



Workshop on Genomics 2024

Český Krumlov

Objectives

- Frequently Asked Questions (FAQs)
- introductions
- workshop background and history
- logistics
- expectations
- other items

Frequently Asked Questions

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

evomics.org/2024-workshop-on-genomics

EVOLUTION AND GENOMICS

Intensive and immersive training opportunities

WORKSHOPS

LEARNING

PEOPLE

APPLY

INFORMATION

2024 WORKSHOP ON GENOMICS, CESKY KRUMLOV



Frequently Asked Questions

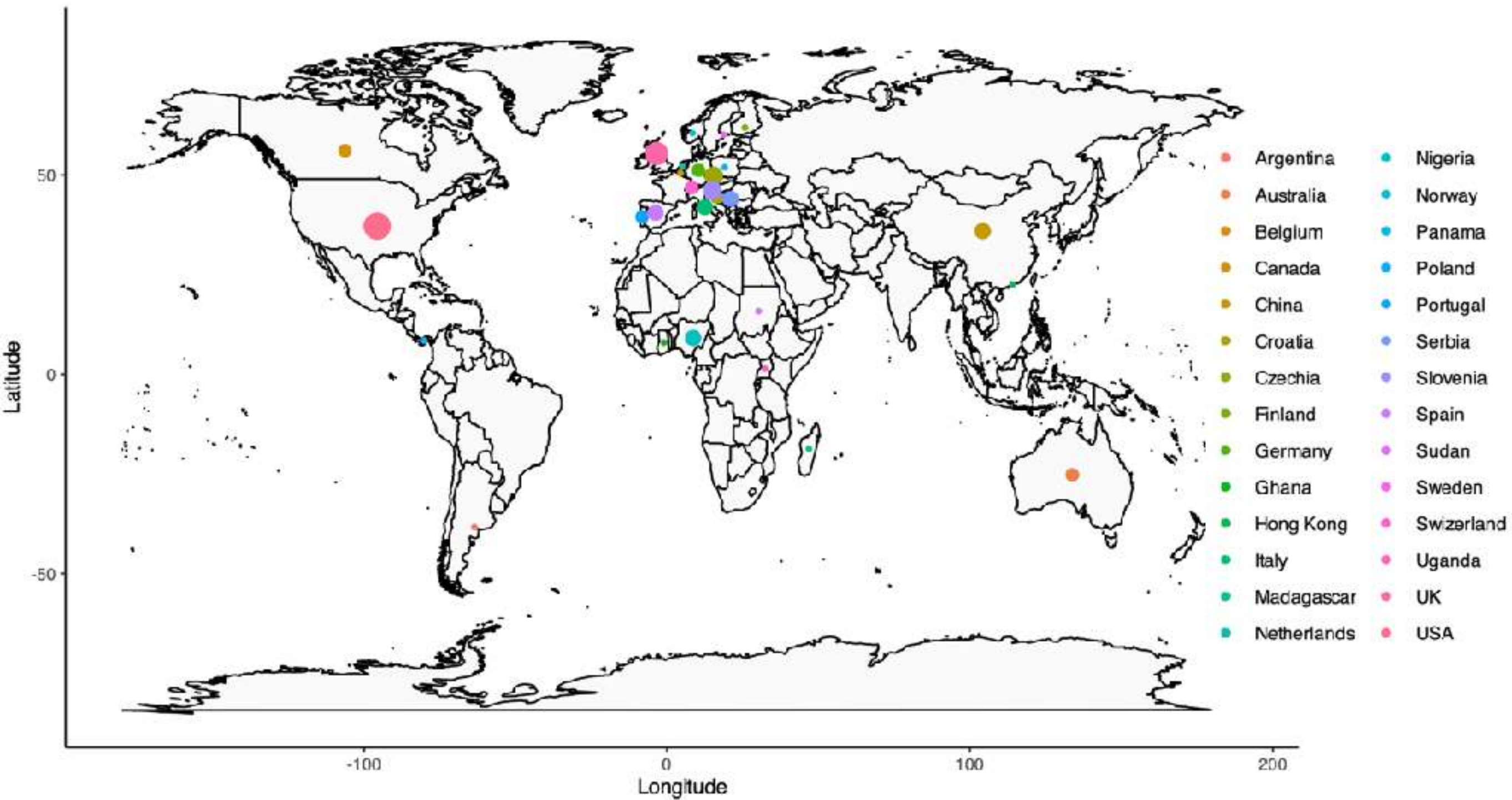
- where are the toilets?
- coffee / tea?
 - in lectures: around half-way (functional caffeine only!)
 - in labs: always available in backroom, faculty will commonly incorporate breaks
- when do we eat?
 - 12 - 14 (lunch)
 - 17 - 19 (dinner)
- where do we eat?
 - map on website
 - info from Daniel Kintzl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

Who?

