

workshop on phylogenomics

Český Krumlov January 20 – February 2, 2019

objectives

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

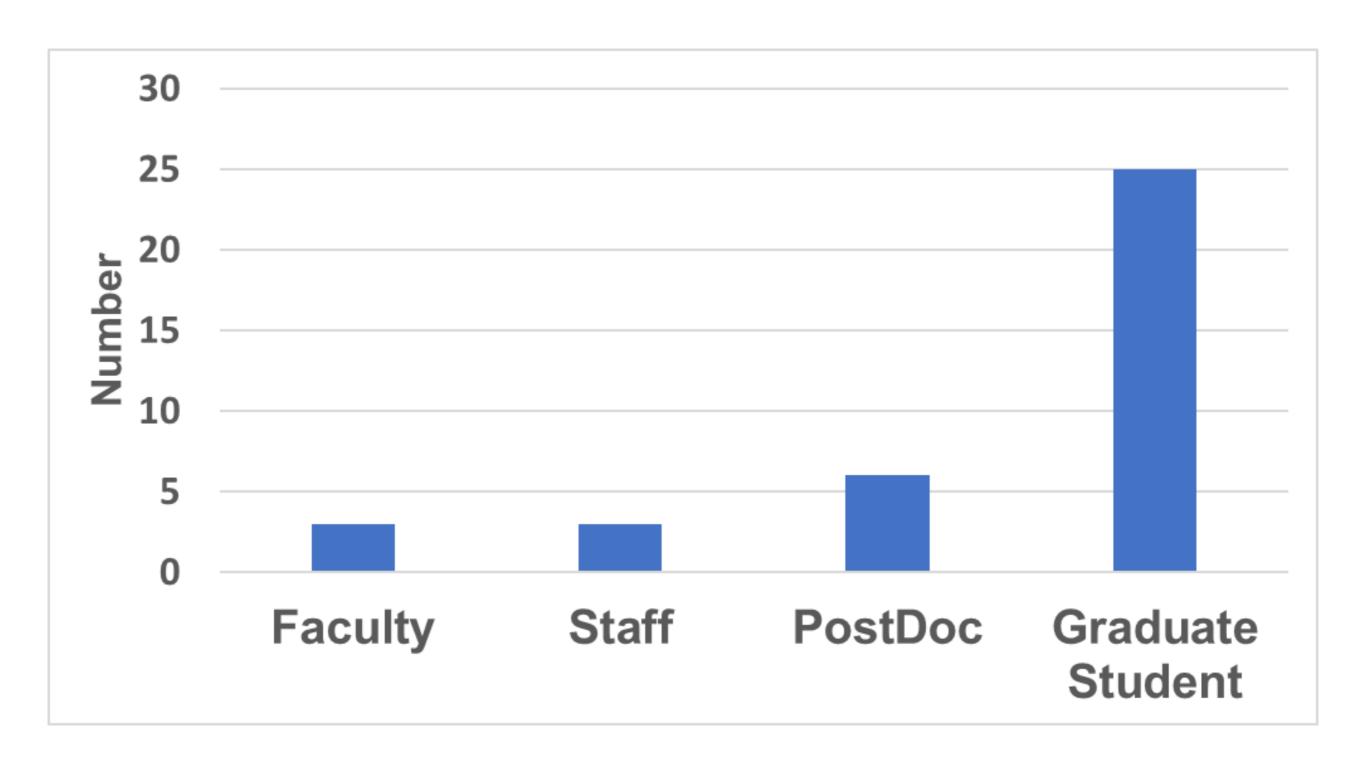
f.a.q.

