



# workshop on genomics

Český Krumlov  
Summer, 2022

# objectives

- information about settings and logistics
- introductions
- workshop background and history
- establishing expectations
- miscellany

# f.a.q.

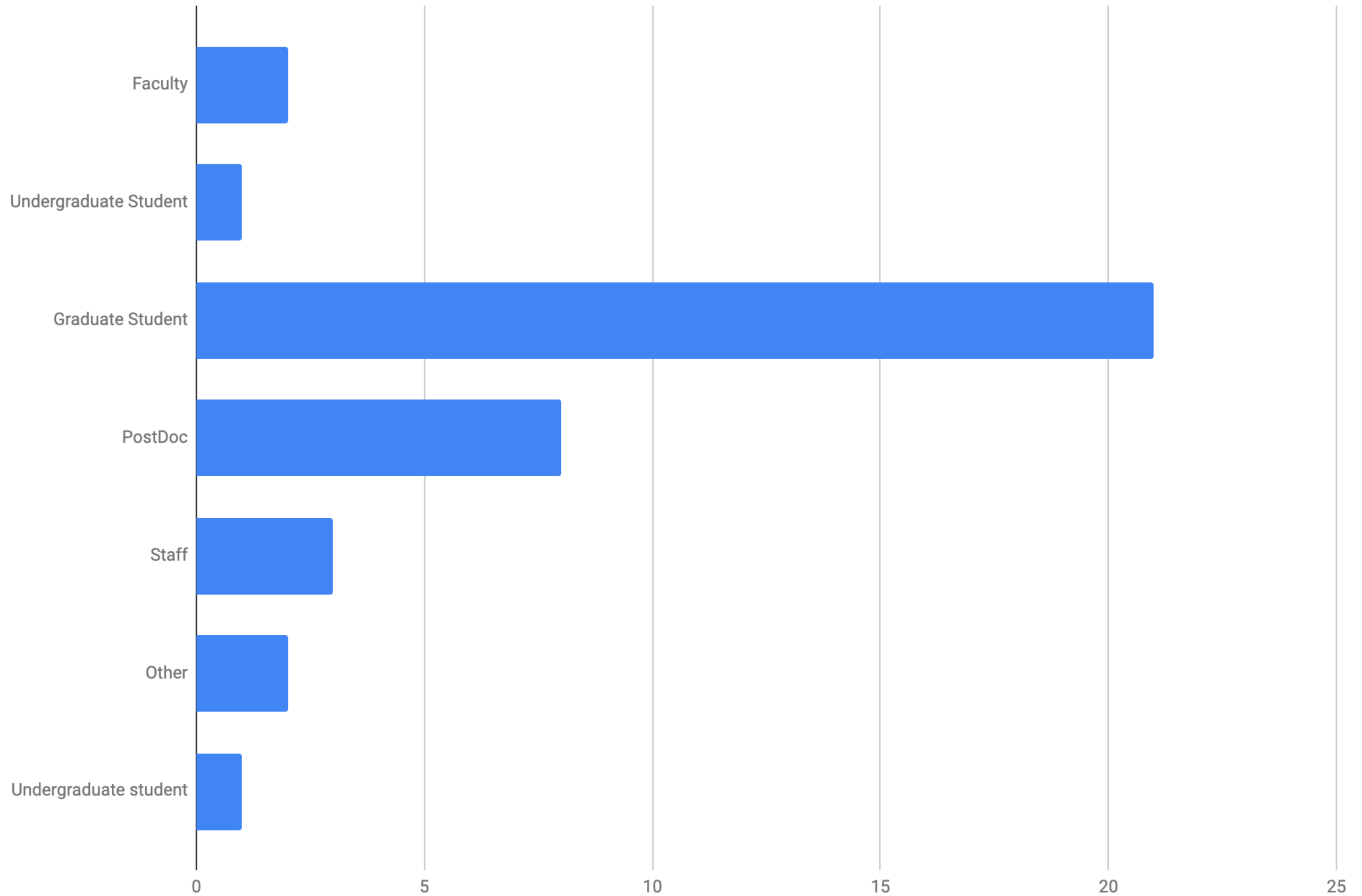
- where are the restrooms?
- coffee breaks?
  - approx. 10:00 in the lecture hall
    - functional coffee and tea only. No half-calf-decaf-double-mocha-pour-over
  - anytime in House of Prelate (Computer Lab)
- where and when to eat?
  - workshop map on the main schedule page
  - information from Daniel Kintzl
  - ask the team
  - times: 12-14, 17-19
  - late night dining options are limited