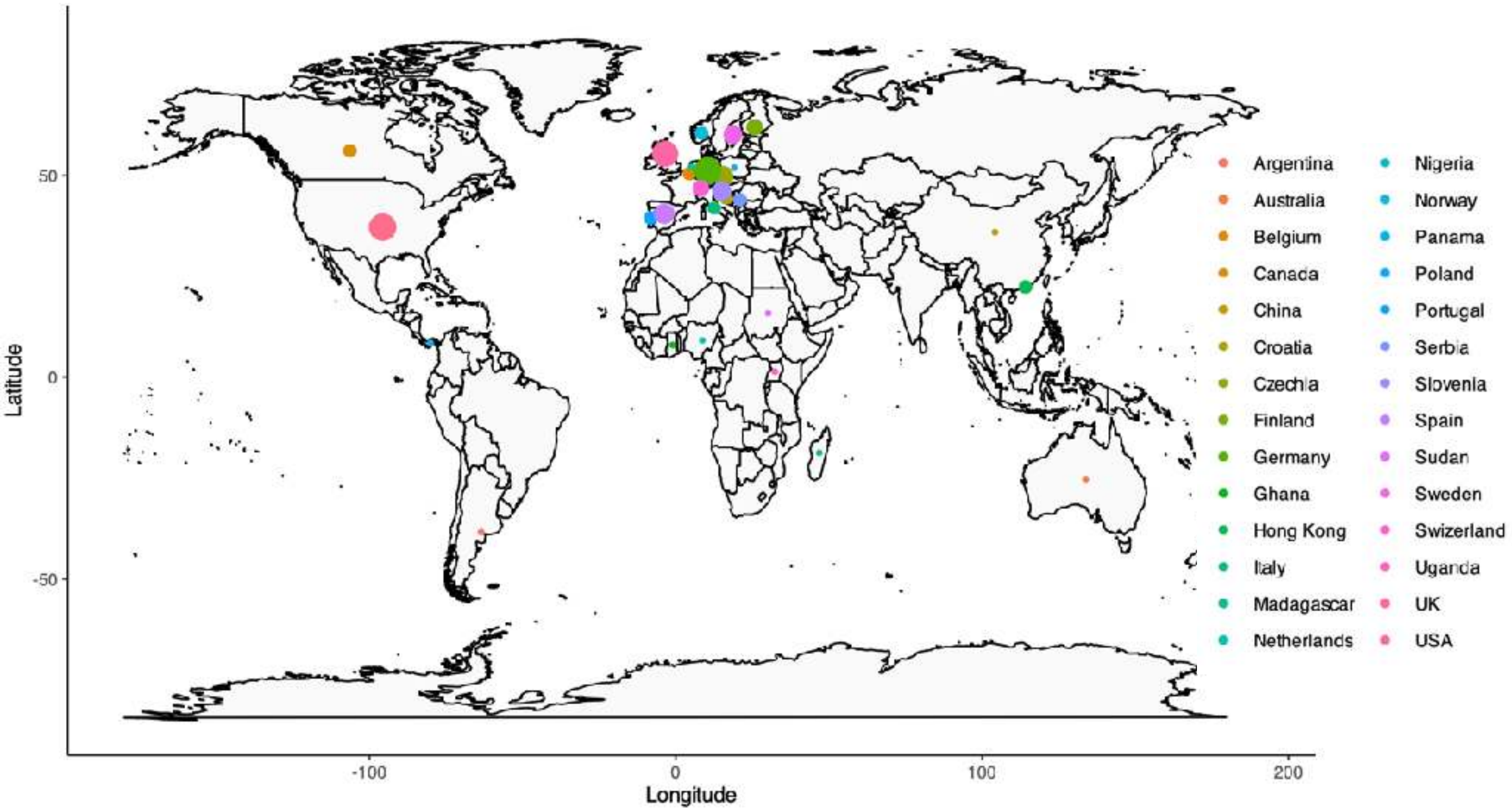


You first!

