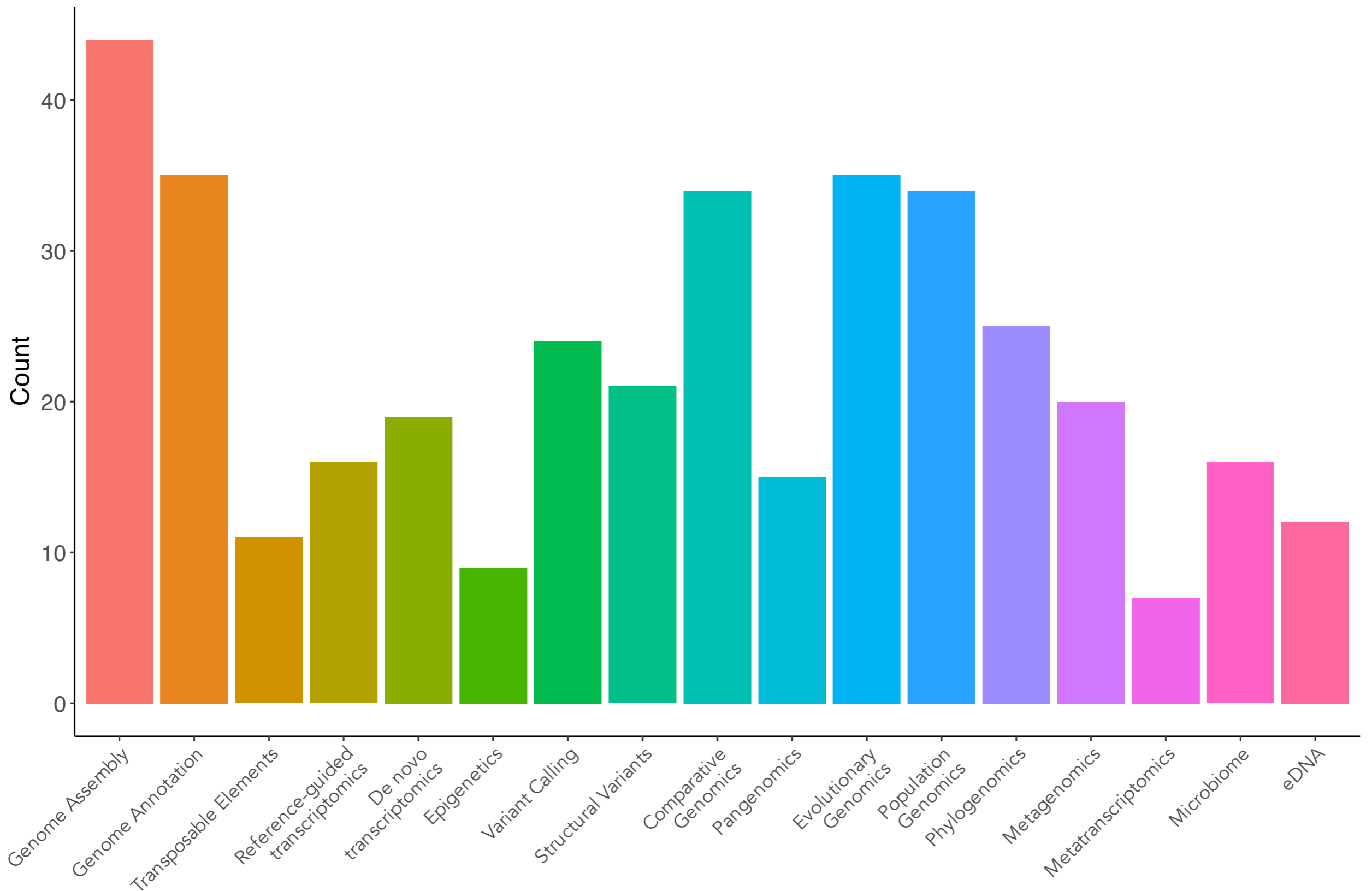




# Career stage



# Topics of interest



Us



# Instructors / Teaching Assistants (TAs):

The most important people and your new best friends!



