

## workshop on genomics

Český Krumlov 6-19 January, 2019

## objectives

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

## f.a.q.

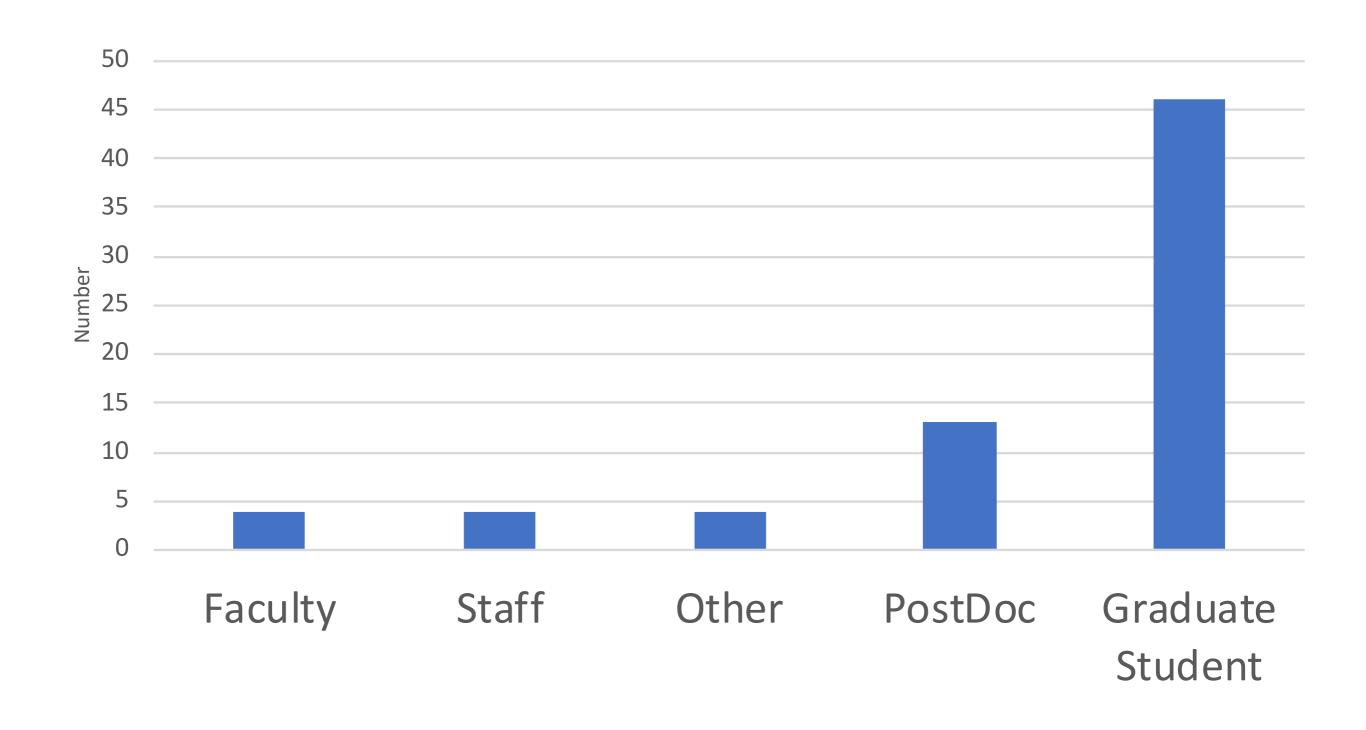
- where are the restrooms?
- coffee breaks?
  - approx. 10:00 in the Theatre Cafe
  - anytime in House of Prelate (Computer Lab)
  - functional coffee and tea only. No half-calf-decaf-double-mocha-pour-over-late's!
- where and when to eat?
  - workshop map on the main schedule page
  - information from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