- 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?
 - information from Daniel Kintzl
 - ask the team
 - times: 12-14, 17-19
 - late night dining options are limited

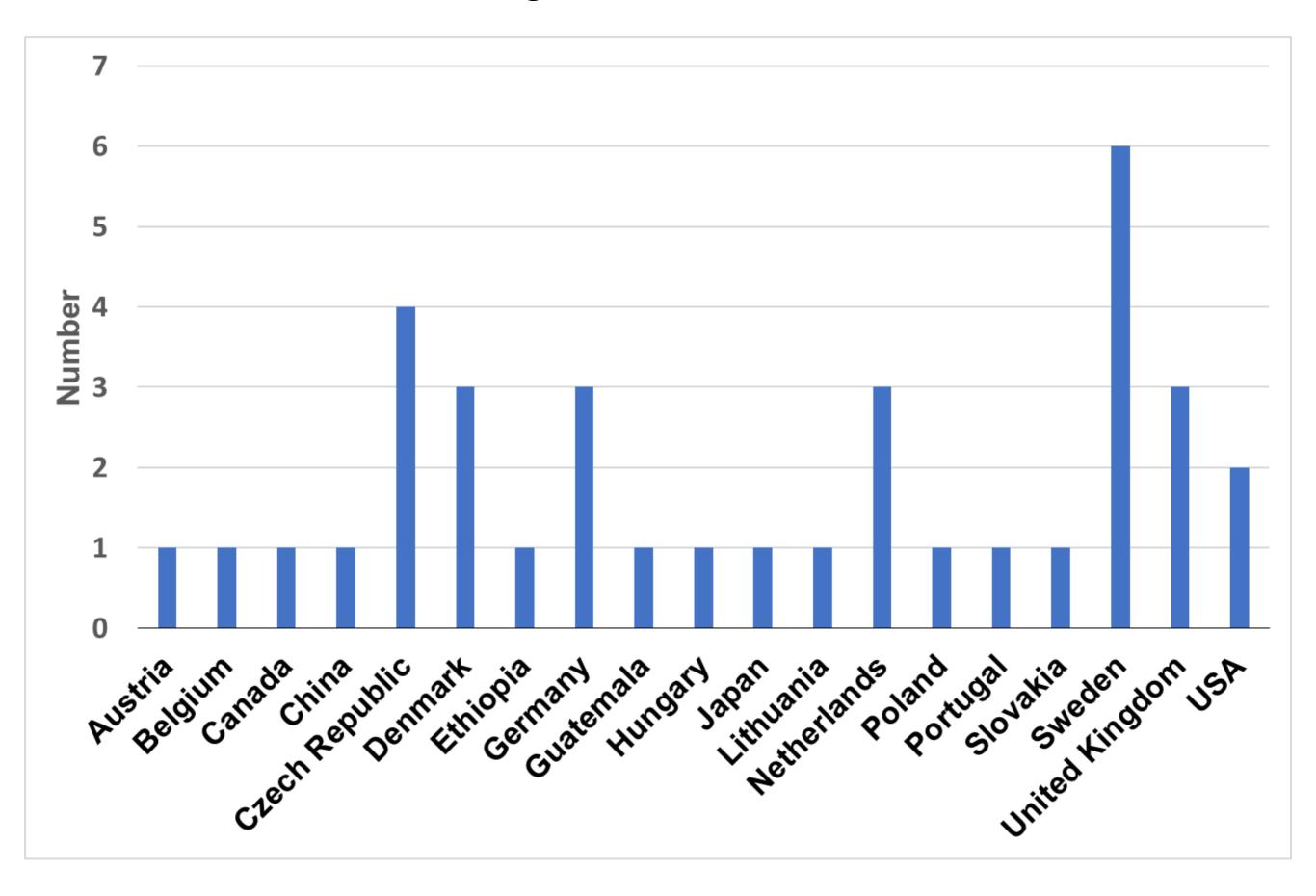


you

Professional Level



Regional Affiliation



US

instructors: your new best friends









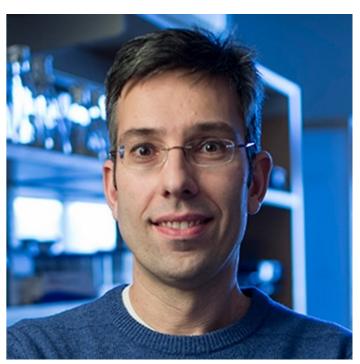
Marina Lisa Eric Jacob

co-directors









Toni Anna Scott Antonis

faculty: week 1



Xiaofan Zhou



Alexey Kozlov



Stephen Crotty



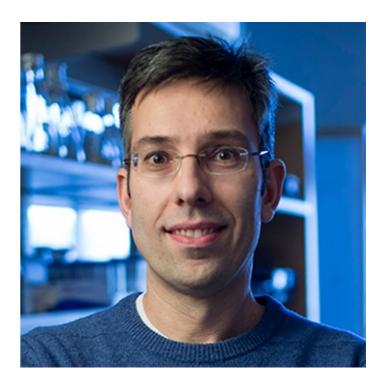
Celine Scornavacca



Laura Kubatko



Toni Gabaldon



Antonis Rokas

faculty: week 2



Mario dos Ries



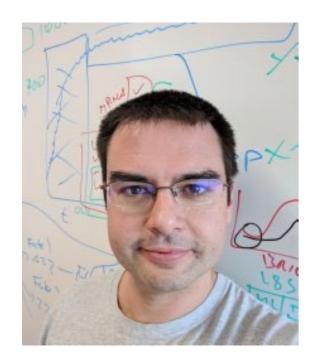
Tracy Heath



László Garamszegi



Jason Stajich



Jordi Paps



Anna Karnkowska



Martin Kolisko



Gergely J. Szöllősi

faculty lunches

- outstanding opportunity to network with faculty
- some faculty are only here for a short period of time (you can check this at the course website), so take advantage of the lunch