Flavia



José (or Zé)



Kartik



Luis



Madee



Marcela



# Organisation Team

Josie



Director

Miloš



Content Support and  
Local Operations

Rayan



Course Engineer

Joan



Faculty Liaison

Guy



Lead Developer

Mercè



Equality, Diversity,  
and Outreach

Daniel



Český Krumlov  
Coordinator

Scott



Evomics  
Director

# Previous Co-Directors



Dag Ahren



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

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



Mike Zody



Guy Leonard



Mercè Montoliu Nerin



Rayan Chikhi



Katharina Hoff



Camille Marchet



Antoine Limasset



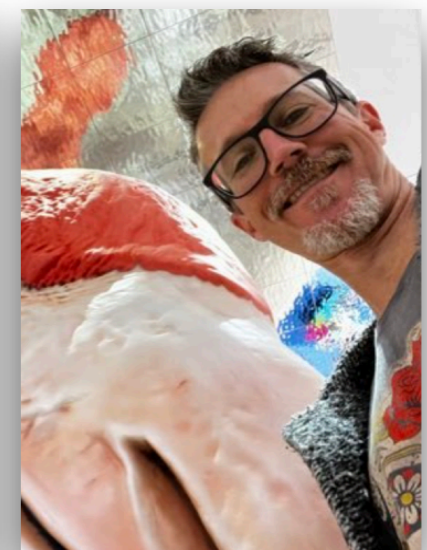
Fritz Sedlazeck



Erik Garrison



Olga Vinnere  
Pettersson



Chris Wheat



# Faculty: Week 2

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



Evan Eichler



Erik Garrison



Vincenza Colonna



Brian Haas



Rachel Steward



Guy Leonard



Sonya Dyhrman



Francesco Cicconardi



David Barnett



Marcela Uliano-Silva



Valentina Peona



Dag Ahrén



Rayan Chikhi



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

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

Faculty Member	Mike Zody	Rayan Chikhi	Katharina Hoff	Camille Marchet, Antoine Limasset	Fritz Sedlazeck	Olga Vinnere Pettersson	Chris Wheat	Evan Eichler	Vincenza Colonna	Erik Garrison	Brian Haas	Rachel Steward	Sonya Dyhrman	Francesco Cicconardi	David Barnett	Marcela Uliano-Silva	Valentina Peona	Dag Ahrén
Topic	Sequencing Technologies & File types	Alignment	Genome annotation	Genome assembly	Structural variants	Experimental Design	Lies, Damn Lies, and Genomics	Genome structural variation	Population genomics	Variant calling & Pangenomics	Transcriptomics and Single-cell Transcriptomics	Analysis of RNASeq Data	Genomics in the Ocean	Comparative Genomics	Microbiome analysis	Genome assembly	Transposable Elements	Best Practices in Handling Genomic Data
Instructor	Flávia, Madee	Josie, Kartik	Miloš, Luis	José, Luis	Madee, Kartik	Mercè, Kartik	José, Marcela	Joan, Luis	Marcela, Flávia	Kartik, Joan	José, Marcela	Kartik, Marcela	Madee	Flávia	Luis	Marcela, Flávia	Madee	
Date	7th	8th	9th	9th	9th	10th	11th	13th	13th	13th	14th	15th	15th	15th	16th	16th	16th	17th
Location	<a href="#">Don Julius</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Don Julius</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Don Julius</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Liberta</a>	<a href="#">Don Julius</a>	<a href="#">Liberta</a>	<a href="#">Don Julius</a>	<a href="#">Liberta</a>	<a href="#">Don Julius</a>
Lunch/Dinner	Dinner	Lunch	Lunch	Dinner	Dinner	Dinner	Lunch	Lunch	Lunch	Dinner	Dinner	Lunch	Dinner	Dinner	Lunch	Lunch	Dinner	Lunch
Participant 1																		
Participant 2																		
Participant 3																		
Participant 4																		
Participant 5																		
Participant 6																		
Participant 7																		
Participant 8																		
Participant 9																		
Participant 10																		
Reserve																		

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

If your Faculty Lunch is at Liberta, you will need to bring cash!