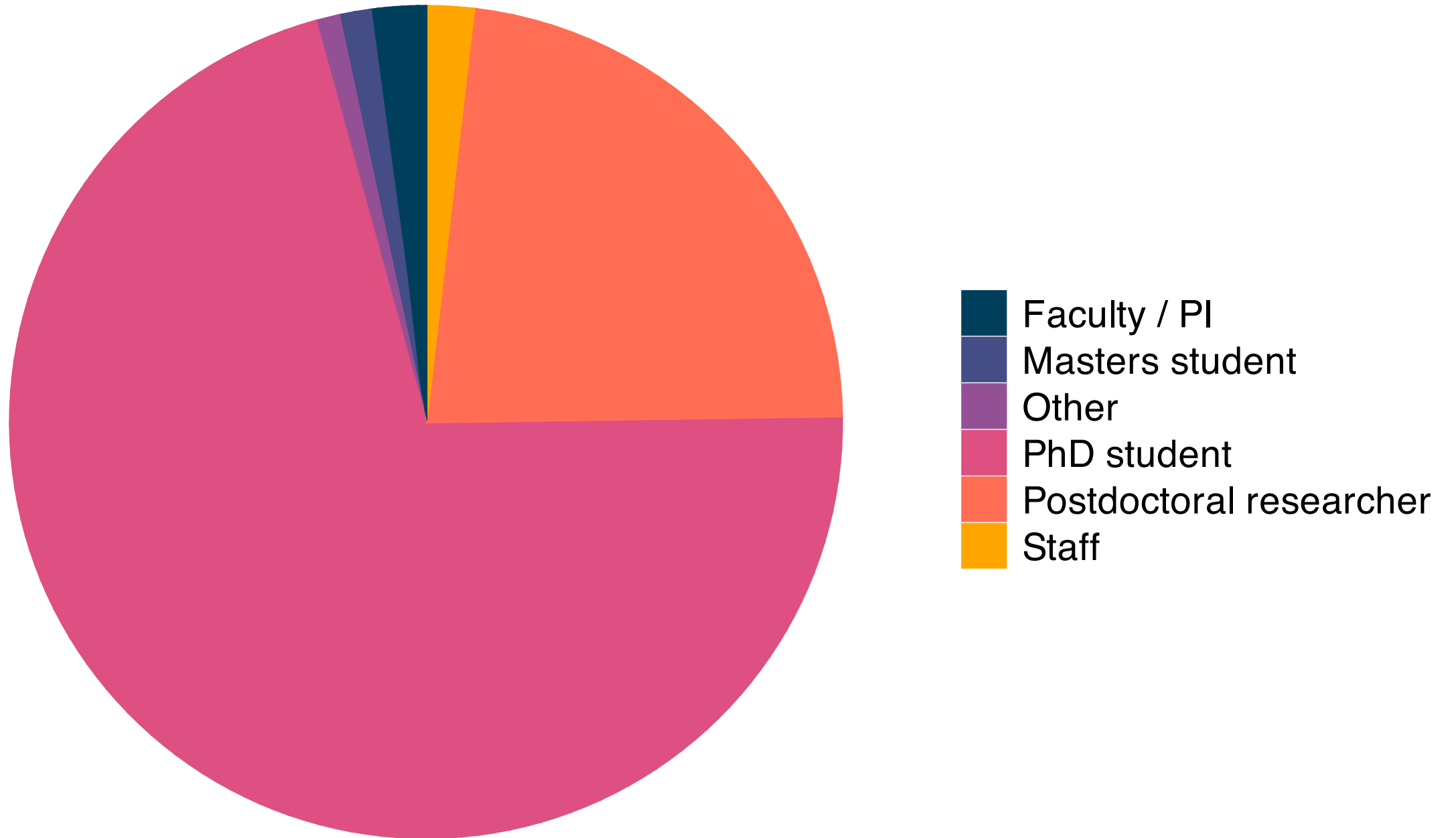
Where you're from (Country)