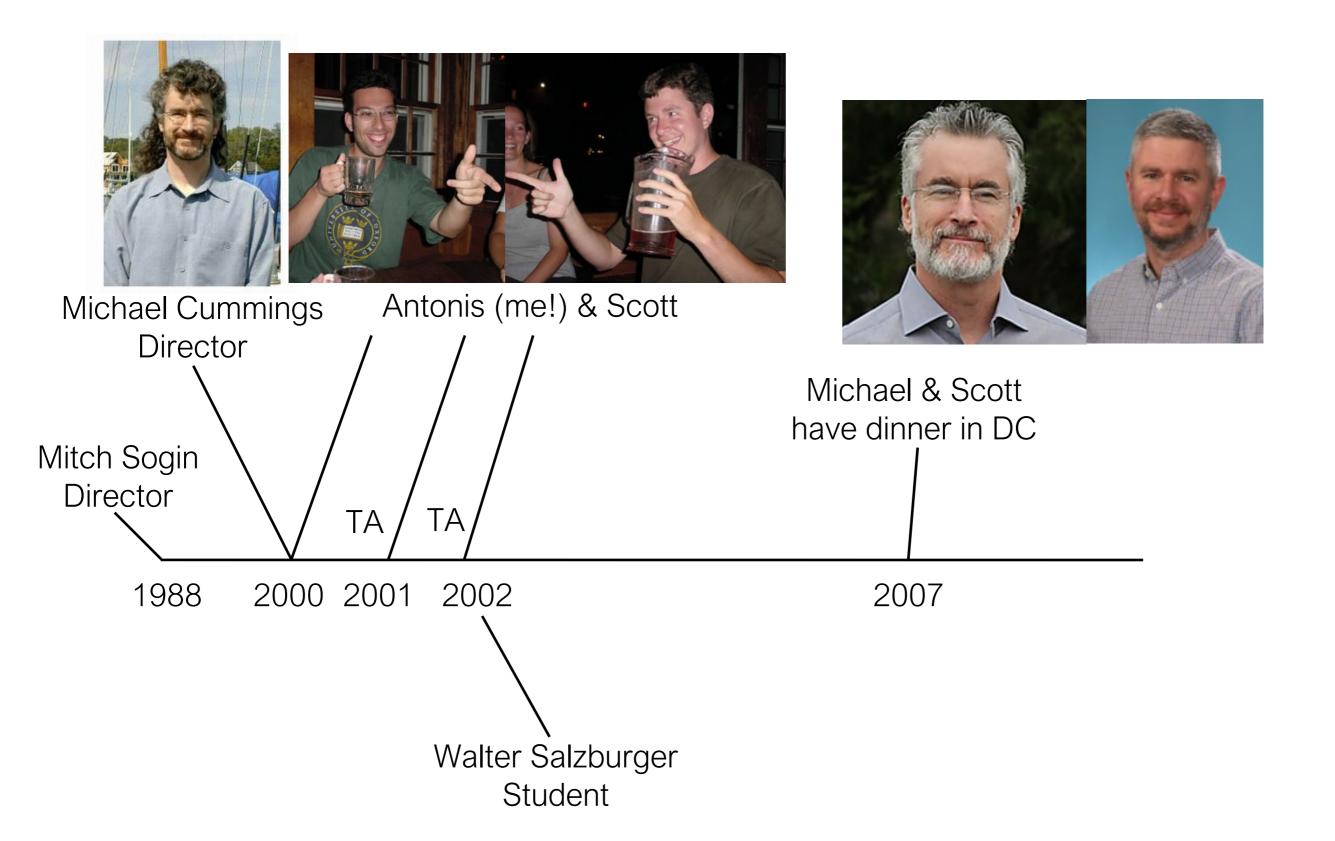
Miscellaneous

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

what history concepts history

