



workshop on phylogenomics

Český Krumlov

January 21 – February 3, 2024

objectives

- Frequently Asked Questions (FAQs)
- information about settings and logistics
- workshop background and history
- establishing expectations
- Other items

Frequently asked questions

Check the website!

Updated daily

EVOLUTION AND GENOMICS
Intensive and immersive training opportunities

WORKSHOPS

LEARNING

PEOPLE

APPLY

INFORMATION

2024 WORKSHOP ON PHYLOGENOMICS, CESKY KRUMLOV



Frequently asked questions

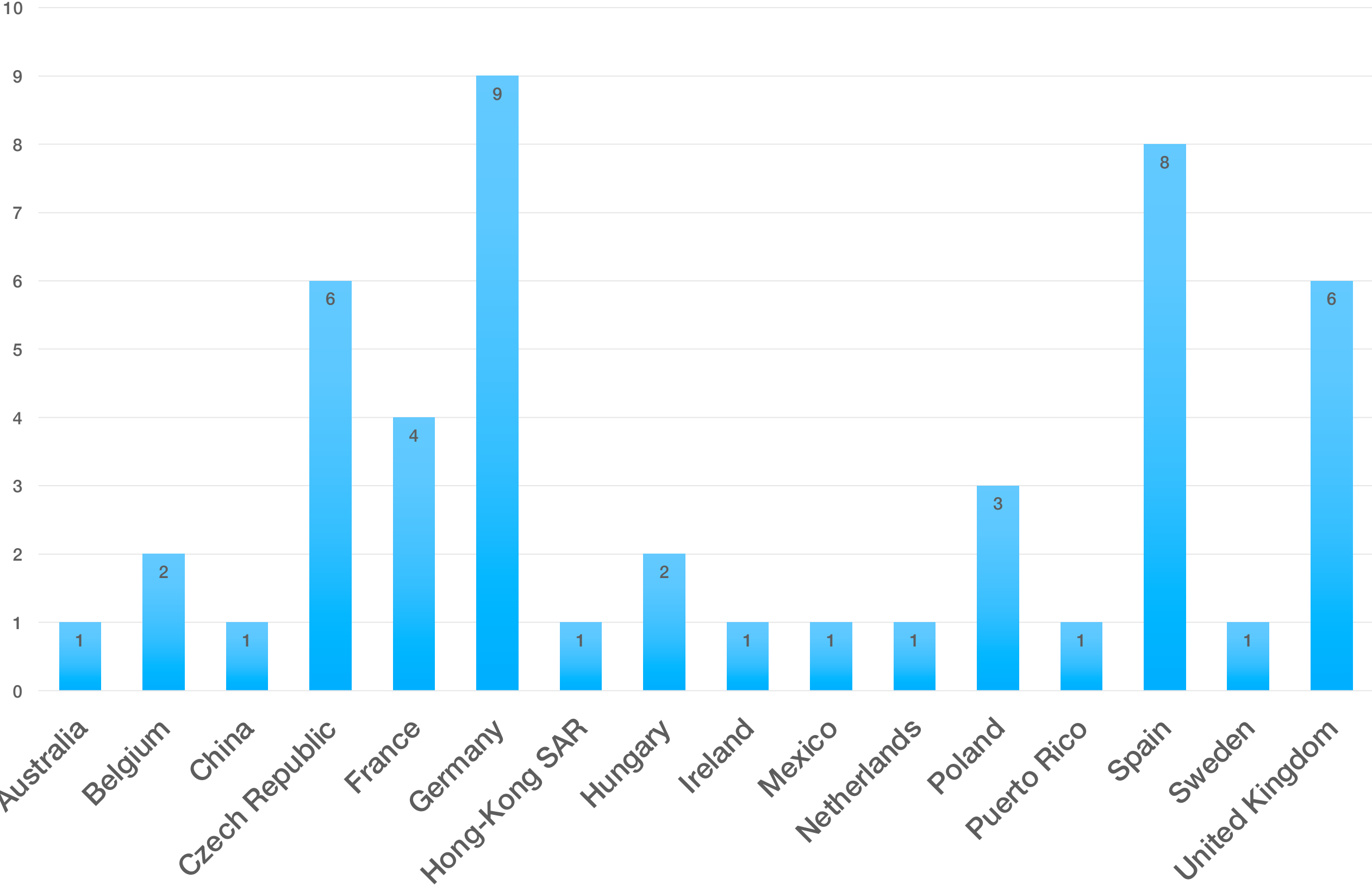
- where are the restrooms?
- Coffee/tea?
 - In lectures: approx. 10:30 in the Theatre Café
 - in labs: always available in backroom, faculty will commonly incorporate breaks
 - functional coffee and tea only.
- when to eat?
 - times: 12-14, 17-19
- where do we eat?
 - map on website
 - info from Daniel Kintzl (shortly)
 - ask the team!
 - late-night options for eating are limited

Who?



You first!

Regional Affiliation



us

Instructors/teaching assistants your new best friends!