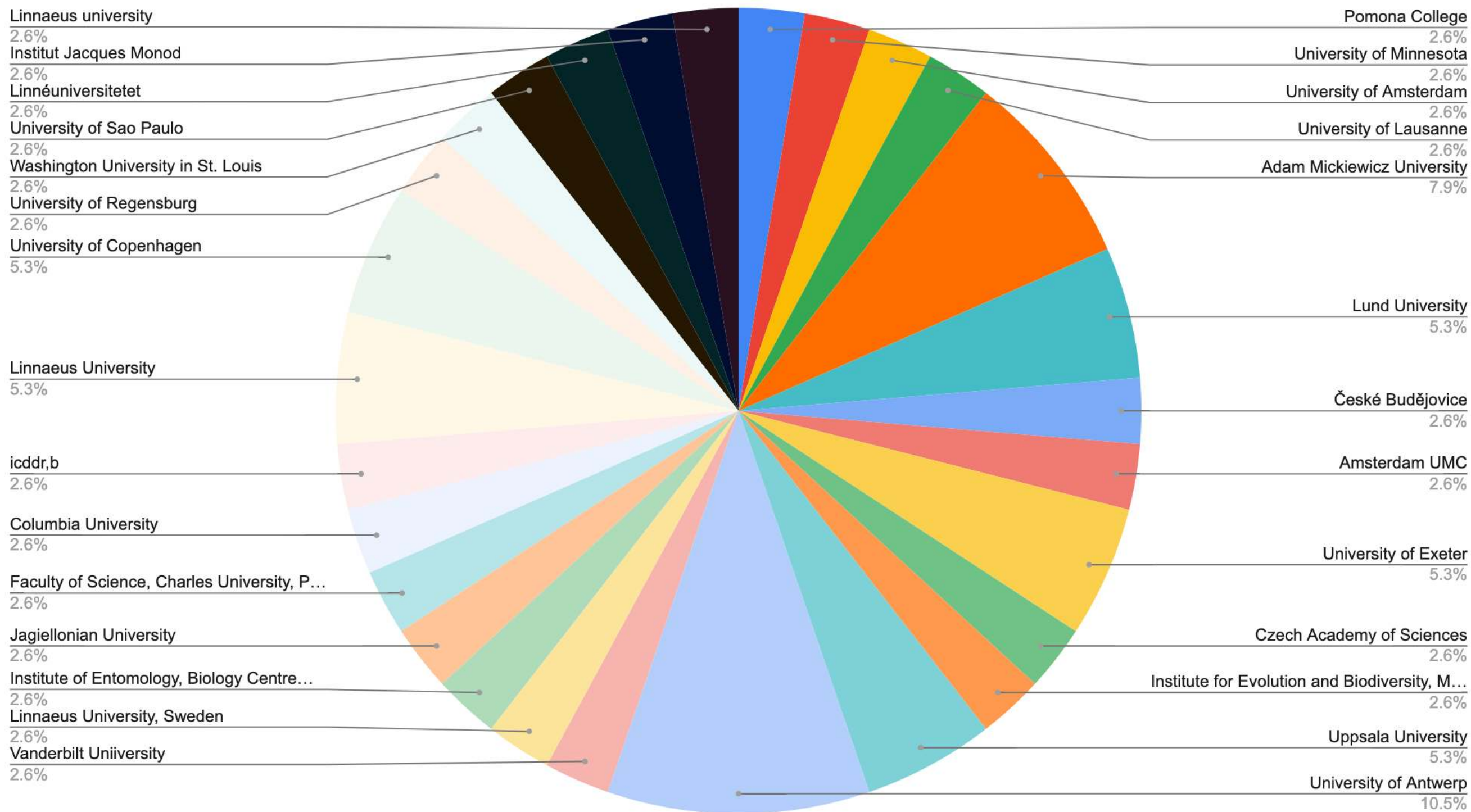
who



you

# Professional Level





us

# instructors: your new best friends



Kateryna



Merce



Karin



Nikos



Kalle

# co-directors



Dag



Sophie



Josie



Sonya



Scott



Guy



Rayan

# Previous Co-directors



Karin



Konrad



Naiara

# faculty: week 1



Sonya Dyhrman



Mike Zody



Camille Marchet



Antoine Limasset



Kristen Bos



Sophie



Malachi Griffith



Guy



Rayan

# faculty: week 2



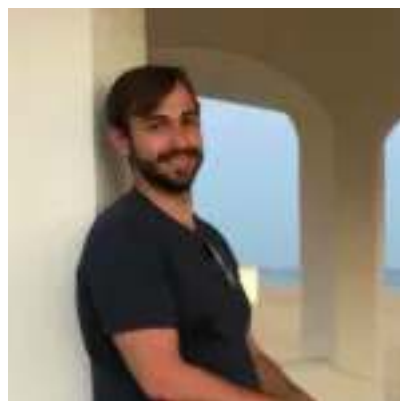
Brian Haas



Me!



David Barnett



Ilya Korunsky



Emiliano Trucci



Chris Wheat

# 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

**Workshop Information**

[Instance Addresses](#)

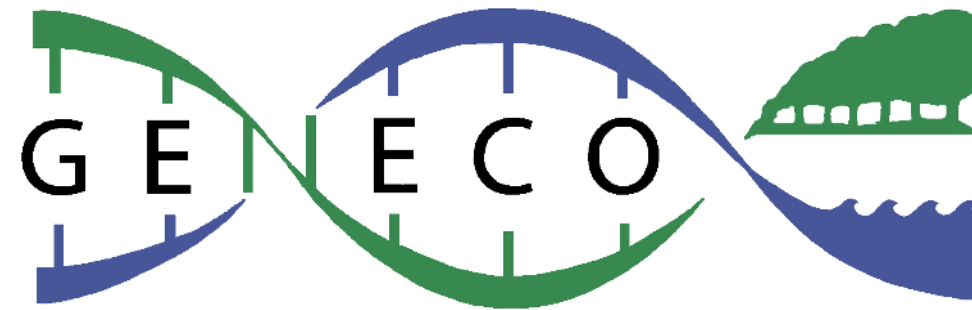
[Faculty lunch signup](#)

partners



Graduate Research School in Genomic Ecology  
LUND UNIVERSITY, SWEDEN





- Interdisciplinary graduate school for PhD students in Genomic Ecology
- Genomic Ecology - interface between ecology & evolution, molecular biology and genomics
- GENECHO was funded by the Swedish Research Council, from 2013 by the Faculty of Science, Lund University



what  
history  
concepts

history



# Woods Hole Workshop on Molecular Evolution



Michael Cummings  
Director



Scott (me!)