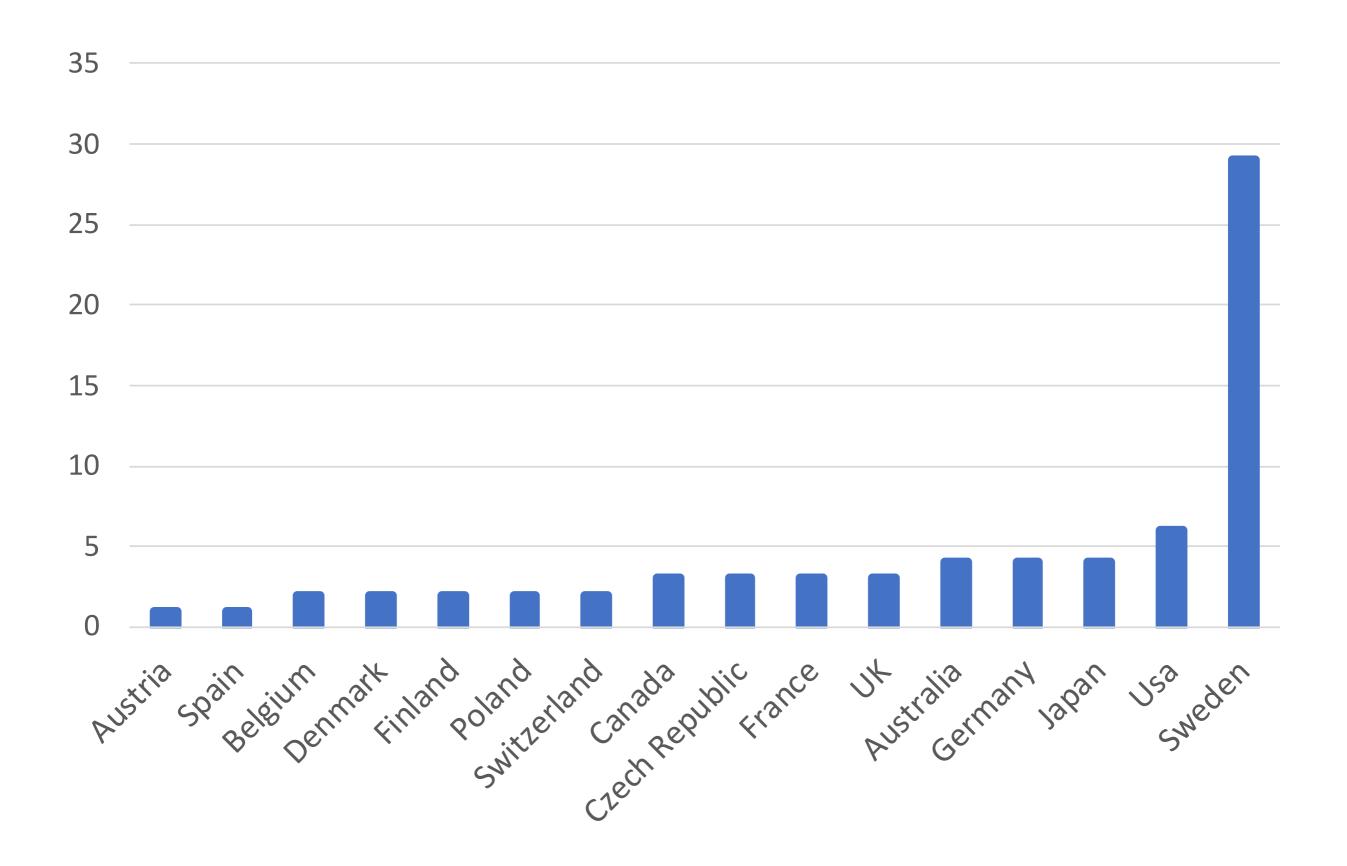
who

you

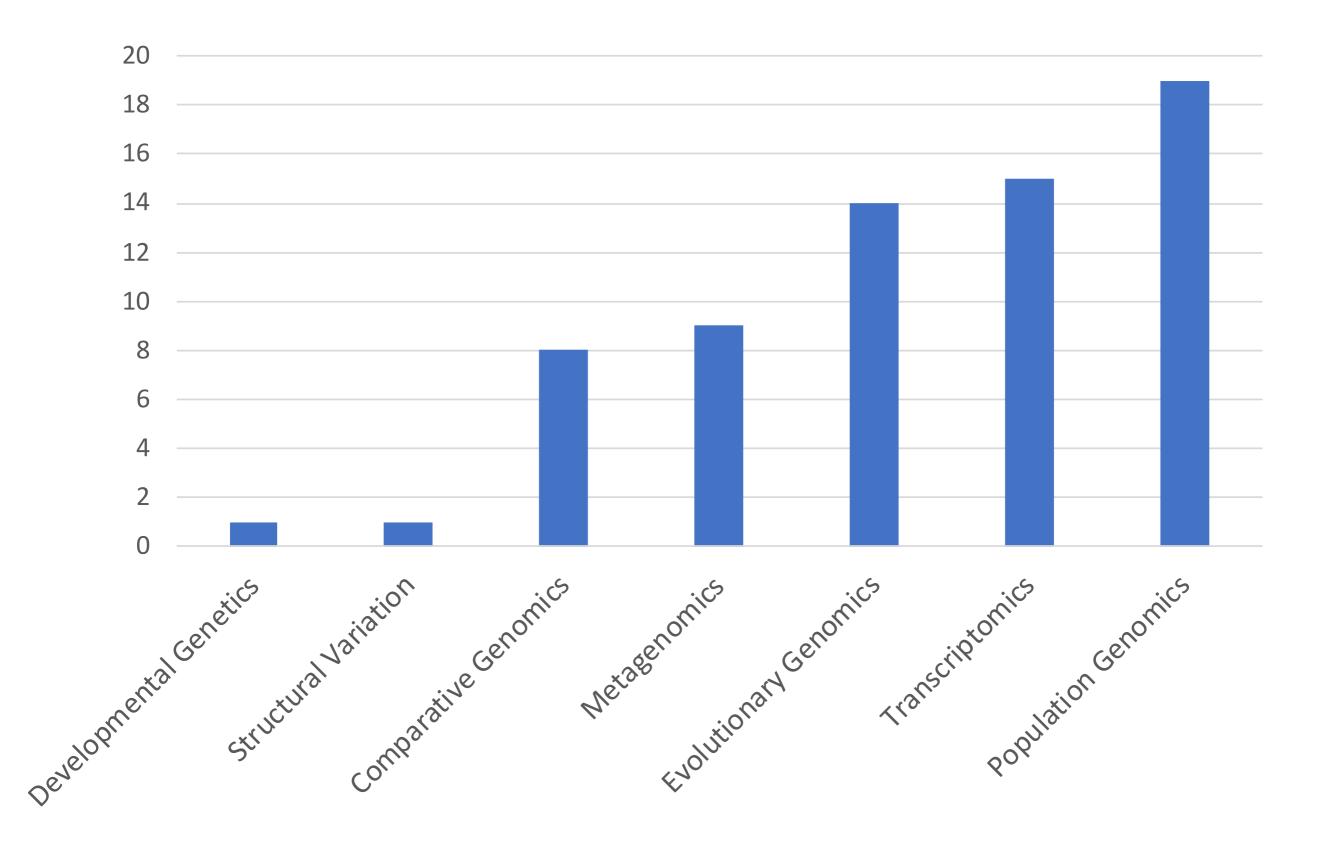
### Professional Level



### Regional Affiliation



### Research Interest



US

## instructors: your new best friends



Andrew



Mahwash



Karin



Alyssa



Joan

## co-directors







Sophie



Brian



Josie



Sonya



Scott



Guy

## Previous Co-directors







# faculty: week 1



Sonya Dyhrman



Mike Zody



Hannah Tavalire



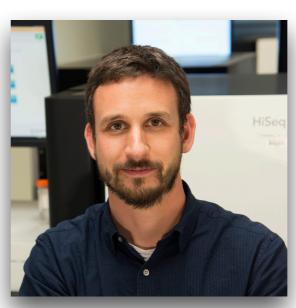
Sophie Shaw



Josie Paris



Rayan Chikhi



Malachi Griffith



Zach Skidmore

## faculty: week 2



Bill Cresko



Julian Catchen



Amy Willis



Daniel McDonald



Brian Haas



**Antonis Rokas** 



Chris Wheat

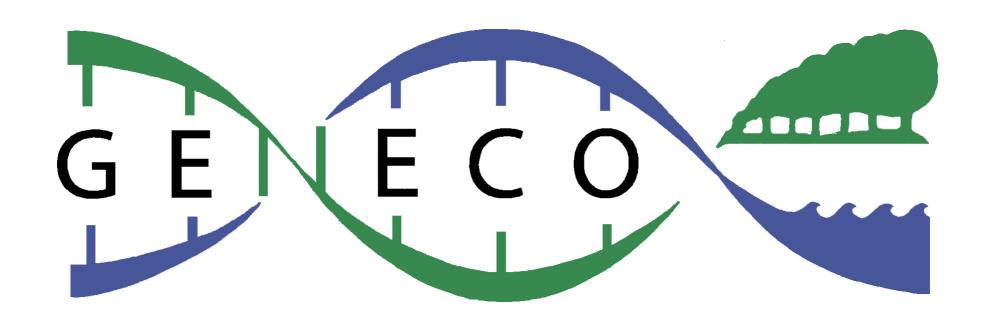
## faculty lunches

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

#### Miscellaneous

- Instance Addresses
- Faculty lunch •
- Scientific speed networking
- T-shirt competition