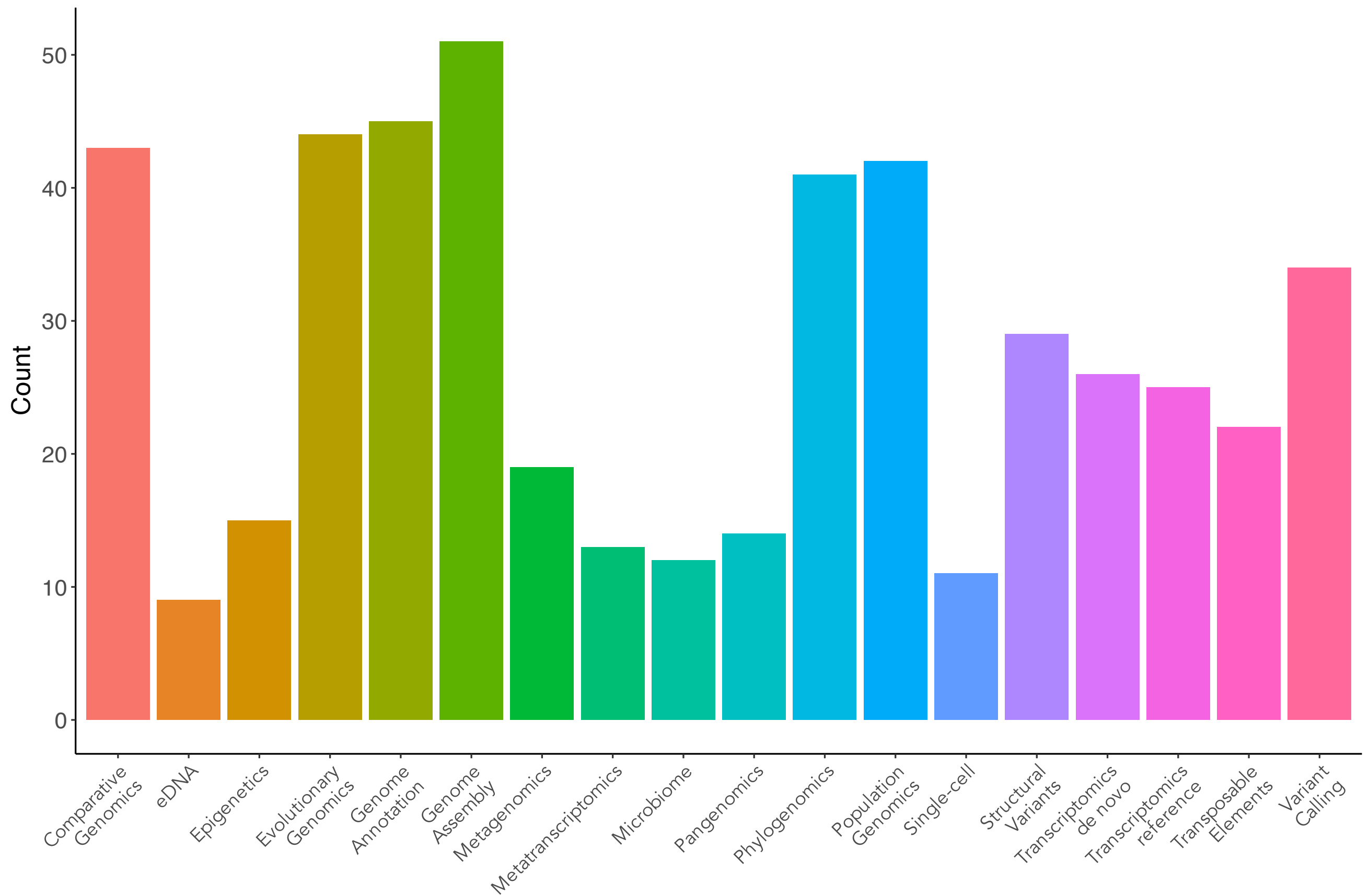
Where you're from (Institution)



Career stage



Topics of interest



Us



Instructors / Teaching Assistants (TAs):

The most important people and your new best friends!