Michael & Scott  
have dinner in DC



Mitch Sogin  
Director

TA TA

1988

2000

2001

2002

2007

Walter Salzburger  
Student

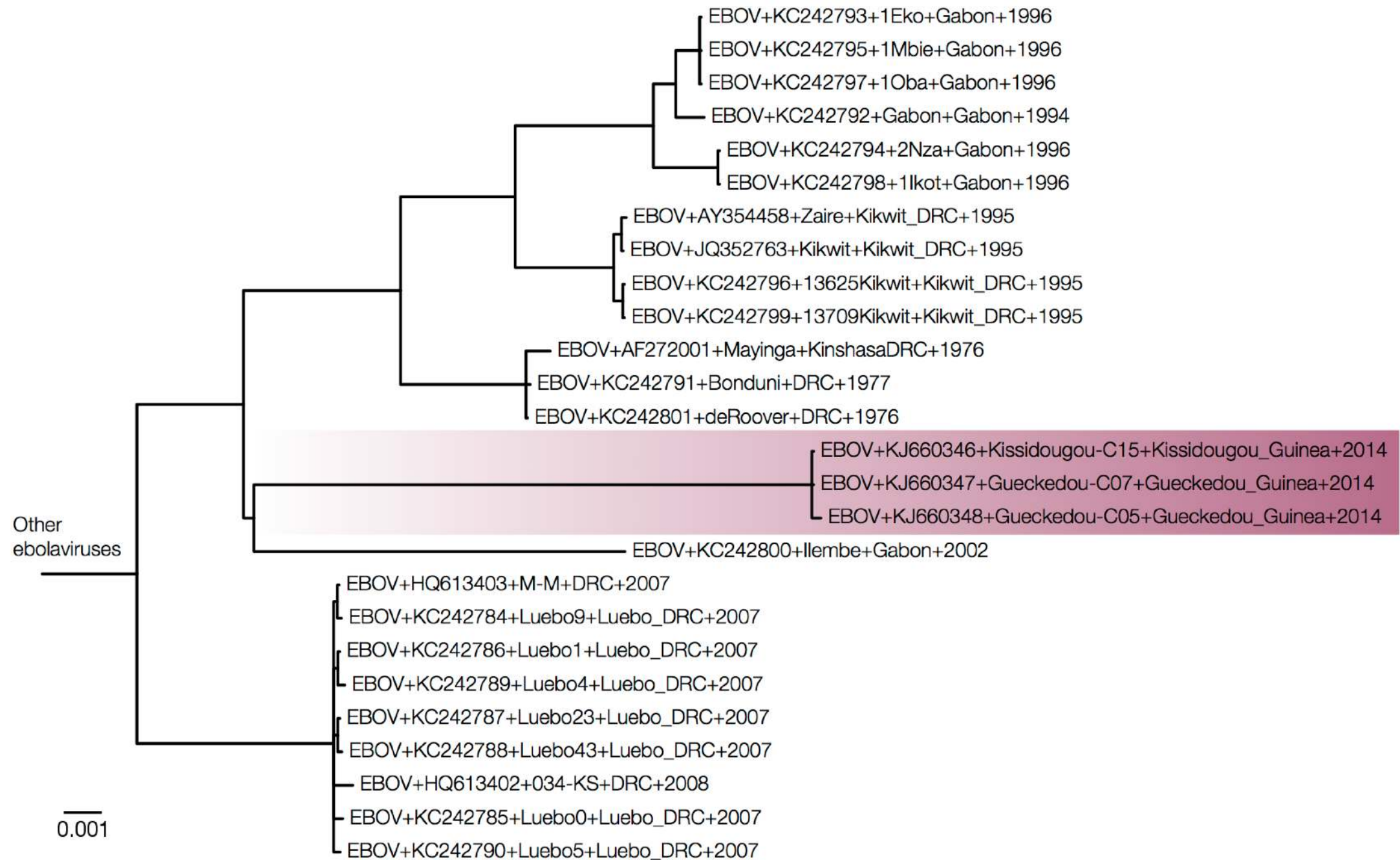


**CDC**

**CENTERS FOR DISEASE  
CONTROL AND PREVENTION**



# CDC loves trees



why Český Krumlov?



what is a Cheskie Kroomlav?