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
- GENECO was funded by the Swedish Research Council, from 2013 by the Faculty of Science, Lund University

## GENECO program

#### PhD students & content

- Universities in Sweden, Norway, and Finland
- Activities: Annual Winter & Summer Meetings, PhD courses, Mentor programs, travel grants

### **Courses**

- Understanding population genetics
- Using Phylogenetic Trees to Study Trait Evolution
- High-Dimensional Data Analysis in Ecology and Evolutionary Biology Using R
- Quantitative PCR

see www.biology.lu.se/geneco

## Sponsor of Workshop on Genomics





### National Bioinformatics Infrastructure Sweden

Short term support: (300+ projects)

Long term support: 500 hours (20+ projects)

Bioinformatics compute and storage (UPPNEX) specifically for NGS data

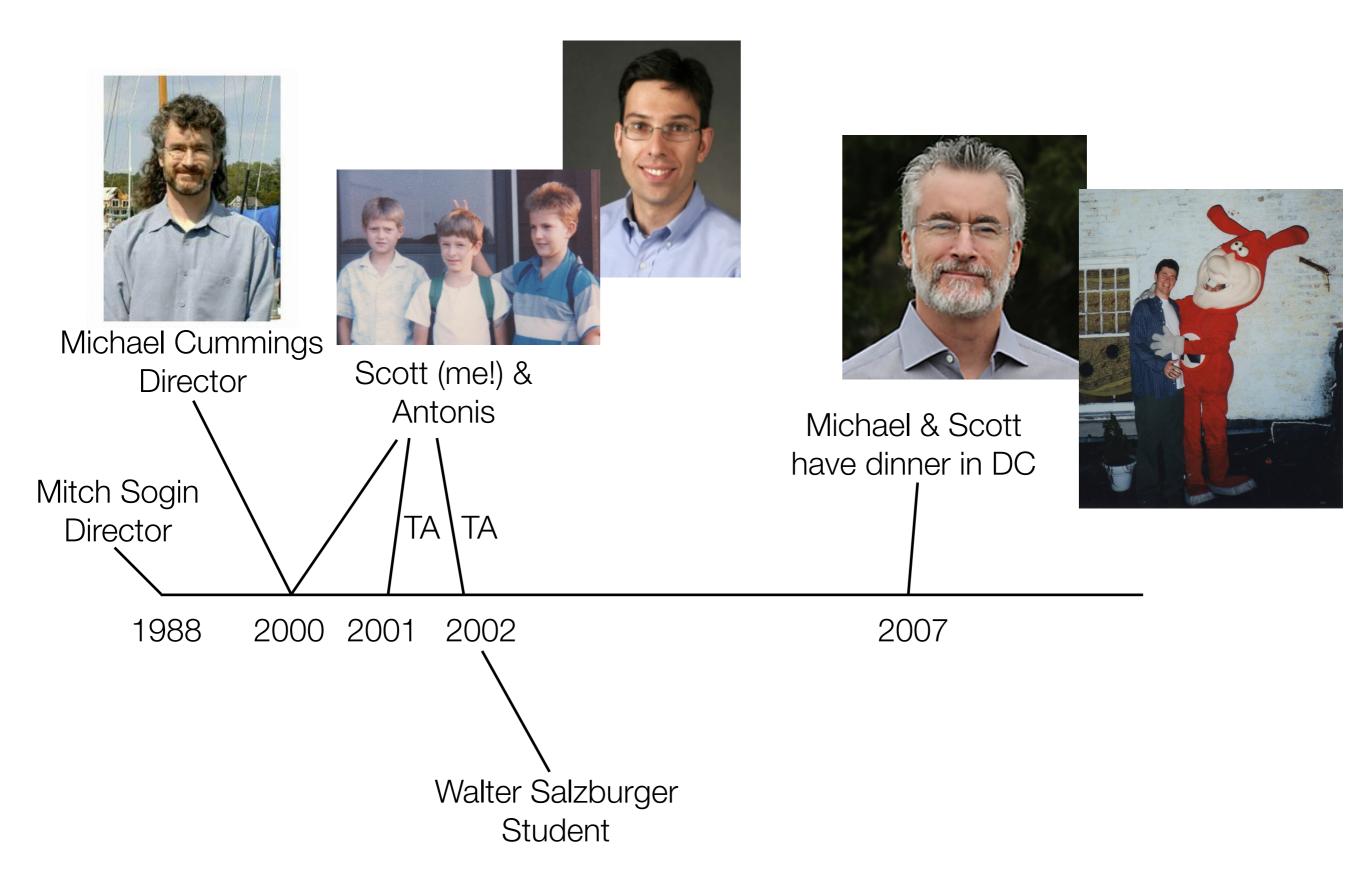
NBIS provides infrastructure and tools for:

- Bioinformatics analyses
- Bioinformatics training and workshops
- Advisory Programme for PhD students

Nodes at each of the 6 large Swedish university cities See www.nbis.se what history concepts history

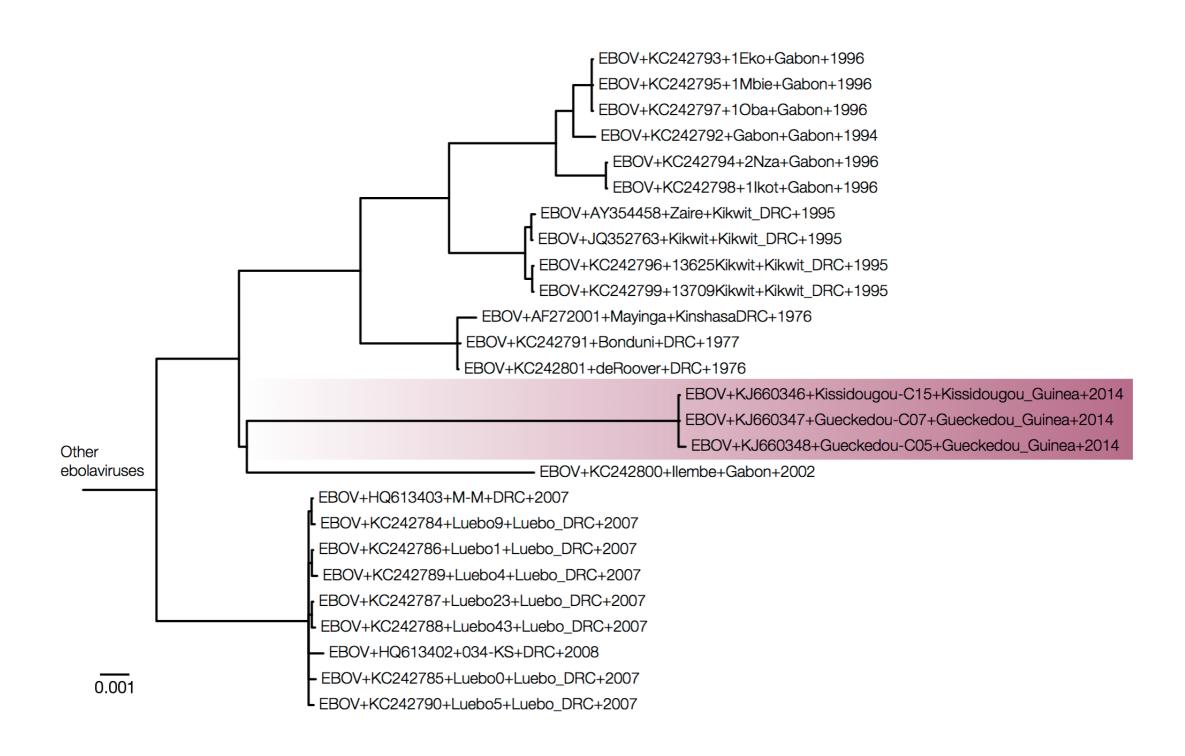


### Woods Hole Workshop on Molecular Evolution





## CDC loves trees



why Český Krumlov?



what is a Cheskie Kroomlav?