Jacob



Gemma



Edu



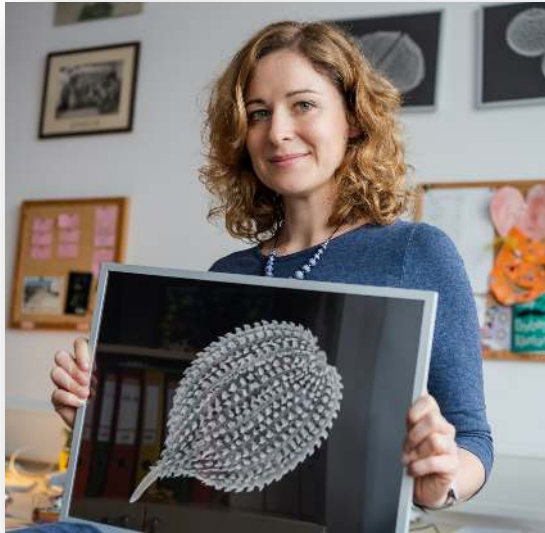
Michał



Karin

Organisation Team

Ania



co-director

Antonis



co-director

Rosa



co-director

Toni



co-director

Guy



Lead
Developer

Daniel



Český Krumlov
coordinator

Scott



Evomics director

faculty: week 1



Rosa Fernández



Marina Marcet-Houben



Olivier Gascuel



Erin Molloy



Oleksyi Kozlov



Hélène Morlon



Matthew Christmas



Aoife McLysaght

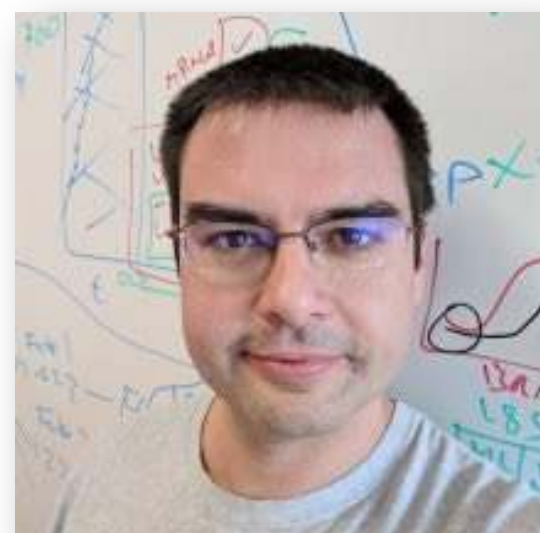
faculty: week 2



Antonis Rokas



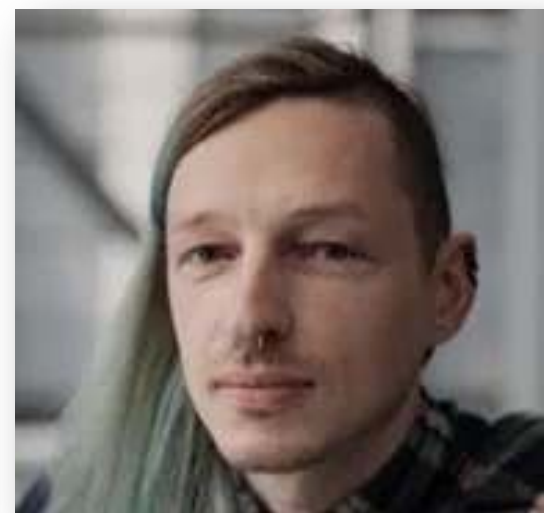
Jacob Steenwyk



Jordi Paps



Toni Gabaldon



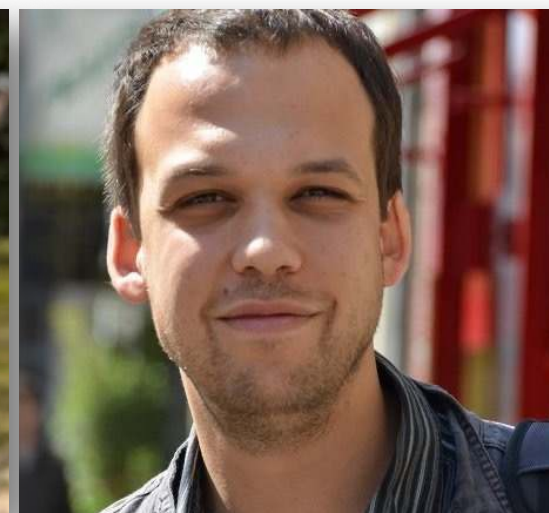
Gytis Dudas



Laura Eme



Lisa Pokorny



Gergely Szöllősi

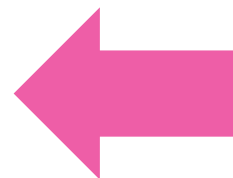


Ania Karnkowska

Arrival/Departure dates

PHYLOGENOMICS FACULTY

- [Click here to see our Faculty arrival and departure dates](#)
- Faculty [Bios](#) and Teaching Assistant [Bios](#)
- **Faculty Lunches:** [sign-up sheet](#)

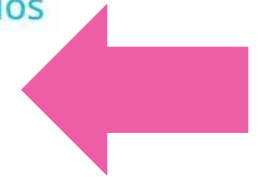
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Faculty Lunches