# CZECH REPUBLIC



# why Český Krumlov?

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



# workshops go global



Michael & Scott  
have dinner in DC

Workshop on  
Genomics  
Český Krumlov

Workshop on  
Phylogenomics  
Český Krumlov

2007

2008

2009

2011

2016

2017

Workshop on  
Molecular Evolution  
CDC

Workshop on  
Molecular Evolution  
Český Krumlov

Workshop on  
Population and Speciation  
Genomics  
Český Krumlov



concept

## Week 1: Fundamentals

Study  
Design

UNIX

Assembly

Alignment

Big Data

Data  
QA / QC

Visualization

Topical

R

## Week 2: Subject Specific

Transcriptomics

Population  
Genomics

Single-Cell  
Transcritpomics

Study Design

Microbiome

schedule in detail

**<https://evomics.org/2022-workshop-on-genomics-cesky-krumlov/>**

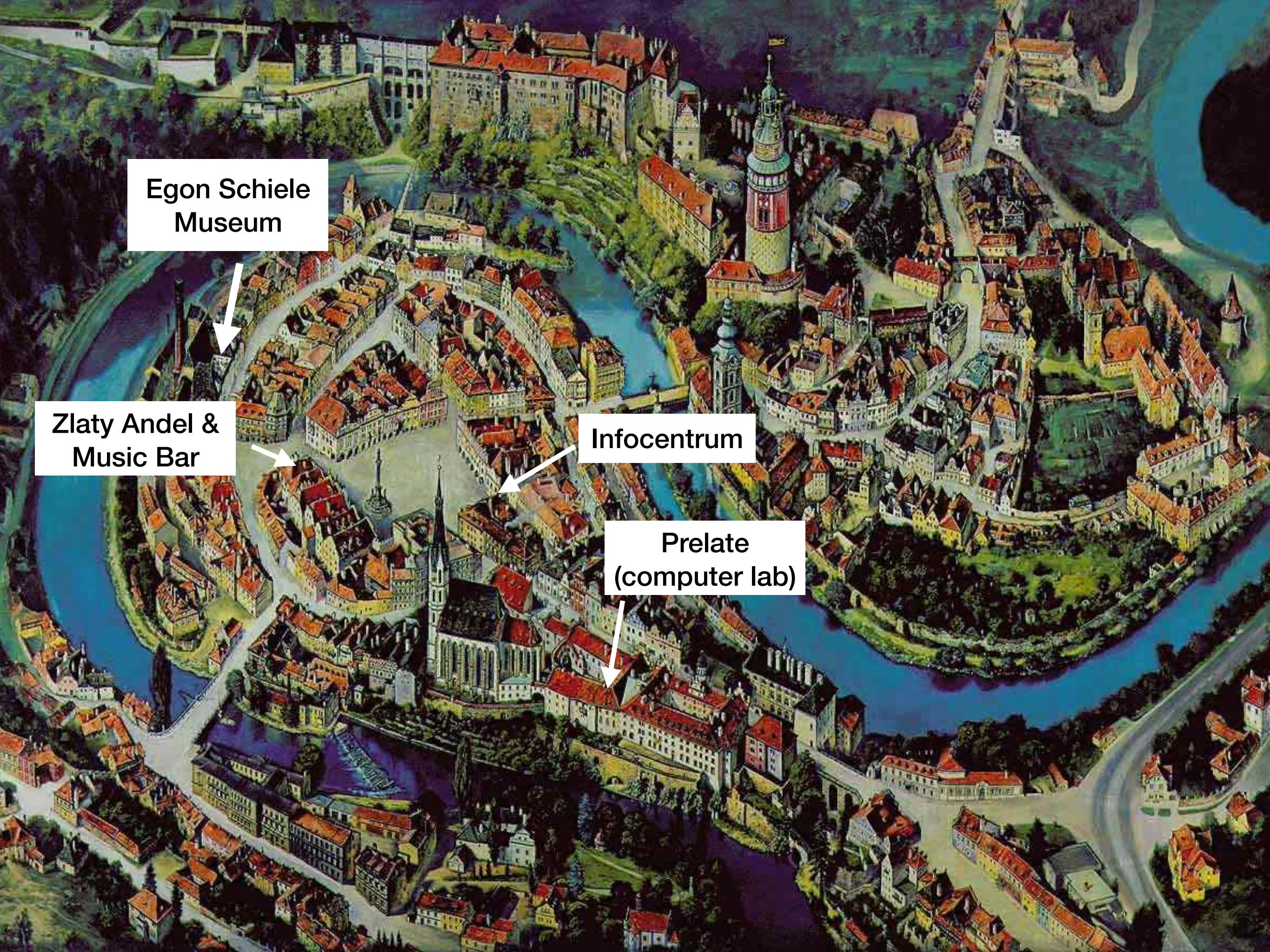
# social events

- Saturday
  - meet at 18:00 in the Town Square for a group tour of Český Krumlov
  - tour will finish with dinner (location TBD)
- Sunday
  - free day. More information from Daniel Kintzl shortly
- Friday
  - you plan end-of-workshop dinner / party

# communication during the workshop

- website: <http://evomics.org>
- twitter: #evomics2022
- facebook: Workshop on Genomics
- slack

key locations

An aerial, painterly illustration of a historic town, likely Český Krumlov, featuring a winding river, a large castle on a hill, and numerous red-roofed buildings. Four white arrows point from text labels to specific locations in the town.

Egon Schiele  
Museum

Zlatý Anděl &  
Music Bar

Infocentrum

Prelate  
(computer lab)

expectations

# phenomena

- exhaustion
  - watch your health
    - stay hydrated (ask a staff member about the magical powers of fizzy water)
    - let a staff member know if you are not feeling well
    - **If you do not feel well do not come to class!**
- 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 and attitude

- patience!
  - we have 2 weeks together!
- sleep
- ask questions (Slack)
- everything will be available on the web after the course is over
- have fun, make new friends and colleagues, enjoy Krumlov
- **WORK WITH YOUR NEIGHBORS**

A portrait of a middle-aged man with graying hair, smiling warmly at the camera. He is wearing a bright red zip-up sweater over a light blue collared shirt and a dark blue tie with a small, repeating pattern. The background is a solid light blue wall. To the left, a portion of a bookshelf is visible, showing several books with colorful, abstract covers. To the right, a green leafy plant is partially visible. The overall lighting is soft and even.