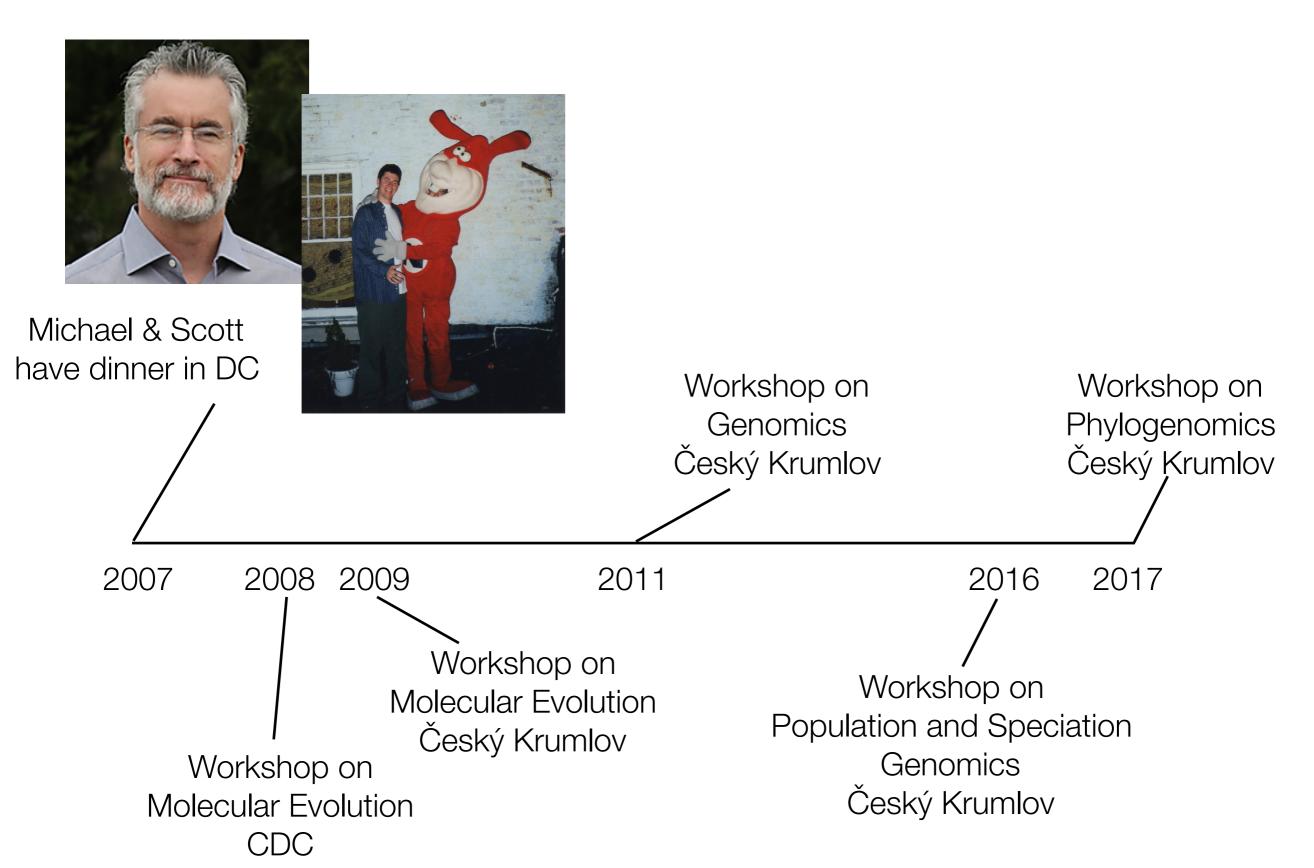


# why Český Krumlov?

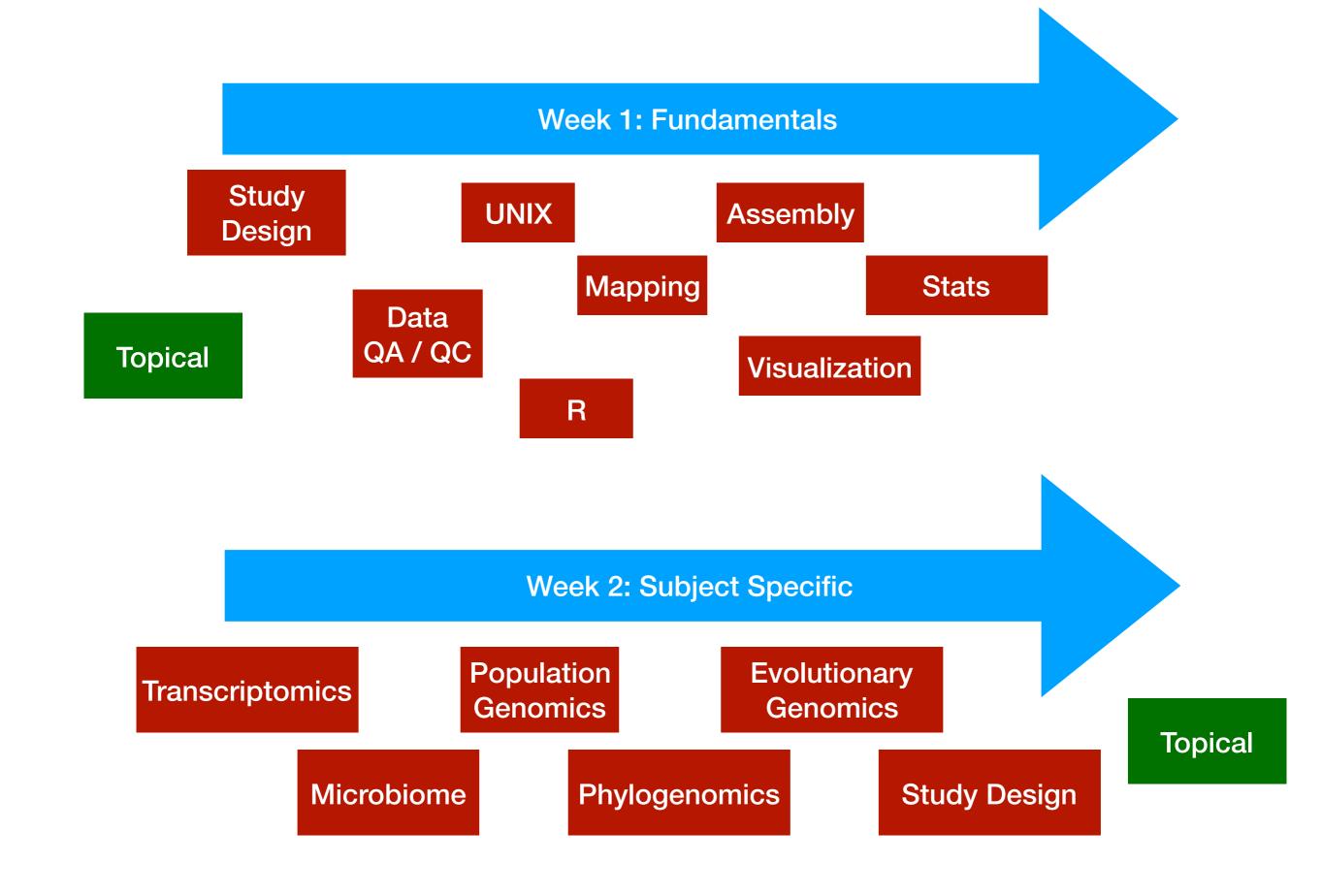
- reasonably priced
- relatively close to major airports
- three I's
  - Isolated
  - Idyllic
  - Infrastructure
- support from the local community