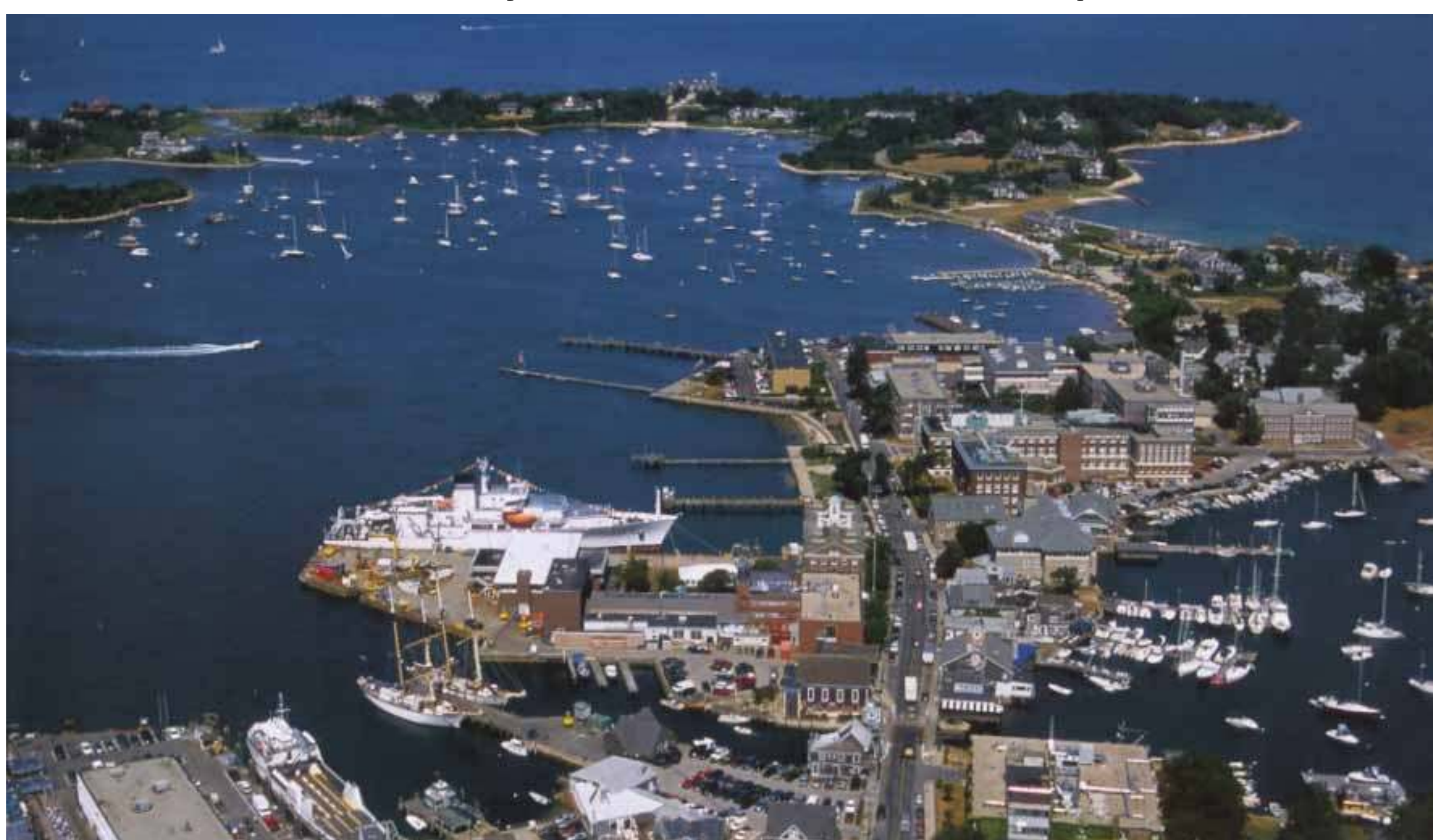
- outstanding opportunity to network with Faculty
- some Faculty are only here for a short period of time, so take advantage of the lunch!

PHYLOGENOMICS FACULTY

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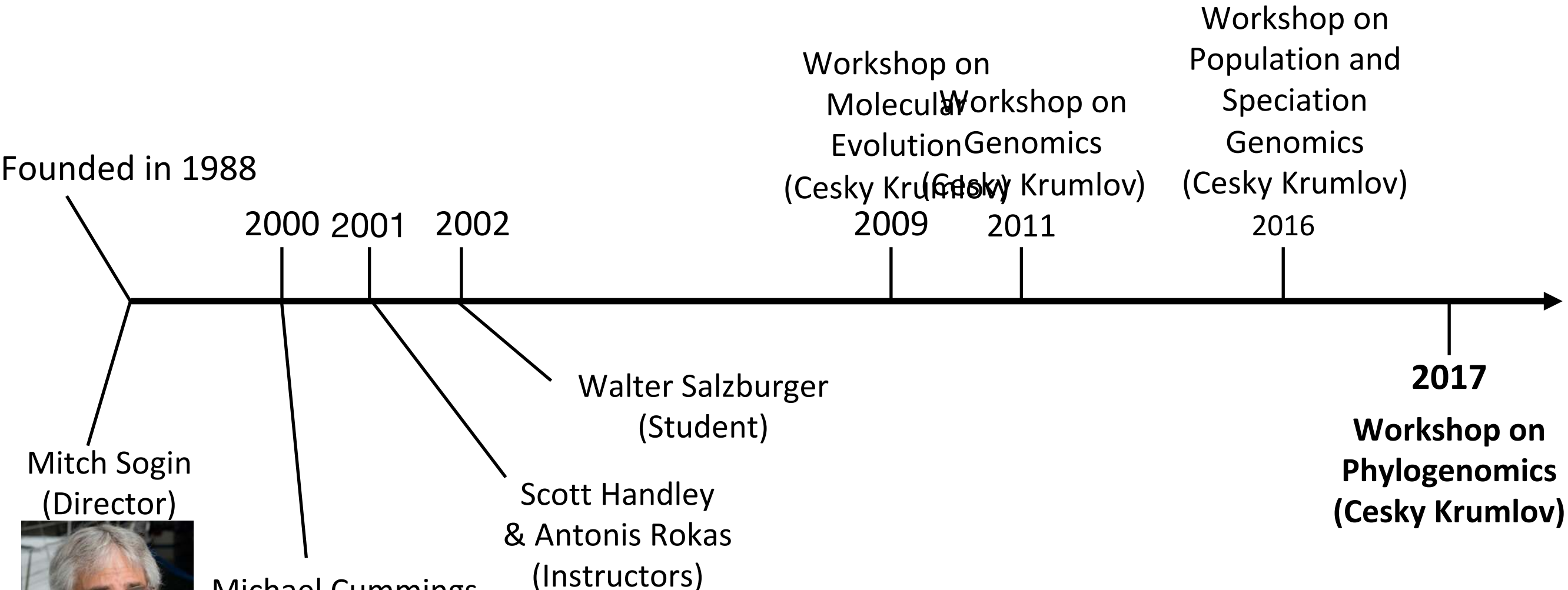
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A brief history of the workshop