**Won't you be my neighbor?**

```
awk '{print $3 "/t" $4}' text.txt
```



**Thanks neighbor**

# 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. A point of contact dedicated to dealing with these issues will be highlighted during the welcome talk, but please know that you can discuss issues with the Workshop directors.

**<http://evomics.org/information/code-of-conduct/>**

# computer lab

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



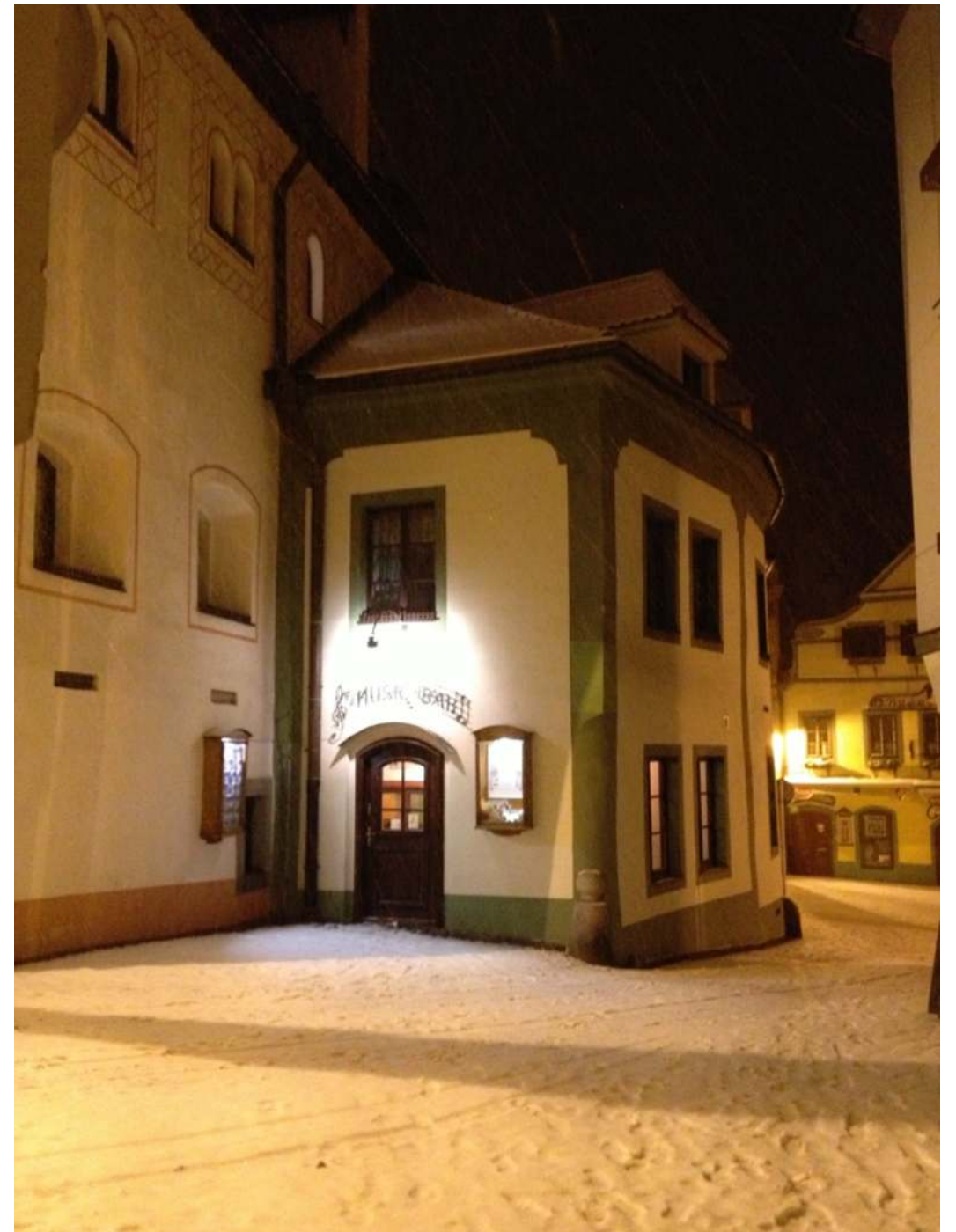