# workshops go global



concept



### schedule in detail

http://evomics.org/workshops/workshop-on-genomics/2019-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 at Depot for dinner
- Sunday
  - free day. More information from Daniel Kintzl shortly
- Friday
  - you plan end-of-workshop dinner / party

#### communication during the workshop

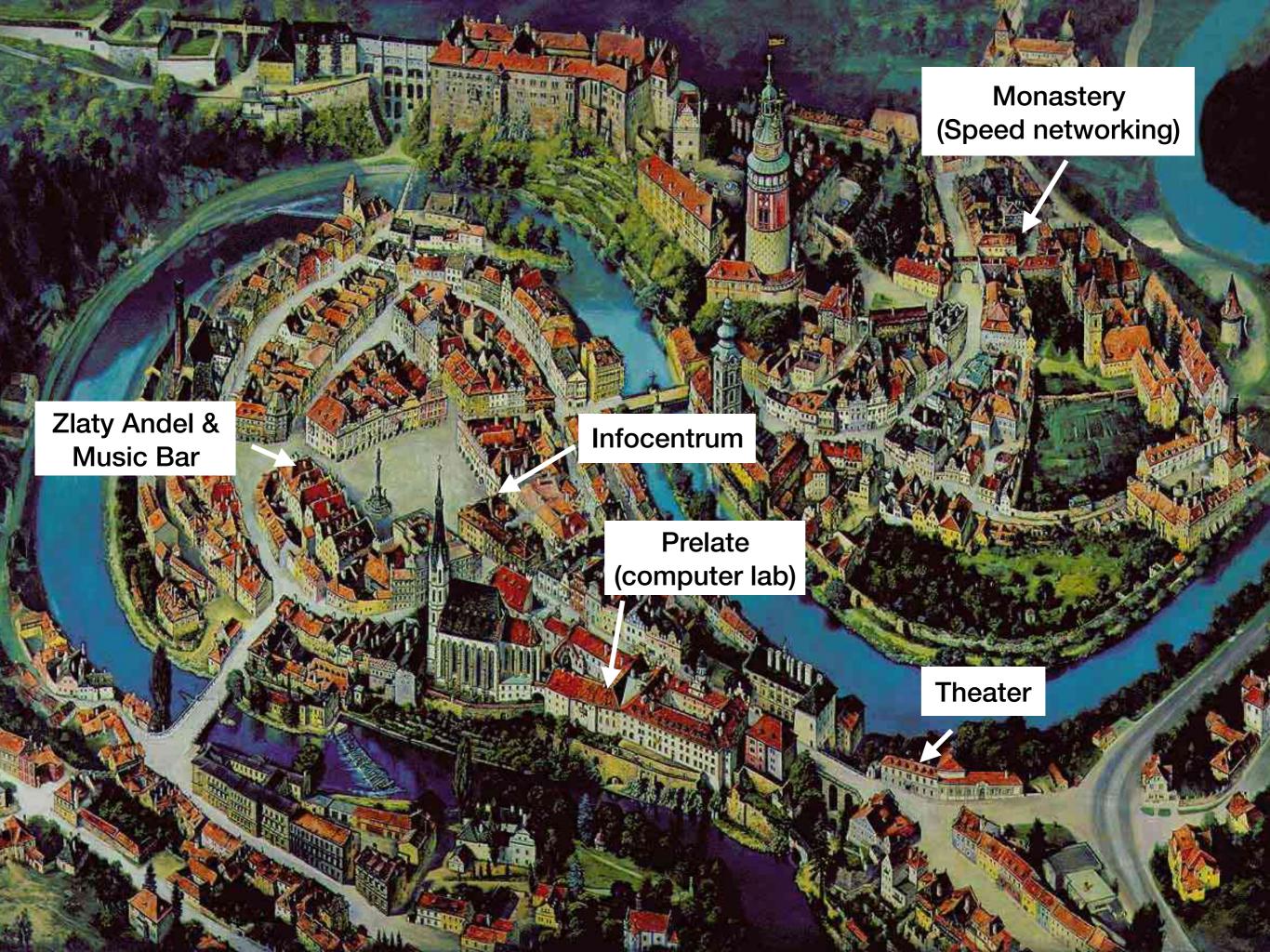
website: <a href="http://evomics.org">http://evomics.org</a>