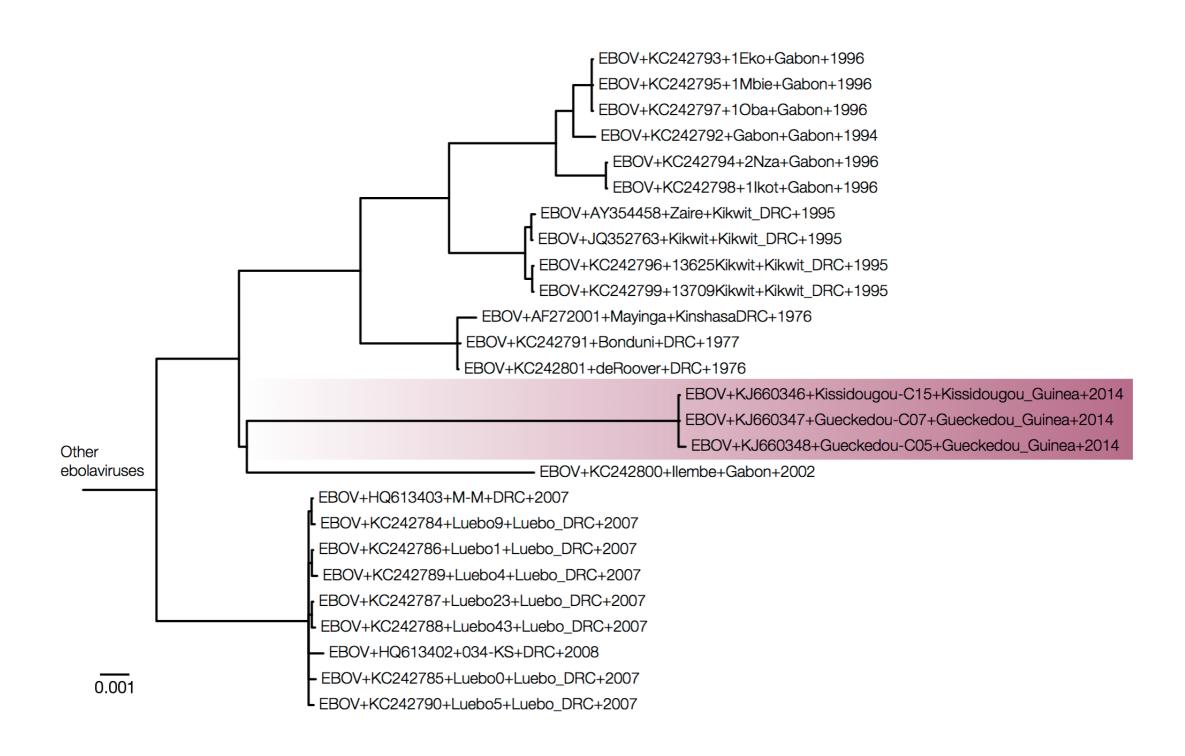


Woods Hole Workshop on Molecular Evolution





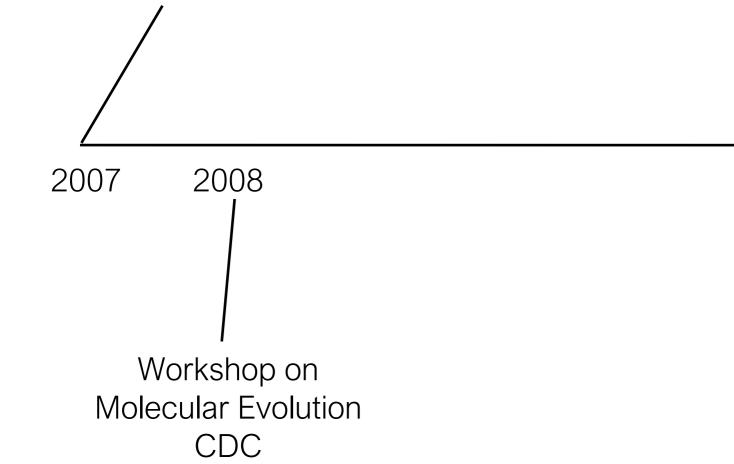
CDC loves trees



workshop at CDC