🇲🇪 Daniel 🇩🇪



🇩🇪 Janina 🇩🇪
"Participant Liaison"



🇮🇳 Karthick 🇮🇳
"Participant Liaison"



🇨🇴 Luis 🇺🇸



🇨🇪 Miloš 🇨🇪



🇬🇧 Thea 🇦🇹

Organisation Team

Josie



🇬🇧 Director 🇮🇹

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

Partners



Graduate Research School in Genomic Ecology

LUND UNIVERSITY, SWEDEN



LUND
UNIVERSITY



TKT - Training and Knowledge Transfer



<https://www.erga-biodiversity.eu/>

<https://www.biology.lu.se/phd-studies/geneco-graduate-research-school-genomic-ecology>

Faculty: Week 1



Scott Handley



Mercè Montoliu Nerin



Rayan Chikhi



Katharina Hoff



Camille Marchet



Antoine Limasset



Petr Danecek



Erik Garrison



Fritz Sedlazeck



Guy Leonard

Faculty: Week 2



Brian Haas



Rachel Steward



Sonya Dyhrman



Oleg Simakov



David Barnett



Marcela Uliano-Silva



Vincenza Colonna



Mike Zody



Evan Eichler



Dag Ahren



Rosa Fernández



Chris Wheat

Arrival / Departure Dates

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

[illegible]

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

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

Each participant can (and is encouraged!) to participate in 2 faculty lunches. If you want participate to additional faculty lunches, please write your name in the reserve list and feel free to go if there are still some slots left																
Faculty Member	Rayan Chikhi	Katharine Hoff	Camille Marchet, Antoine Limasset	Fritz Sedlazeck	Elis Garrison	Brian Haas	Rachel Steward	Sonya Dymnar	Oleg Simakov	David Barnett	Marcela Uliano-Silva	Vincenzo Colonna	Evan Eichler	Dag Ahlén	Rosa Fernández	Chris Wheat
Topic	Alignment	Genome annotation	Genome assembly	Structural variants	Variant calling & Pangenomics	Transcriptomics and Single-cell Transcriptomics	Analysis of RNASeq Data	Genomics in the Ocean	Comparative genomics	Microbiome analysis	Genome assembly	Population genomics	Genome structural variation	Best Practices in Handling Genomic Data	Phylogenomics	Lies, Damn Lies, and Genomics
Instructor	Josie	Milos	Jenna	Lus	Karthick	Josie	Itea	Janira	Daniel	Lus	Karthick	Milos	Joan	Dag Ahlén	Meice	Chris Wheat
Date	10th	10th	11th	12th	13th	15th	15th	16th	16th	16th	17th	17th	18th	18th	19th	19th
Location	Liberta	Don Julius	Liberta	Don Julius	Liberta	Liberta	Don Julius	Liberta	Don Julius	Liberta	Liberta	Don Julius	Liberta	Don Julius	Liberta	Don Julius
Lunch/Dinner	Lunch	Lunch	Lunch	Dinner	Lunch	Lunch	Dinner	Lunch	Dinner	Dinner	Lunch	Dinner	Lunch	Dinner	Lunch	Lunch
Participant 1																
Participant 2																
Participant 3																
Participant 4																
Participant 5																