• twitter: #evomics2019

facebook: Workshop on Genomics

slack: <u>evomics2019.slack.com</u>

key locations



expectations

#### phenomena

- exhaustion
  - watch your health
    - stay hydrated
    - let a staff member know if you are not feeling well
- 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



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



#### 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



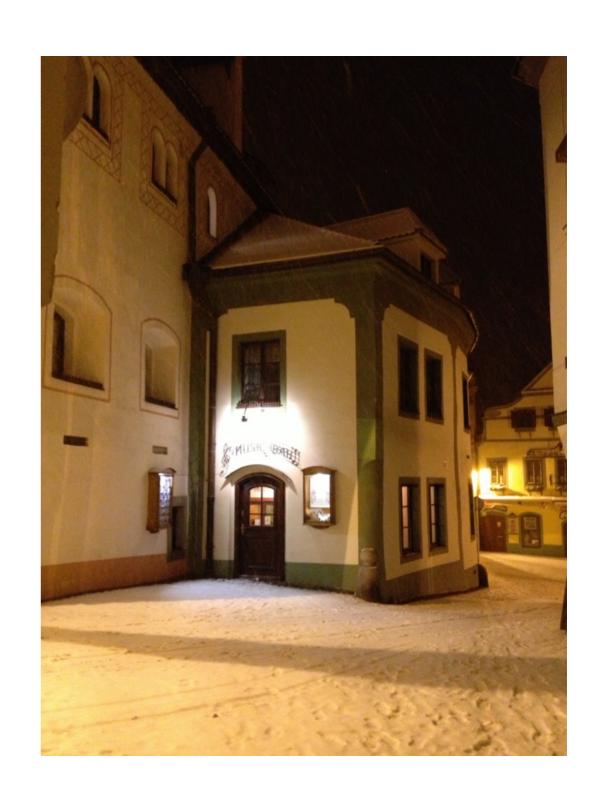
# lab policy

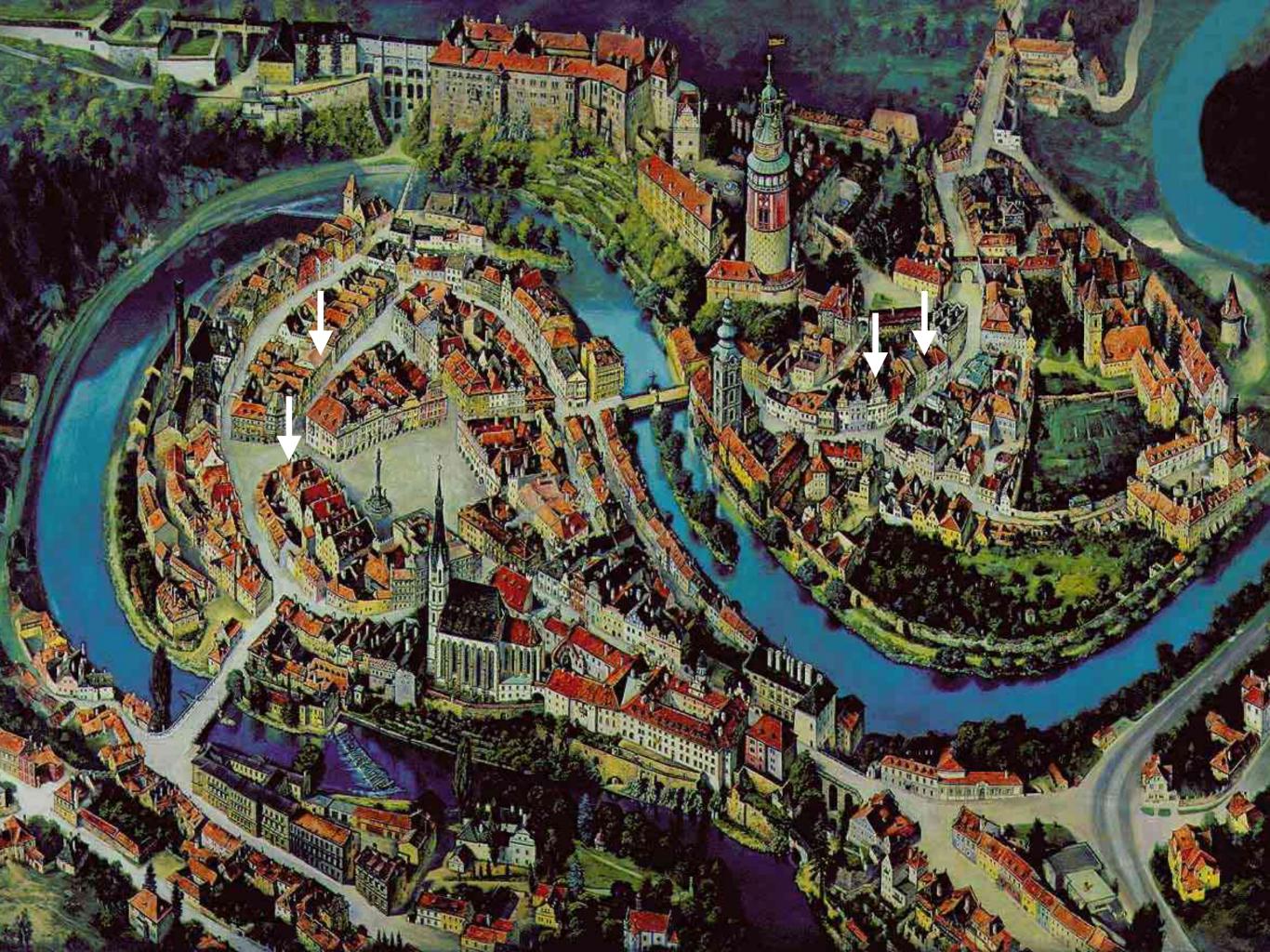
- no food or drink inside the computer hall
- wipe feet before entering
- coats in the coatroom
- do not touch the walls (frescoes) - painter died in 1791
- strict arrival and departure times
- wash your own coffee mugs