# lab policy

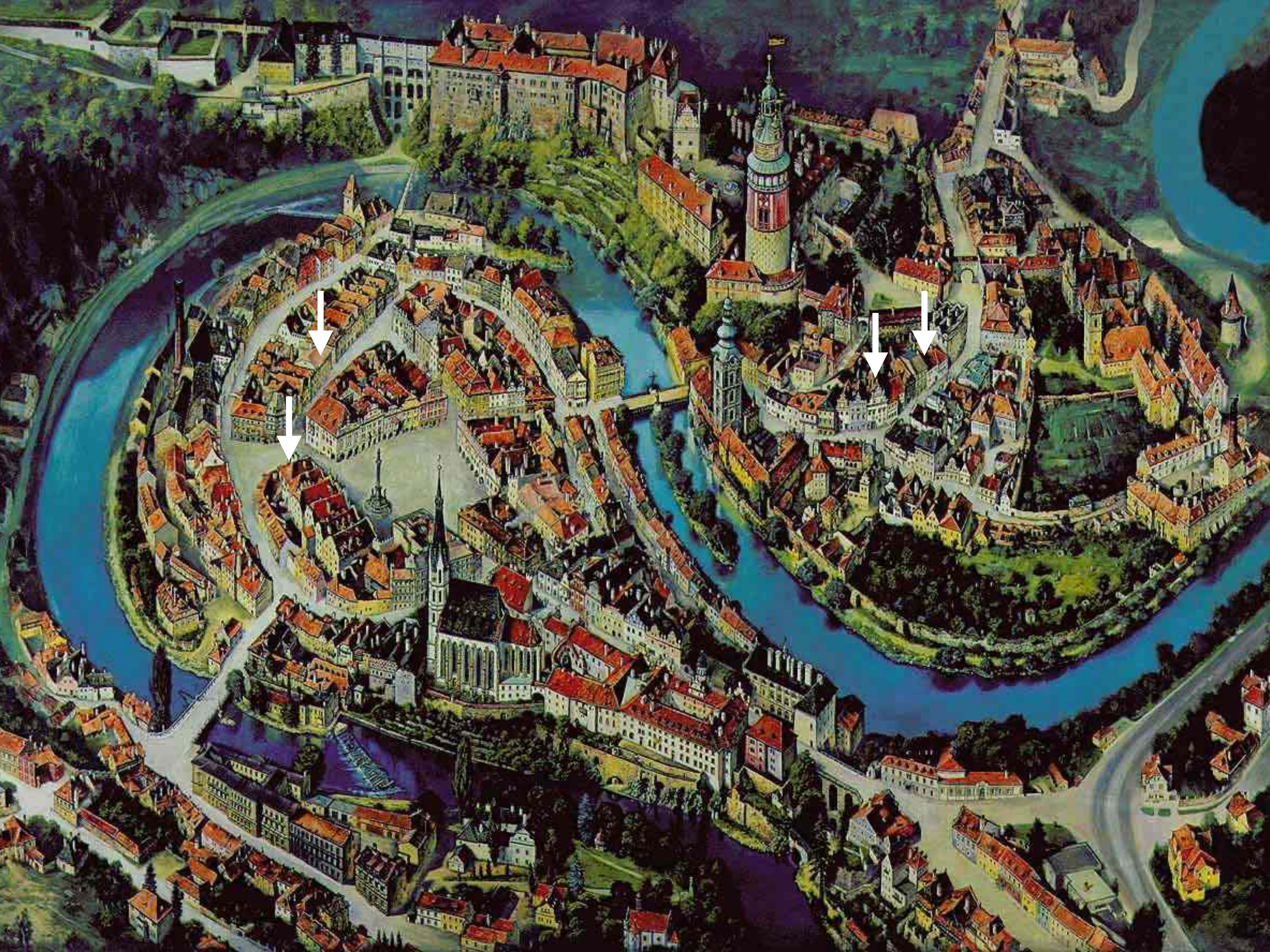
- no food or drink inside the computer hall
- wipe feet before entering
- coats in the coatroom
- do not touch the walls (frescoes) - painter died in 1791
- strict arrival and departure times
- wash your own coffee mugs



# post lab discussions

- important feature of the Workshop
- Music bar (tonight), Zappa Bar, Apotheke





miscellany

# t-shirt competition

- top design will be awarded with a special gift from the town
- **submit by THURSDAY, 26-May (this week!)**