Michael & Scott have dinner in DC



Workshops go global



what is a Cheskie Kroomlav?



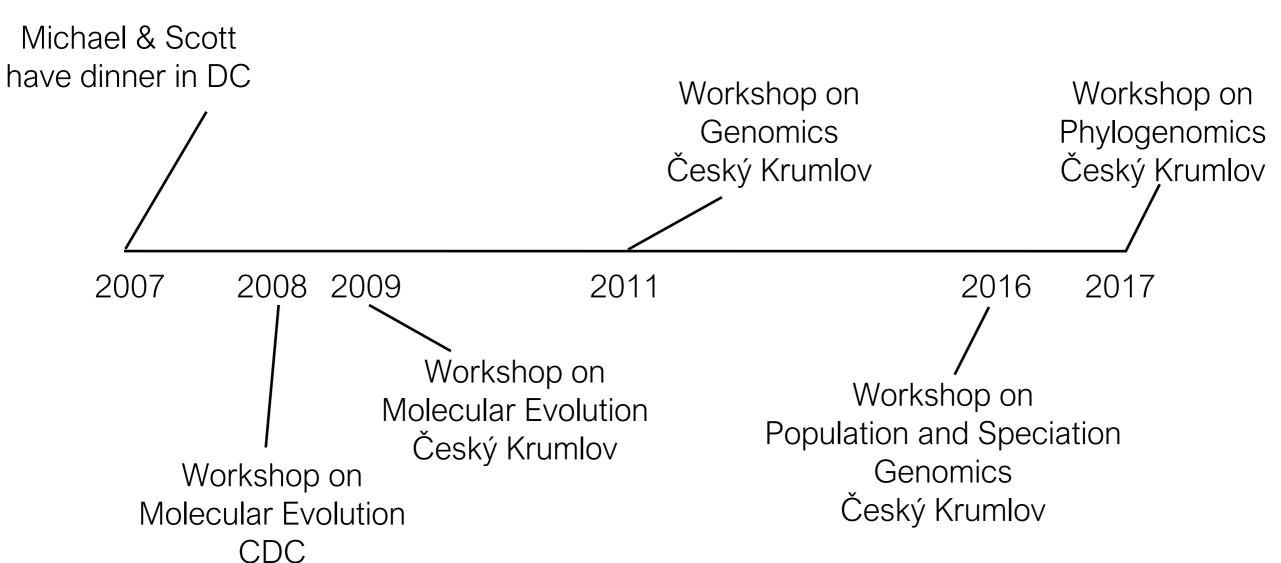
why Český Krumlov?