# 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
- week 2 feedback: before Round Table Discussions



# 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



Workshop on Population and Speciation Genomics (Cesky Krumlov)

Workshop on Molecular Evolution (CDC) (Cesky Krumlov)

Founded in 1988

2000 2001 2002

2008 2009 2011 2014 2016

2017

Mitch Sogin (Director)



Michael Cummings (Director)



Scott Handley (Instructor)



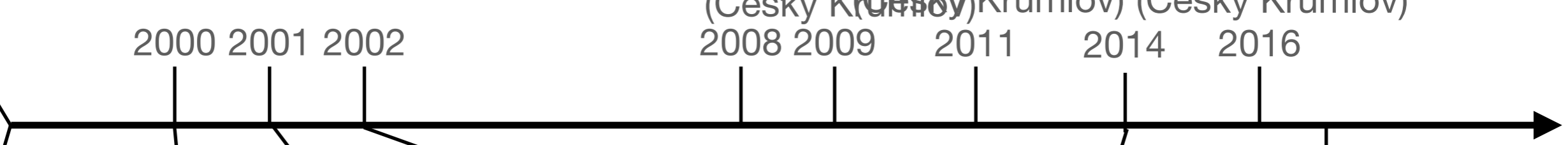
Walter Salzburger (Student)



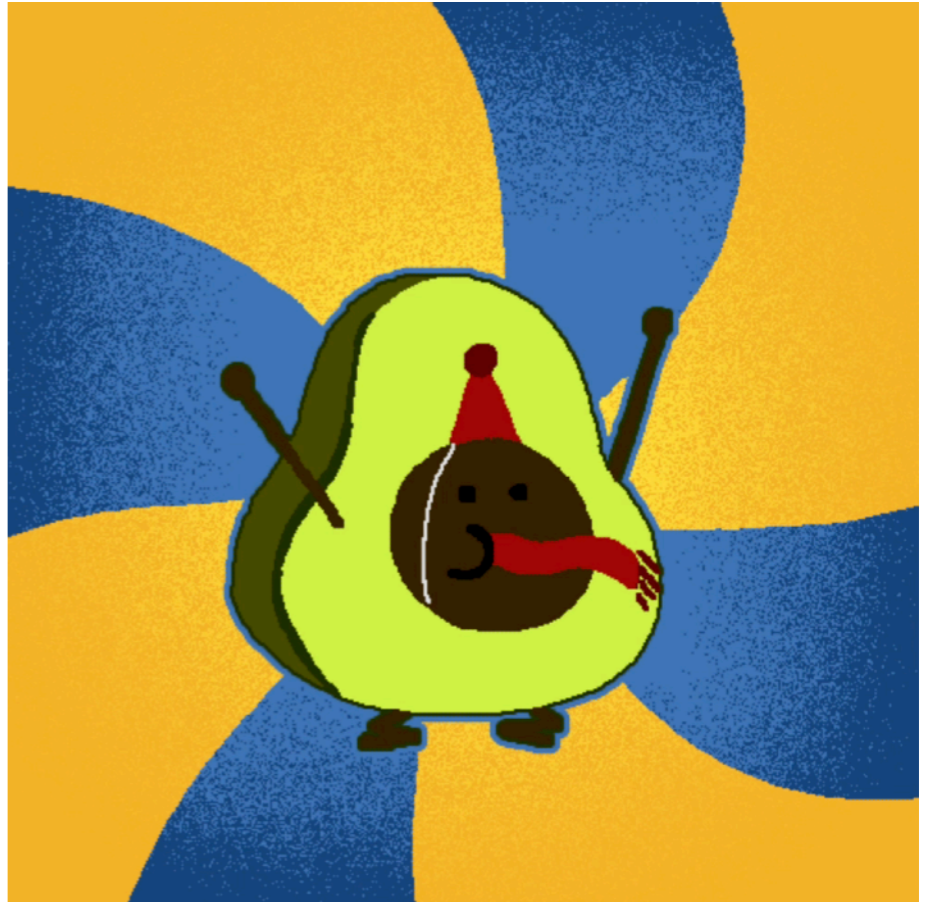
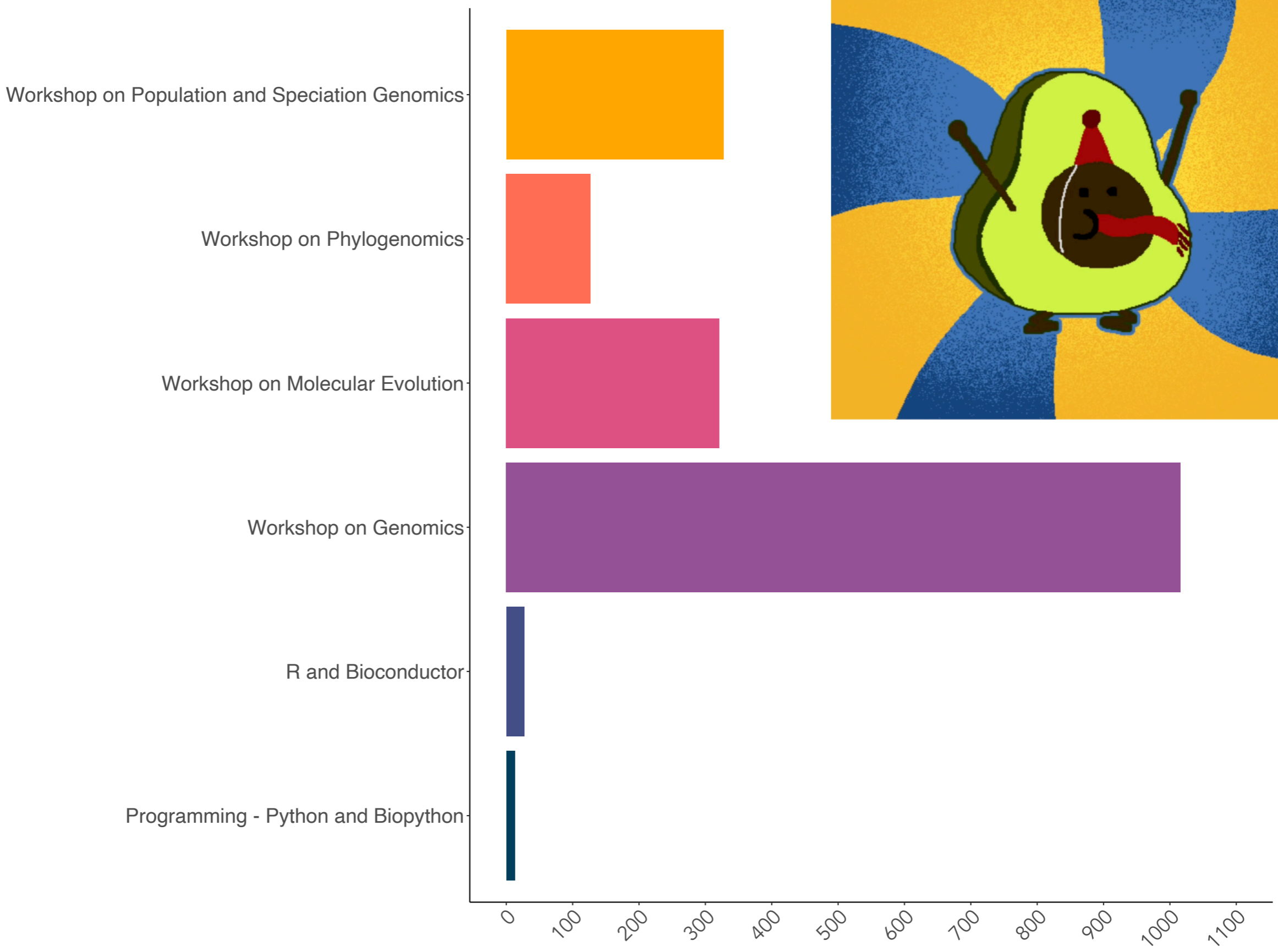
Me! (Student)