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## Workshop Information

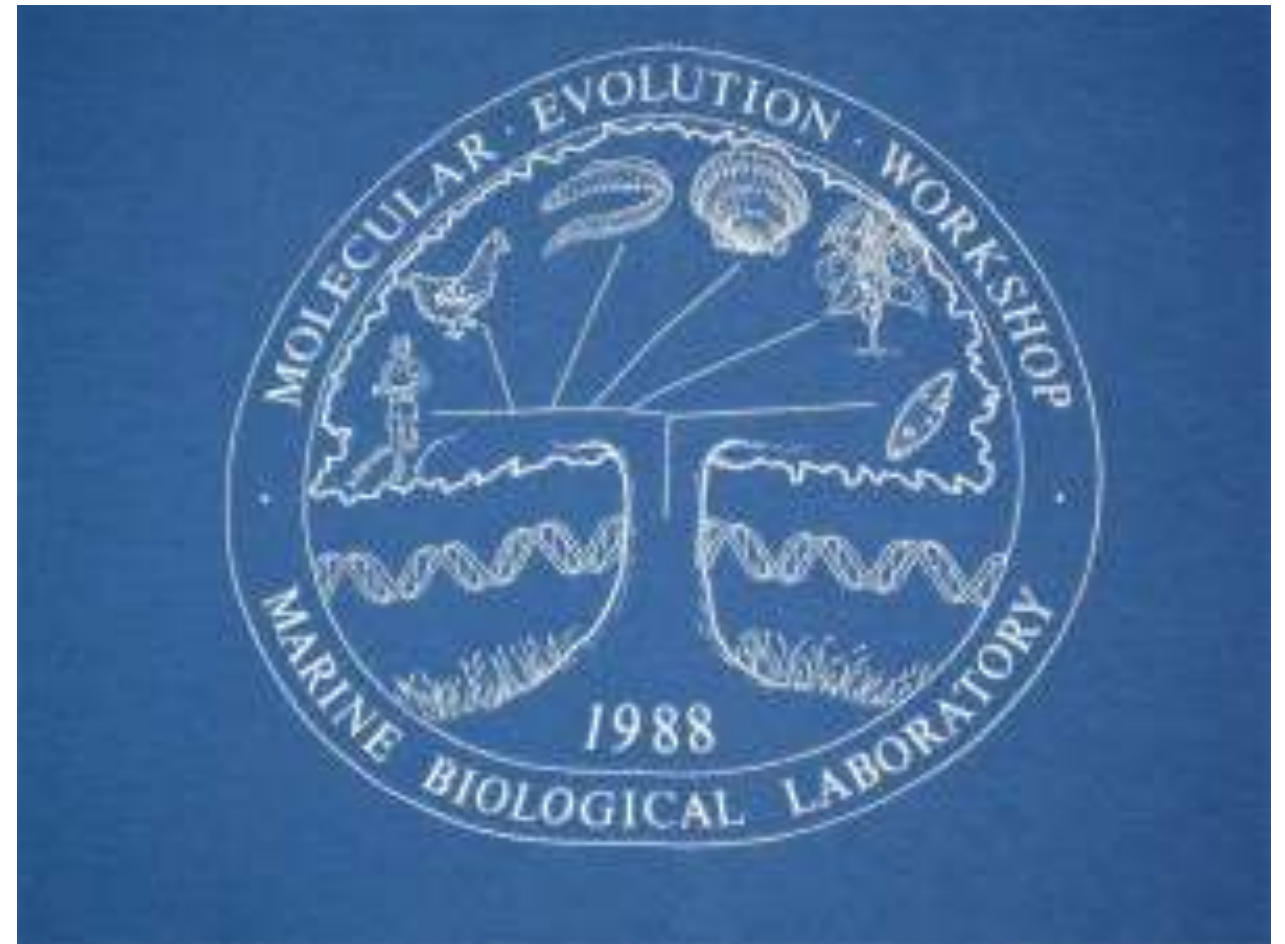
[Link to workshop slack](#)

[Instance Addresses](#)

[T-Shirt Competition](#)

[Speed Networking – Monday Night](#)

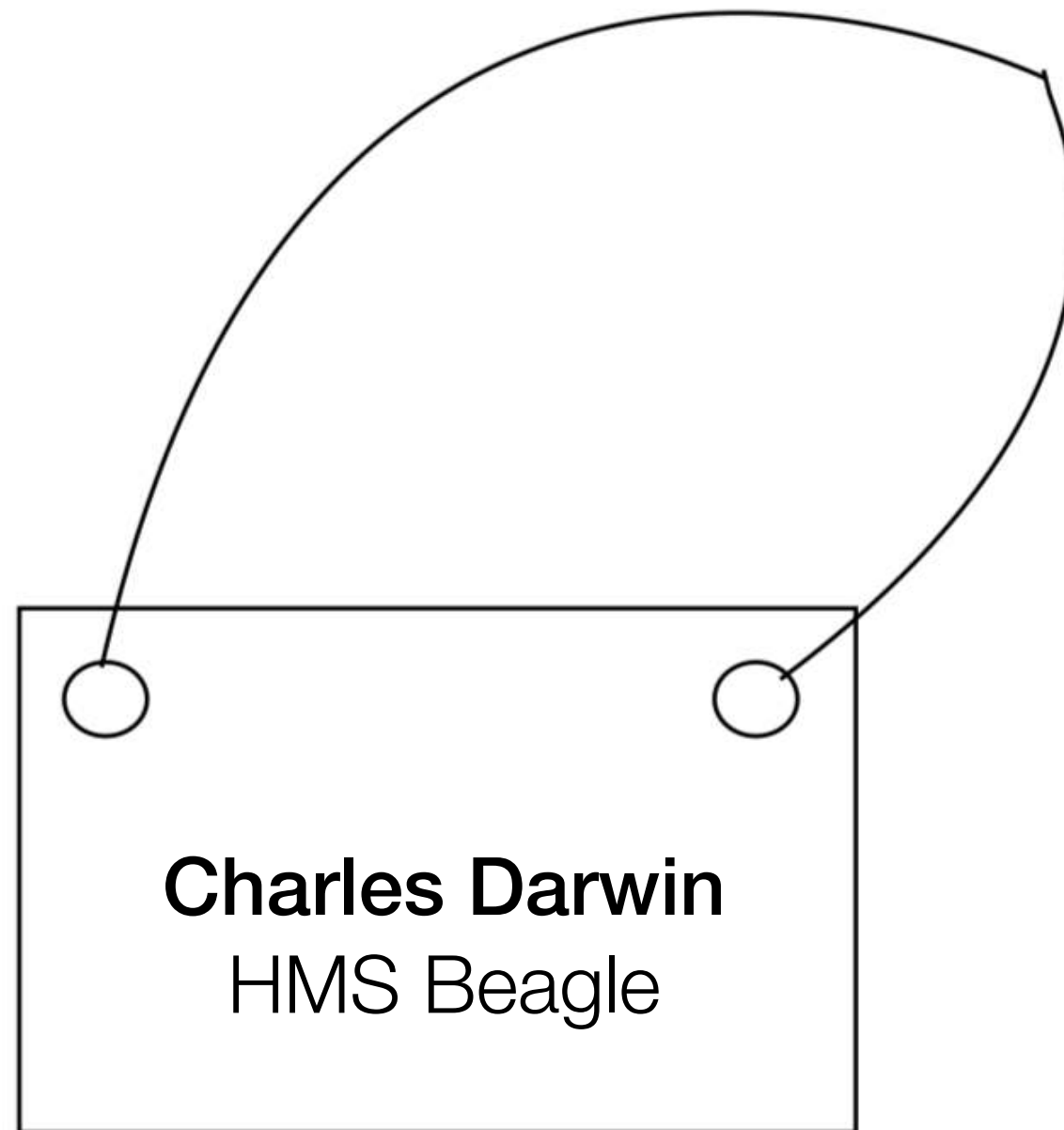
[Faculty Lunches](#)