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



workshops go global





concept

Week 1: Fundamentals

UNIX

Multiple Sequence
Alignment

Finding
Orthologs

Building Data
Matrices

Visualizing Trees

Methods & Software

RAxML IQTree Phylobayes Concatenation

Coalescence

Phylogenetic Networks

Week 2: Major Research Directions

Molecular Dating

Genome Evolution

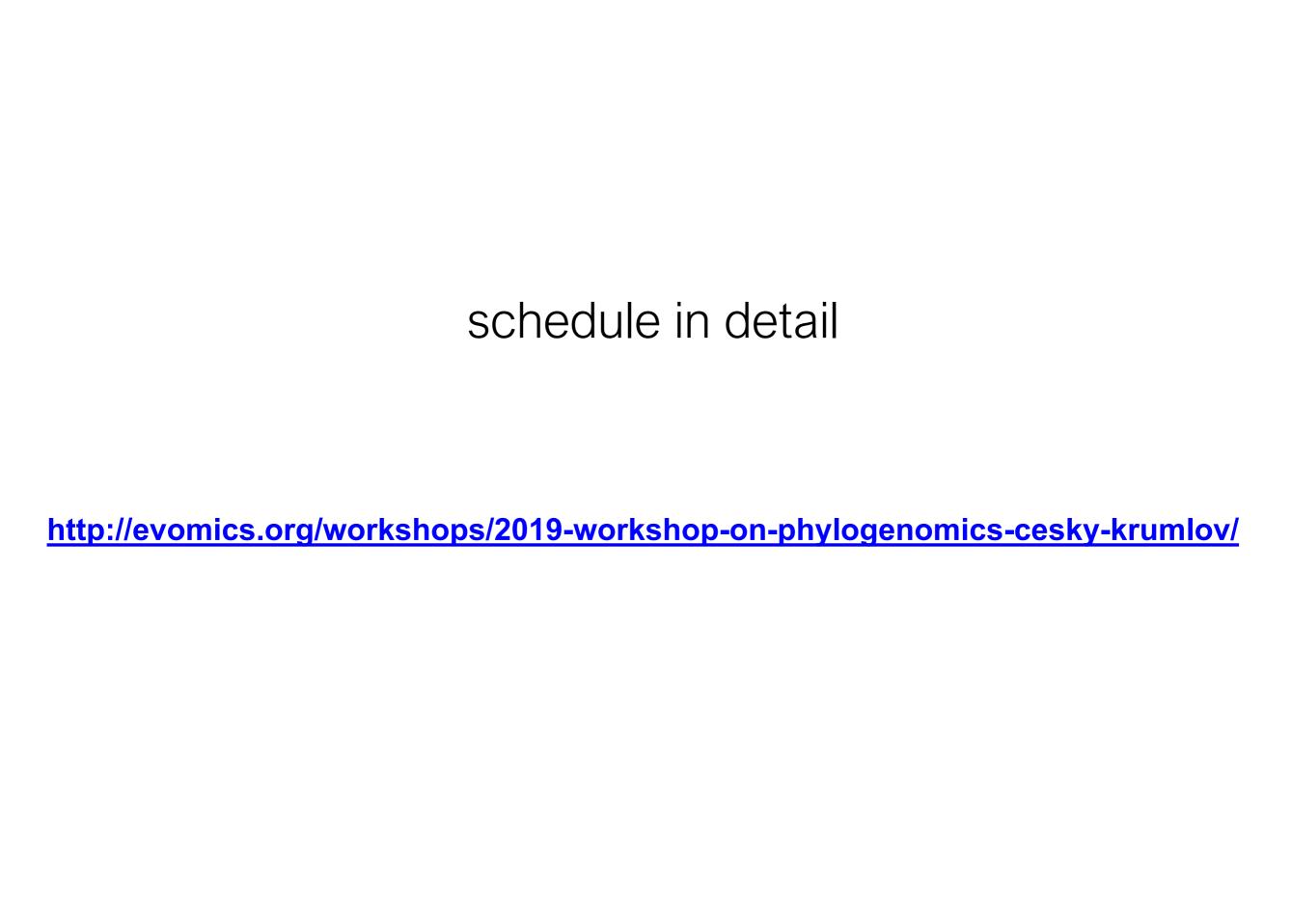
Evolution of Eukaryotes

Trait Evolution and Ancestral

Trait Reconstruction

Gene Family Evolution

Detecting HGT



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 (on us!)
- Sunday
 - free day. More information from Daniel Kintzl shortly
- Friday
 - you plan end-of-workshop dinner / party