#### post lab discussions

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





miscellany

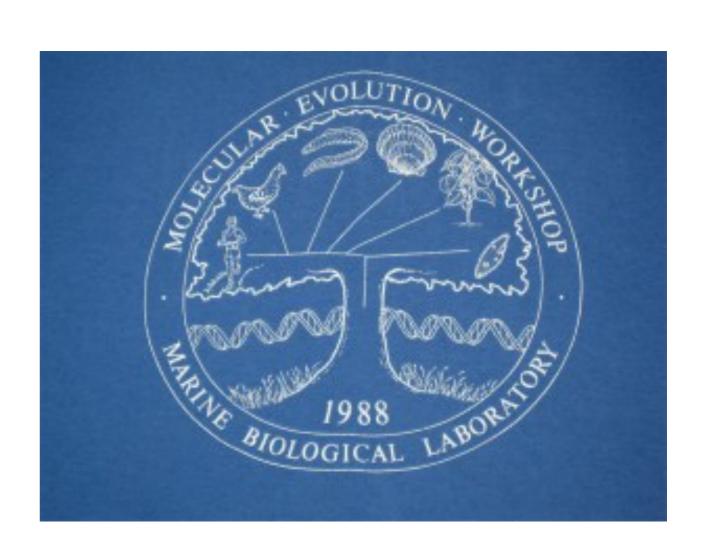
# t-shirt competition

- top design will be awarded with a special gift from the town
- submit by THURSDAY, 10-January!

#### Miscellaneous

- Instance Addresses
- Faculty lunch
- Scientific speed networking
- T-shirt competition





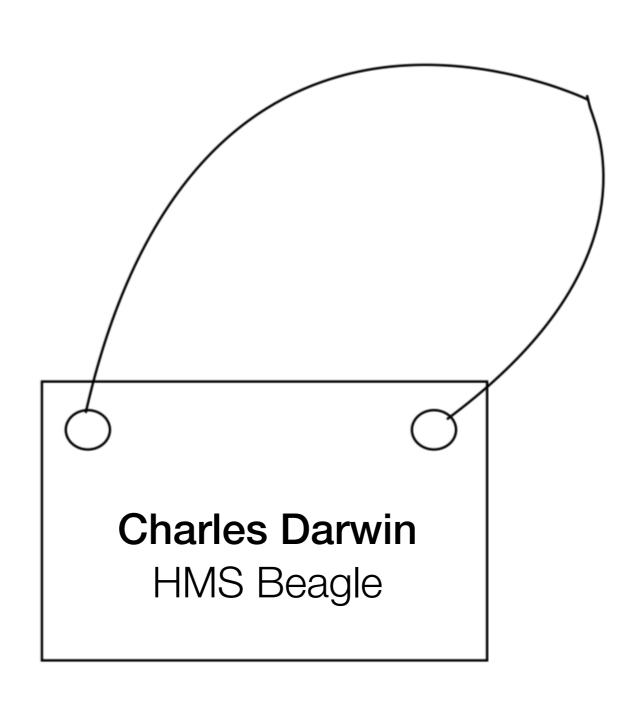
# workshop BINGO

Workshop on Genomics 2019 BINGO!			#evomics2019	
Tell a pun to Karin	Tried 5 different Czech beers	Worn name tag visible every day	Tried Becherovka	Had Tredlnik
Did Yoga or Castle Run	Get Rayan to say "De Bruijn graph"	Workshop dinner and party	Joined in a faculty lunch	Do the macarena with Sophie
Tweeted using the #evomics2019 hashtag	Give Andrew a 30 sec synopsis of another student's research	Registration party	Helped neighbour with exercise	Contributed to T-shirt competition
Arrived on time for every lecture	Command failed because in wrong directory	Had a Mojito with Guy	Asked a question after a lecture	Learned 5 Czech words/phrases
Eat at the Meat Dungeon	Danced with the TAs/faculty	Seen someone asleep in a lecture	Tea with Josie	Find true nationality of 10 instructors / directors

#### scientific speed networking

- tonight: Monastery (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 (Monastery)