Workshop on Molecular Evolution
<https://molevolworkshop.github.io/>

A brief history of the workshop



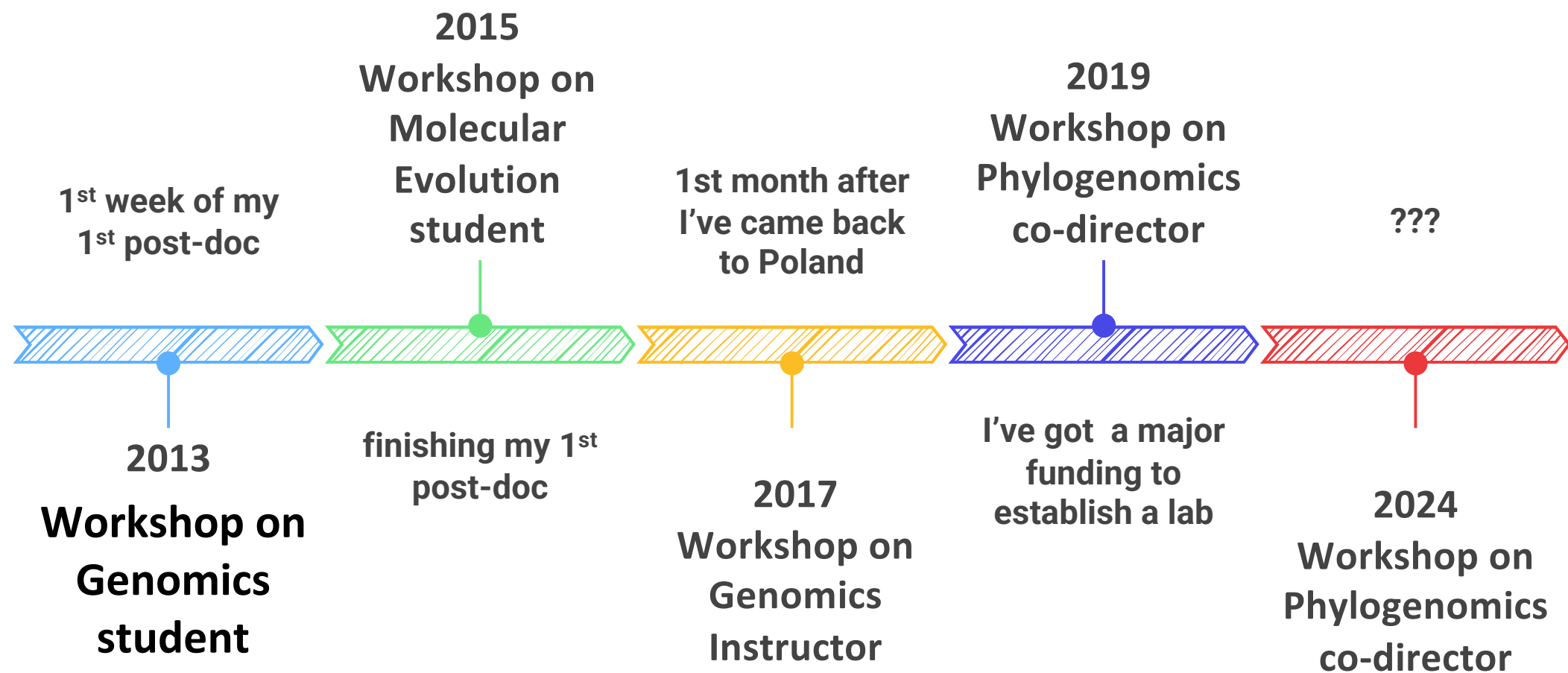
Mitch Sogin
(Director)



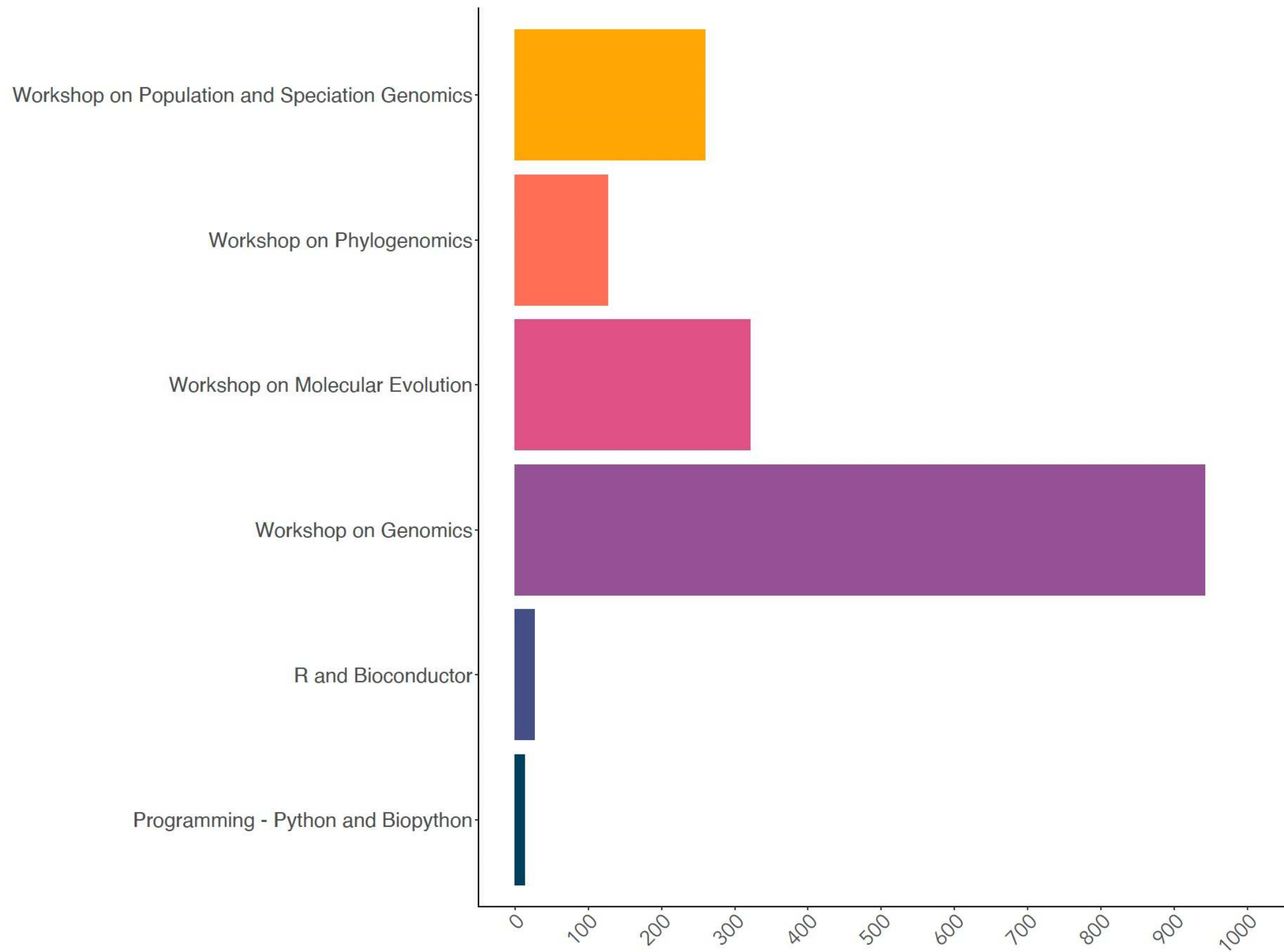
Michael Cummings
(Director)