# scientific speed networking

- tonight: Location TBD (19:30)
- goals:
  - get to know each other
  - identify shared interests
  - learn approaches and methods other participants work with

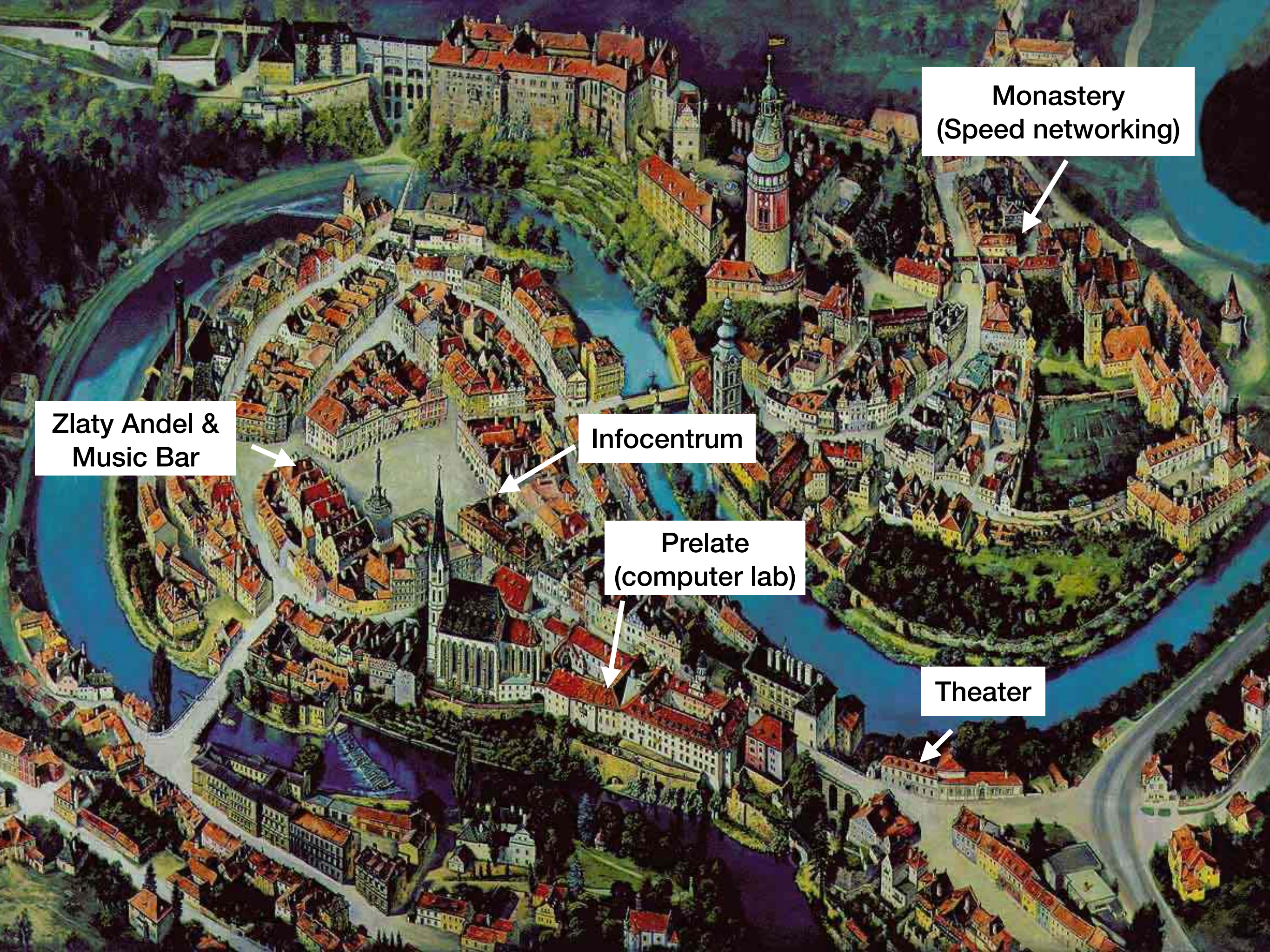
# wear your name tag!



# next

- information from Daniel Kintzl
- group photo
- walk to house of prelate
- Extended 1st day lunch break
- 14:00 (2pm) lecture from Sonya (here)
- 19:30 (7:30pm) speed networking (location TBD)





Monastery  
(Speed networking)

Zlaty Andel &  
Music Bar

Infocentrum

Prelate  
(computer lab)

Theater



thank you and  
WELCOME!