Workshop on Phylogenomics (Cesky Krumlov)



# 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

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GERMANY

POLAND

CZECH REPUBLIC

SLOVAKIA

AUSTRIA

Ceske Budejovice

Prague

Usti nad Labem

Liberec

Hradec Kralove

Pardubice

Olomouc

Ostrava

Jihlava

Brno







Linz

Vienna

Bratislava



# 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 

# Detailed Schedule

<https://evomics.org/2025-workshop-on-genomics/>

2025 WORKSHOP ON GENOMICS, CESKY KRUMLOV



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# Week 1

DATE	DAY	TIME	PRESENTER	TOPIC	LOCATION
5th Jan	Sunday	18 - 22	Everyone	Reception Dinner	<a href="#">Hotel Zlaty Andel</a>
6th Jan	Monday	09 - 12	<a href="#">Josie Paris</a>	Introduction and Orientation	<a href="#">Town Theatre</a>
			Daniel Kintzl	Town Services	
	Monday	14 - 17	<a href="#">Mike Zody</a>	Sequencing Technologies	<a href="#">Town Theatre</a>
	Monday	19.30 - 22	Everyone	Dreams, Fantasy Dreams, and Genomics	<a href="#">Krumlov Mill (map)</a>
7th Jan	Tuesday	09 - 12	<a href="#">Guy Leonard</a>	AMIs, the Cloud, and Computing	<a href="#">House of Prelate</a>
			<a href="#">Mercè Montoliu Nerín</a>	Introduction to UNIX	
	Tuesday	14 - 17	<a href="#">Mike Zody</a>	Essential File Types in Bioinformatics	<a href="#">House of Prelate</a>
	Tuesday	19 - 22	<a href="#">Mercè Montoliu Nerín</a>	Introduction to UNIX	<a href="#">House of Prelate</a>
8th Jan	Wednesday	09 - 12	<a href="#">Rayan Chikhi</a>	Alignment	<a href="#">Town Theatre</a>
	Wednesday	14 - 17	<a href="#">Katharina Hoff</a>	Genome Annotation: Theory and Principles	<a href="#">Town Theatre</a>
	Wednesday	19 - 22	<a href="#">Katharina Hoff</a>	Genome Annotation practical	<a href="#">House of Prelate</a>
9th Jan	Thursday	09 - 12	<a href="#">Camille Marchet</a> & <a href="#">Antoine Limasset</a>	Genome Assembly: Theory and Principles	<a href="#">Town Theatre</a>
	Thursday	14 - 17	<a href="#">Camille Marchet</a> & <a href="#">Antoine Limasset</a>	Genome Assembly practical	<a href="#">House of Prelate</a>
	Thursday	19 - 22	<a href="#">Fritz Sedlazeck</a>	Structural Variant Calling	<a href="#">House of Prelate</a>
10th Jan	Friday	09 - 12	<a href="#">Olga Vinnere Pettersson</a>	Experimental Design in Genomics	<a href="#">Town Theatre</a>
	Friday	14 - 17	<a href="#">Erik Garrison</a>	Variant Calling	<a href="#">House of Prelate</a>
	Friday	19 - 22	Workshop Team	Introduction to R	<a href="#">House of Prelate</a>
11th Jan	Saturday	09 - 12	<a href="#">Chris Wheat</a>	Lies, Damn Lies, and Genomics	<a href="#">Town Theatre</a>
	Saturday	14 - 17	<a href="#">Guy Leonard</a>	Genomics Adventure	<a href="#">House of Prelate</a>
	Saturday	19 - late!	Everyone	Town Tour @ 19.00 Mid-Workshop dinner @ 20.00	<a href="#">Town Square</a> <a href="#">Krumlov Mill (map)</a>
12th Jan	Sunday	All Day	Everyone	Free Day	Up to you!