Me & workshop(s)



Numbers over the years



Why Český Krumlov



why Český Krumlov?

- reasonably priced
- relatively close to major airports
- three I's
 - Isolated
 - Idyllic
 - Infrastructure
- huge support from the local community





schedule in detail

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

Week 1

Week 1 : 21-27 January, 2024

DATE	DAY	TIME	PRESENTER	TOPIC	LOCATION
Jan 21	Sunday	18 – 22	Everyone	Reception	Hotel Zlaty Andel
Jan 22	Monday	09 – 12	Anna Karnkowska	Introduction & Orientation, City Information	Town Theatre
	Monday	14 – 17	Workshop Team	Lab introduction	House of Prelate
	Monday	19 – 22	Everyone	Scientific speed networking	Krumlov mill
Jan 23	Tuesday	09 – 12	Rosa Fernández	Introduction to Phylogenomics	Town Theatre
	Tuesday	14 – 17	Workshop Team	Alignment and Alignment Trimming	House of Prelate
	Tuesday	19 – 22	Workshop Team	Tree Visualization & Tree Challenge	House of Prelate
Jan 24	Wednesday	09 – 12	Marina Marcet-Houben	Introduction to Phylogenetics, and Orthology and Paralogy	Town Theatre
	Wednesday	14 – 17	Marina Marcet-Houben	Orthology and Paralogy Prediction lab	House of Prelate
	Wednesday	19 – 22	Workshop Team	Partitioning and Concatenation Laboratory workshop & data workshop. Gene trees challenge & data challenge	House of Prelate
Jan 25	Thursday	09 – 12	Olivier Gascuel	State-of-the-art methods and software used in phylogenomic inference	Town Theatre
	Thursday	14 – 17	Erin Molloy	Coalescent methods in the context of phylogenomic inference lab	House of Prelate
	Thursday	19 – 22	Alexey Kozlov	RAXML software and phylogenomic analyses	House of Prelate
Jan 26	Friday	09 – 12	Hélène Morlon	Trait evolution on trees, and phenotypic and species diversification	Town Theatre
	Friday	14-17	Erin Molloy	Coalescent methods in the context of phylogenomic inference lab	House of Prelate
	Friday	19 – 22	Alexey Kozlov	Green computing	House of Prelate
Jan 27	Saturday	09 – 12	Matthew Christmas	Evolution and genomic basis of shared and specialized traits in mammals	Town Theatre
	Saturday	14 – 17	Aoife McLysaght	Phylogenetic inference in the context of Whole Genome Duplication	Town Theatre
	Saturday	19 – 22	Everyone	Town Tour, Workshop Dinner Party	Town Square Krumlov mill

Week 2

DATE	DAY	TIME	PRESENTER	TOPIC	LOCATION
Jan 28	Sunday	All Day	Everyone	Free Day	Up to you!
Jan 29	Monday	09 – 12	Antonis Rokas	Incongruence	Town Theatre
	Monday	14 – 17	Jacob Steenwyk	Incongruence detection lab	House of Prelate
	Monday	19 – 22	Jordi Paps Montserrat	Using genome-level processes to solve tricky nodes in phylogenetics	House of Prelate
Jan 30	Tuesday	09 – 12	Toni Gabaldon	Gene family evolution	Town Theatre
	Tuesday	14 – 17	Gytis Dudas	Reticulate evolution, temporal resolution and custom data visualisations for BEAST analyses	House of Prelate
	Tuesday	19 – 22	Everyone	Open Lab	House of Prelate
Jan 31	Wednesday	09 – 12	Laura Eme	Deep evolution of eukaryotes: problems and solutions from recent research	Town Theatre
	Wednesday	14 – 17	Lisa Pokorný	Target Capture Sequencing Approaches in Phylogenomics	House of Prelate
	Wednesday	19 – 22	Workshop Team	Summary, How to get programs, Discussion on phylogenomic pipelines	House of Prelate
Feb 1	Thursday	09 – 12	Gergely Szöllősi	Horizontal Gene Transfer	Town Theatre
	Thursday	14 – 17	Gergely Szöllősi	Horizontal Gene Transfer Lab	House of Prelate
	Thursday	19 – 22	Everyone	Open Lab	House of Prelate
Feb 2	Friday	09 – 12	Anna Karnkowska	Unravelling complexity: Exploring the evolution of microbial eukaryotes through phylogenomics and phylogenetics	Town Theatre
	Friday	14 – 17	Everyone	Round table discussions, T-shirts and certificates	House of Prelate

social events

- Monday 22nd (tonight!)