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

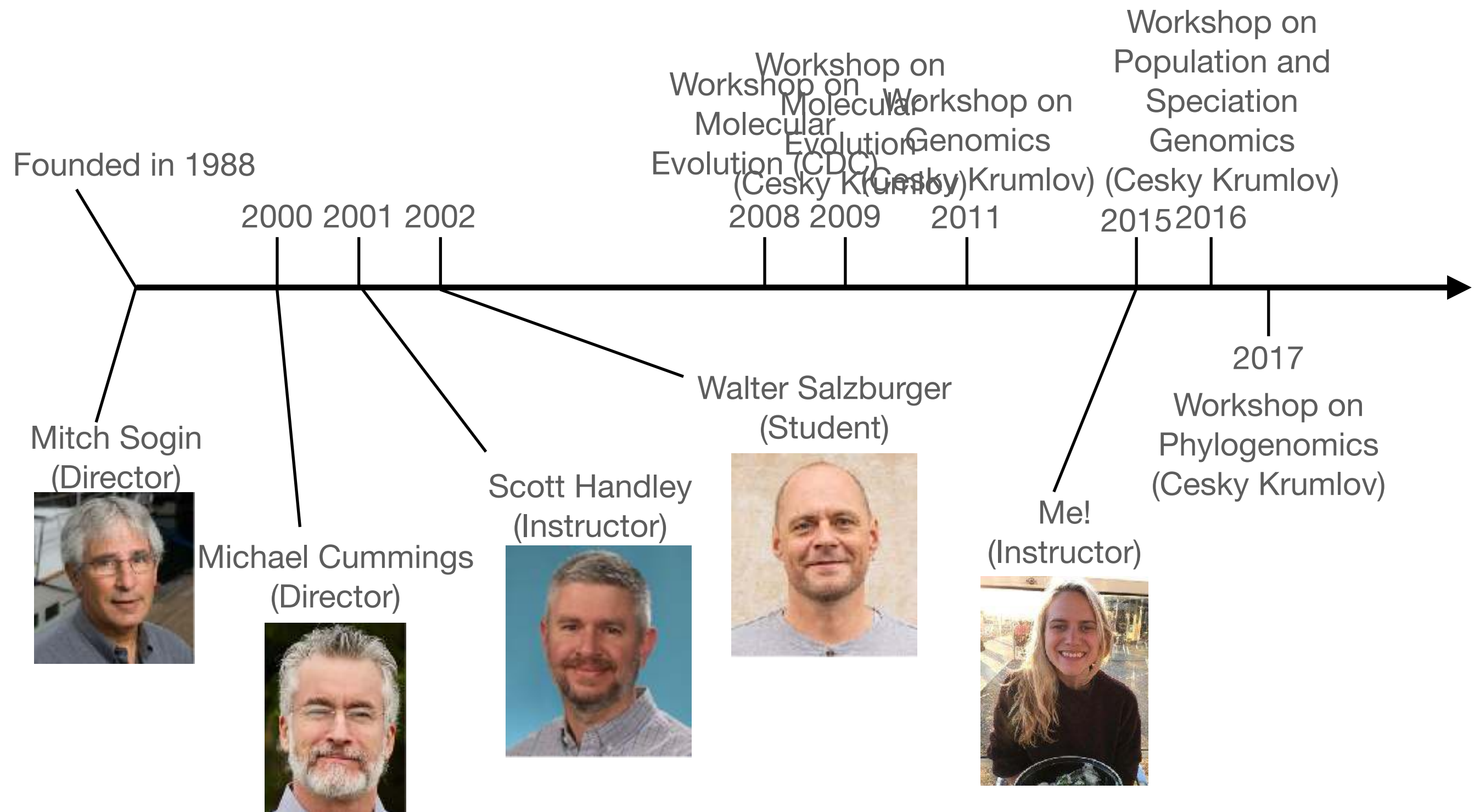
A brief history of the workshop



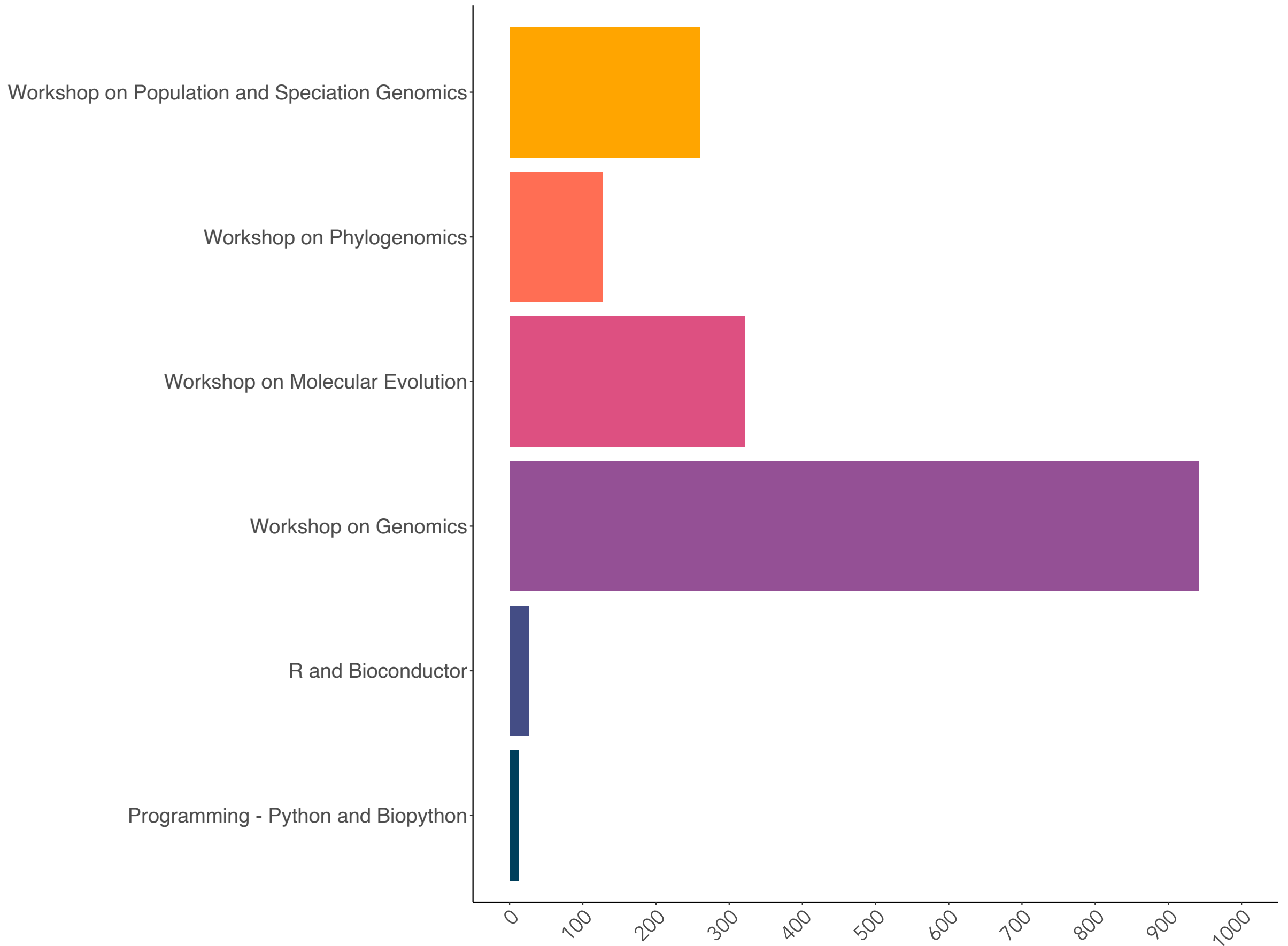
Workshop on Molecular Evolution

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

A brief history of the workshop



Numbers over the years



Why Český Krumlov?



Why Český Krumlov?



Why Český Krumlov?



Why Český Krumlov?

- reasonably priced
- relative close to major travel hubs
- three "I"s: Isolated, Idyllic, Infrastructure
- huge support from the community



Detailed Schedule

<https://evomics.org/2024-workshop-on-genomics/>

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2024 WORKSHOP ON GENOMICS, CESKY KRUMLOV



The 2024 Workshop on Genomics is being held 7-20th of January, 2024 in [Český Krumlov](#), Czech Republic. This is the 13th time the Workshop of Genomics will be held in the Czech Republic. After two editions of the workshop being held in the spring, the workshop returns to its original winter setting!

Week 1

DATE	DAY	TIME	PRESENTER	TOPIC	LOCATION
7th Jan	Sunday	18 – 22	Everyone	Reception dinner	Hotel Zlatý Andel
8th Jan	Monday	09 – 12	Josie Paris	Introduction and Orientation	Town Theatre
	Monday	14 – 17	Daniel Kintzl	Town Services	
	Monday	19.30 – 22	Scott Handley	Sequencing Technology	Town Theatre