# Week 2

DATE	DAY	TIME	WHO	TOPIC	LOCATION
13th Jan	Monday	09 – 12	<a href="#">Evan Eichler</a>	Genome Structural Variation	<a href="#">Town Theatre</a>
	Monday	14 – 17	<a href="#">Erik Garrison</a>	Pangenomics	<a href="#">House of Prelate</a>
	Monday	19 – 22	<a href="#">Vincenza Colonna</a>	Population Genomics	<a href="#">House of Prelate</a>
14th Jan	Tuesday	09 – 12	<a href="#">Brian Haas</a>	Transcriptomics	<a href="#">Town Theatre</a>
	Tuesday	14 – 17	<a href="#">Rachel Steward</a>	RNAseq and Gene Expression	<a href="#">House of Prelate</a>
	Tuesday	19 – 22	<a href="#">Guy Leonard</a>	Genomics Adventure	<a href="#">House of Prelate</a>
15th Jan	Wednesday	09 – 12	<a href="#">Sonya Dyhrman</a>	Genomics in the Ocean	<a href="#">Town Theatre</a>
	Wednesday	14 – 17	<a href="#">Francesco Cicconardi</a>	Comparative Genomics	<a href="#">House of Prelate</a>
	Wednesday	19 – 22	<a href="#">David Barnett</a>	Microbiome / eDNA Analysis	<a href="#">House of Prelate</a>
16th Jan	Thursday	09 – 12	<a href="#">Marcela Uliano-Silva</a>	Wonders of Genome Assembly!	<a href="#">Town Theatre</a>
	Thursday	14 – 17	<a href="#">Valentina Peona</a>	Transposable Elements	<a href="#">House of Prelate</a>
	Thursday	19 – 22	<a href="#">Dag Ahrén</a>	Best Practices in Handling Genomic Data	<a href="#">House of Prelate</a>
17th Jan	Friday	09 – 12	<a href="#">Rayan Chikhi</a>	BIG DATA	<a href="#">Town Theatre</a>
	Friday	14 – 17	Everyone	Round Table Discussions, T-shirts, and certificates	<a href="#">House of Prelate</a>
	Friday	19:30 – 22	Everyone	End of Workshop Party	You decide!
18th Jan	Saturday	All Day	Everyone	Departure	

# Social Events

- Monday 5th (tonight!)

Dreams, Fantasy Dreams, and Genomics

Location: Krumlov Mill @19.30



- Saturday 11th

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

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

- Sunday 12th

Free day! (more info from Daniel shortly)