Scientific Speed Networking - Location: Krumlov Mill @19.00

- Saturday (27th Jan)
 - Town tour (@19:00 - meet in the Town Square)
 - After tour, mid-workshop dinner (Krumlov Mill @20.00) - on us!
- Sunday (28th Jan)
 - free day. More information from Daniel Kintzl shortly
- Friday (2nd Feb)
 - End of Workshop party - you plan this!

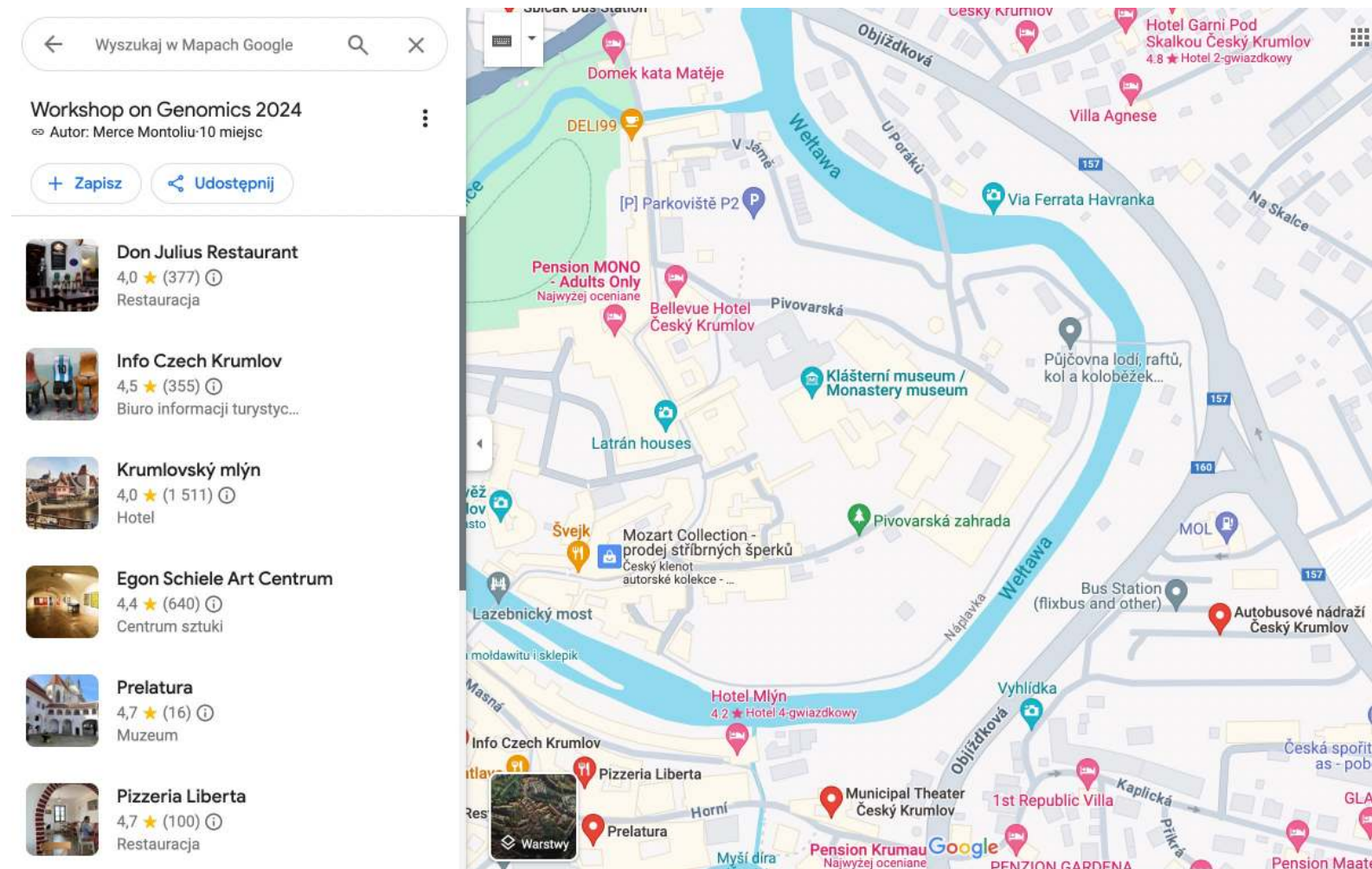
communication during the workshop

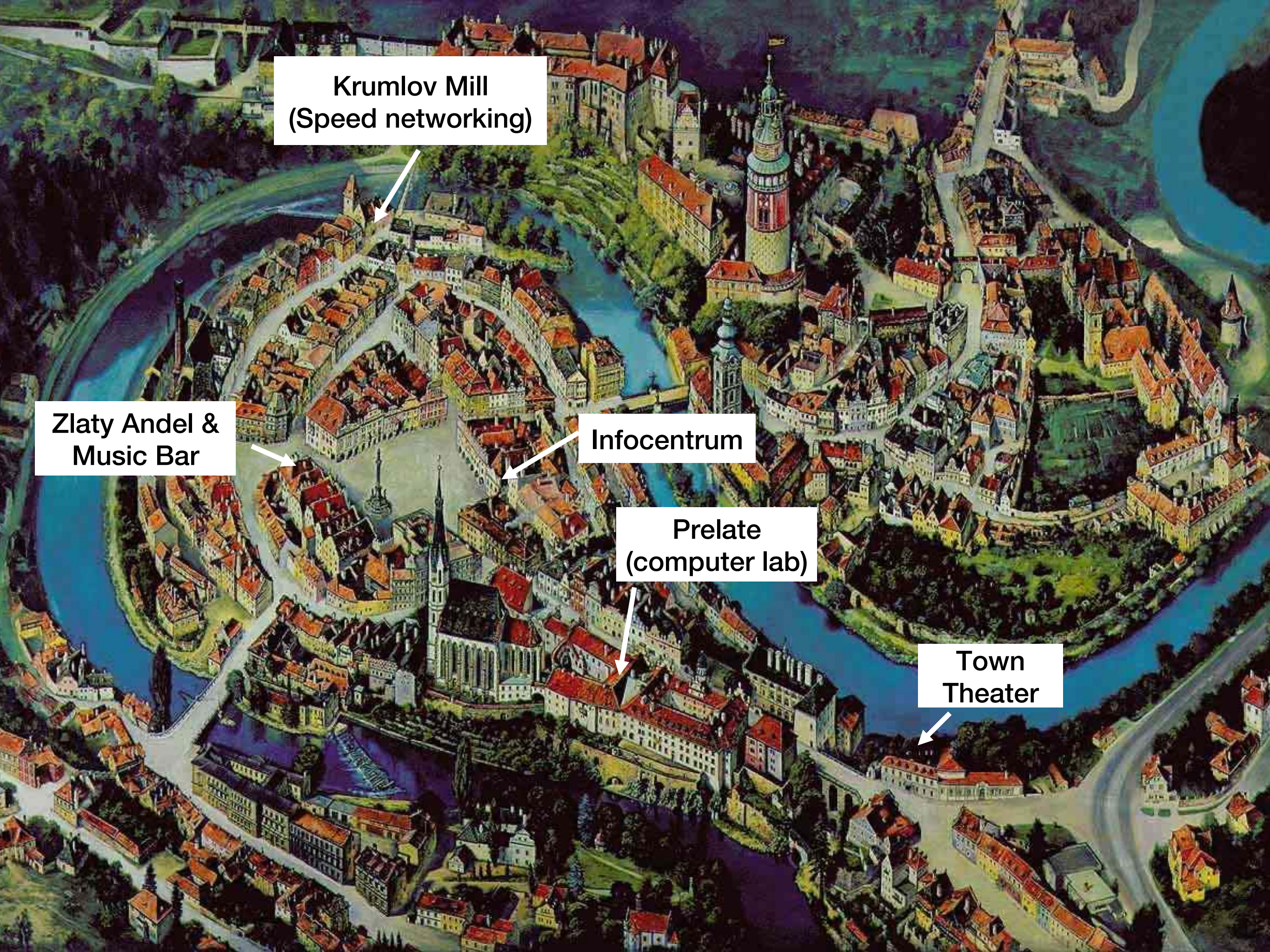
- Daily announcements from the team
- website: <http://evomics.org/2024-workshop-on-phylogenomics/>
- twitter: #evomics2024
- Slack: 2024 Workshop on Phylogenomics
- facebook: Workshop on Phylogenomics

key locations

FIND YOUR WAY AROUND ČESKÝ KRUMLOV

- [Český Krumlov town information](#)
- [Map](#) of the 2024 changes in Český Krumlov due to the bridge reparation – **Check before arrival to choose the bus stop closest to your accomodation!!**
- [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





Krumlov Mill
(Speed networking)

This is an aerial photograph of the town of Krumlov, Czech Republic. The town is built on a hillside, with a winding river (Vltava) flowing through it. The architecture is a mix of medieval and Baroque styles, with many red-tiled roofs. Several landmarks are highlighted with white arrows and text boxes. The Krumlov Mill is located on the riverbank in the upper left. The Zlatý Anděl & Music Bar is in the lower left. The Infocentrum is in the center. The Prelate (computer lab) is in the lower center. The Town Theater is in the lower right. The town is surrounded by green hills and forests.

Zlatý Anděl &
Music Bar

Infocentrum

Prelate
(computer lab)

Town
Theater

The main bridge is closed!



Krumlov Mill
(Speed networking)

Zlaty Andel &
Music Bar

Infocentrum

Prelate
(computer lab)

Theater



expectations

Ahoj!



General well-being

exhaustion

- watch your health
- sleep / rest / eat well
- stay hydrated
- let a staff member know if you are not feeling well (Ania)
- **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 likely not finish every step of every exercise
- application bugs
- connectivity issues
- you will not become an expert in 2 weeks



Approach & Attitude

- patience!
- we have 2 weeks together!
- sleep
- ask questions (also on Slack!)
- everything will be available on the web after the course is over
- have fun!
- make new friends, collaborators, connections
- enjoy Krumlov!
- **help your neighbour!**



Ania's survival kit



Amazing people I can count on!



Spot some street art!



Ginger tea!



Go at least once outside the old town!

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 workshop 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.