9th Jan	Tuesday	09 – 12	Workshop Team	Dreams, Fantasy Dreams, and Genomics	Krumlov Mill (map)
	Tuesday	14 – 17	AMI Introduction and Starting with UNIX	House of Prelate	House of Prelate
	Tuesday	19 – 22	Mercè Montoliu Nerín	UNIX (workshop)	House of Prelate
10th Jan	Wednesday	09 – 12	Mercè Montoliu Nerín	UNIX (workshop)	House of Prelate
	Wednesday	14 – 17	Rayan Chikhi	Alignment	Town Theatre
	Wednesday	19 – 22	Katharina Hoff	Genome Annotation: theory and principles	Town Theatre
	Wednesday	19 – 22	Katharina Hoff	Genome Annotation practical	House of Prelate
11th Jan	Thursday	09 – 12	Camille Marchet & Antoine Limasset	Genome Assembly: theory and principles	Town Theatre
	Thursday	14 – 17	Camille Marchet & Antoine Limasset	Genome Assembly practical	House of Prelate
	Thursday	19 – 22	Petr Daněček	Essential File Types in Bioinformatics	House of Prelate
12th Jan	Friday	09 – 12	Erik Garrison	Variant Calling	House of Prelate
	Friday	14 – 17	Fritz Sedlazeck	Structural Variant Calling	House of Prelate
	Friday	19 – 22	Guy Leonard	Genomics Adventure	House of Prelate
13th Jan	Saturday	09 – 12	Erik Garrison	Pangenomics	House of Prelate
	Saturday	14 – 17	Rayan Chikhi	BIG Data	House of Prelate
	Saturday	18 – 22	Everyone	Town Tour	Town Square
	Saturday	18 – 22	Everyone	Dinner	Krumlov Mill (map)
14th Jan	Sunday	All Day	Everyone	Free Day	Up to you!