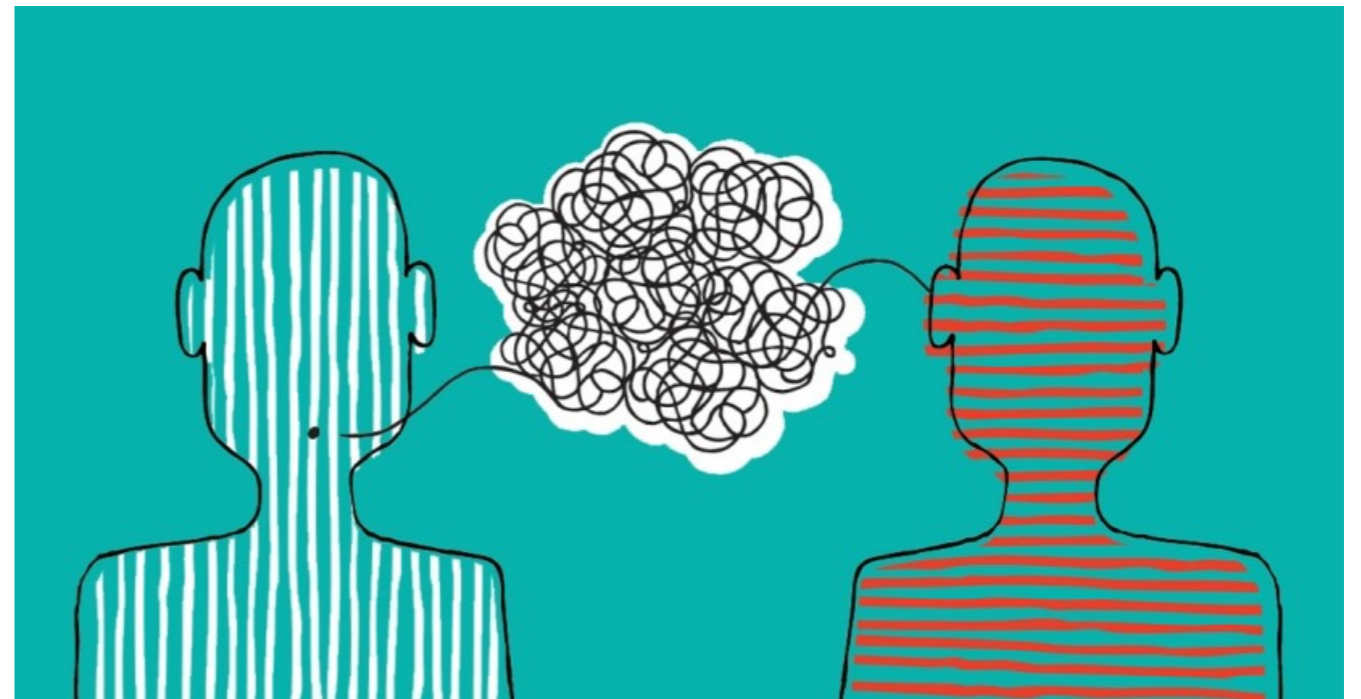
- Friday 17th ...

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



# Communication during the workshop

- Daily announcements from us
- website: [evomics.org/2025-workshop-on-genomics/](https://evomics.org/2025-workshop-on-genomics/)
- Slack group
- Bluesky: [@evomics.bsky.social](https://bsky.app/profile/evomics.bsky.social) #evomics2025
- X: [@evomics](https://twitter.com/evomics) #evomics2025
- LinkedIn: [Evomics workshops](https://www.linkedin.com/company/evomics-workshops)








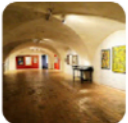

# Key locations

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

Search Google Maps

Workshop on Genomics 2024  
By Merce Montoliu · 10 places

+ Save   Share

-  **Don Julius Restaurant**  
4.0 ★ (376) Restaurant
-  **Info Czech Krumlov**  
4.5 ★ (356) Tourist information center
-  **Krumlovský mlýn**  
4.0 ★ (1,506) Hotel
-  **Egon Schiele Art Centrum**  
4.4 ★ (640) Art center
-  **Prelatura**  
4.7 ★ (16) Museum



**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 (José & Marcela)
  - 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



Joan

# 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 coatroom
- 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 10th @14h



# BINGO #evomics2025

Workshop on Genomics 2025 BINGO! #evomics2025				
See someone asleep in lecture	Contribute to the t-shirt competition	Join a faculty lunch	Personalize your name badge	Tell Kartik your favorite football player
Internet down during an exercise	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 a TA	Help your neighbour with an exercise
Post with the #evomics2025	See the bears	Take a selfie on the castle walls	Ask Flavia a penguin fact	Take a picture with Rouge
Join the workshop dinner 11th Jan	Find a vegan meal	Ask Madee to see a picture of her cats	Ask a question in a lecture	Request a song on the jukebox

# Genomics Glossary

- [Genomics Glossary](#) - terms commonly used when we talk about genomics science
  - we have put together a list of the most common genomics terms
  - add to this Google sheet any terms you hear and are unsure of what they mean
  - you can either google the definition and add it yourself or a member of the team will add it for you



# 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 :)



Welcome! We are so excited to have you here!



# Now ...

Daniel Kintzl with more information from the town