Jacob



Karin

House of Prelate (computer lab)

- dates back to the 2nd half of the 14th century (Gothic period)
- one of the oldest buildings in Krumlov
- has housed several breweries between the 1596 - 1865
- important for us:
 - fully wired and wireless internet
 - power distribution



House of Prelate

lab policy

- no food or drink inside the computer hall
- wipe feet before entering
- coats in the coatroom
- do not touch the walls (frescoes)
- strict arrival and departure times
- wash your own coffee mugs



Other stuff

Please wear your name badge

- it's nice to know each other's names! and favourite organisms!
- you can add your nick name, preferred gender pronoun
- partner restaurants will only give you discount if you have your badge!
- we have pens available for decorating them – be creative :)





Each of you: **make your own mug!**



post lab discussions

- important feature of the Workshop
- we have a specified bar booked every night (check Slack #bar)
- great opportunity to meet with faculty in an informal environment
- non-alcoholic drinks are also available
- bars are also indicated on the map
- other options possible – bowling/board games/movie night

T-shirt competition

- As a tradition we have a **T-shirt design competition!** Best T-shirt design (one front and one back image) will feature on the Workshop on Phylogenomics 2024 T-shirts! [Submit your design](#) by Friday 26th at the latest! (For inspiration, check out previous designs by our sister workshop [here!](#))
- BINGO!



- submit a T-shirt design for T-shirt of 2024 Workshop on Phylogenomics!
- winner will also receive a special gift from the town
- submit (pdf!) by Friday 26th January!

workshop BINGO



Workshop on Phylogenomics 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	Build a tree	Dance!	Show Michal a selfie with something old	Show Marina an image of the species you're working on
Eat a Czech dish	Command failed due to typo	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 Karin a pun	Tell Gemma what the last book you read was
Join the workshop dinner 27th Jan	Ask Eduard something in Spanish	Try the ClipKIT alignment trimming web browser	Ask a question in a lecture	Request a song on the jukebox

scientific speed networking

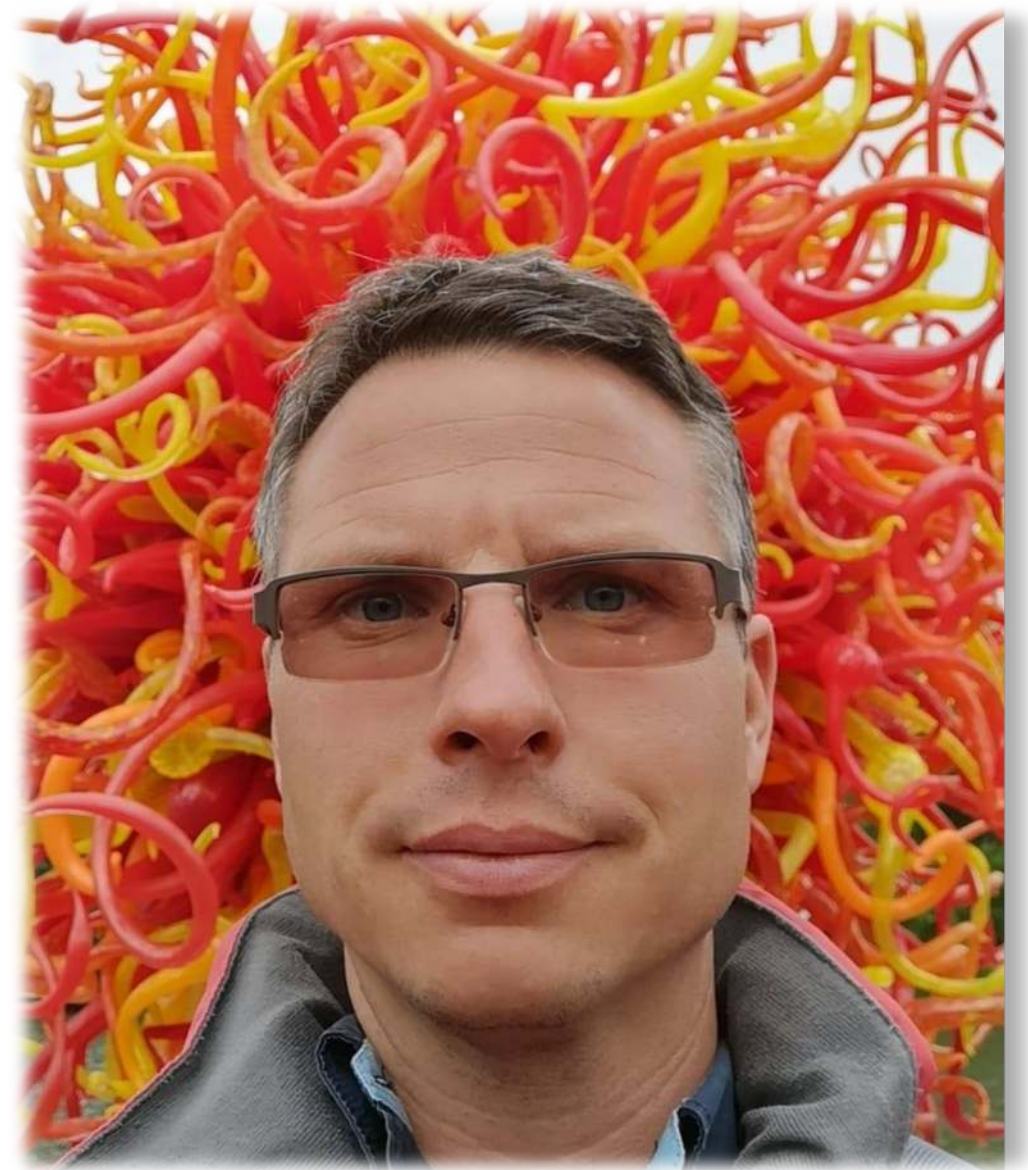
- tonight: Krumlov Mill (19:00 – 22:00)
 - helps us get to know each other!
 - find friends / collaborators
 - identify shared interests
 - some fun activities planned :)

**group photo
Today!**



next

- information from Daniel Kintzl
- group photo
- walk to house of prelate
- Extended 1st day lunch break
- 14:00 (2pm) introduction to lab at Prelate



Welcome!

We are excited to have you here!