Week 2

		Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
		07 Jan	08 Jan	09 Jan	10 Jan	11 Jan	12 Jan	13 Jan	14 Jan	15 Jan	16 Jan	17 Jan	18 Jan	19 Jan	20 Jan
Actors	Antoine Limasset														
	Brian Haas														
	Camille Marchet														
	Chris Wheat														
	Dag Ahrén														
	David Barnett														
	Erik Garrison														
	Evan Eichler														
	Fritz Sedlazeck														
	Katharina Hoff														
	Marcela Uliano-Silva														
	Oleg Simakov														
	Rachel Steward														
	Rosa Fernández														
	Sonya Dyhrman														
Directors	Vincenza Colonna														
	Petr Danecek														
	Guy Leonard														
	Joan Ferrer Obiol														
	Josephine Paris														
	Mercè Montoliu Nerín														
Guests	Rayan Chikhi														
	Scott Handley														
	Daniel Mendez Aranda														
	Janina Rinke														
	Karthick Gajendiran														
	Luis Chica														
	Miloš Duchoslav														
	Thea Rogers														

FORMAT	
scriptomics	Town Theatre
	House of Prelate
	House of Prelate
	Town Theatre
	Town Theatre
	House of Prelate
	Town Theatre
	House of Prelate
	House of Prelate
	Town Theatre
	House of Prelate
	House of Prelate
	Town Theatre
	House of Prelate
	You Decide!

19th Jan

Friday

19th Jan

19:30 - 22

19th Jan

Everyone

19th Jan

End of Workshop Party

20th Jan

Saturday

All Day

Everyone

Departure

Social Events

- Monday 8th (tonight!)

Dreams, Fantasy Dreams, and Genomics

Location: Krumlov Mill @19.30



- Saturday 13th

Town tour (@19:00 - meet in the Town Square)

After tour, mid-workshop dinner (Krumlov Mill @20.00)

- Sunday 14th

Free day! (more info from Daniel shortly)

- Friday 19th

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



Communication during the workshop

- Daily announcements from the team
- website: evomics.org/2024-workshop-on-genomics/
- Slack group
- Twitter: #evomics2024
- Facebook: Workshop on Genomics



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 (Janina)
 - **don't come to lectures / labs if you're sick!**
 - wear a mask if you want (we will keep an eye on covid)



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



Daniel

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

The main bridge is closed!

- [Map](#) of the 2024 changes in Český Krumlov due to the bridge reparation.



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 every night
- 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

As is tradition, we will be having a 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 12th Jan (14.00)



BINGO #evomics2024

Workshop on Genomics 2024 BINGO! #evomics2024				
See someone asleep in lecture	Contribute to the t-shirt competition	Join a faculty lunch	Personalize your name badge	Do some exercise
Take a selfie with the workshop mascot	Command failed because of wrong directory	Dance in music bar	Say one Czech sentence to Milos	Try trdlenik
Eat a czech dish	Show a bird picture to Dan	Attend the welcome reception	Share a drink with a TA	Help your neighbour with an exercise
Post with the #evomics2024	See the bears	Take a selfie on the castle walls	Tell Thea a cephalopod joke	Post a fun photo with witty caption featuring
Join the workshop dinner 13th Jan	Find a vegan meal	Get a coffee (or tea) with Luis and talk about how amazing coffee is	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 :)



Now ...

Daniel Kintzl with information from the town



Welcome! We are so excited to have you here!