communication during the workshop

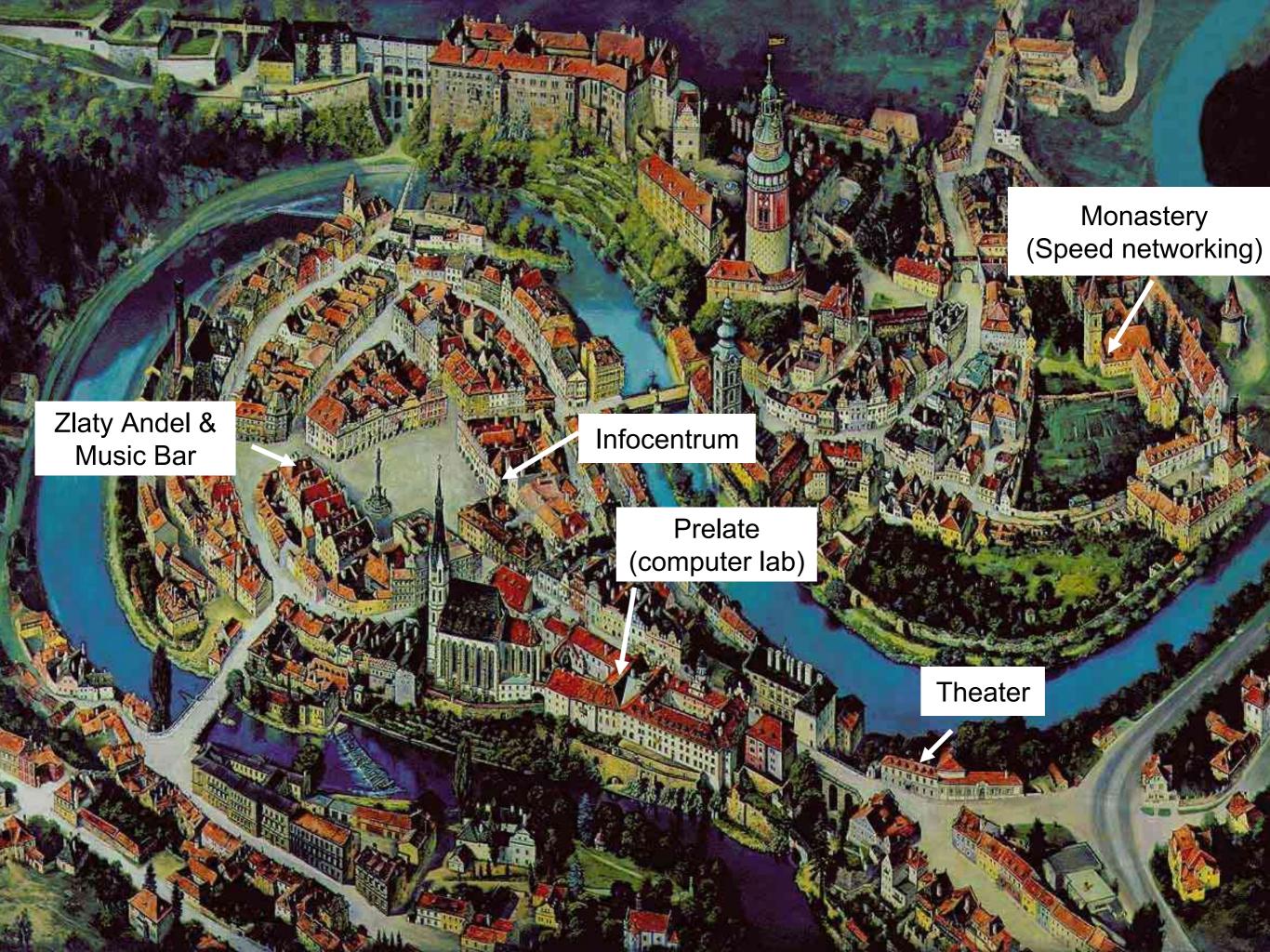
website: http://evomics.org

• twitter: #evomics2019

facebook: Workshop on Phylogenomics

slack: <u>phylogenomics2019.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
- You will get a certificate at the end of the course (if you need a custom form, please let Scott know after the end of the course
- 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 (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



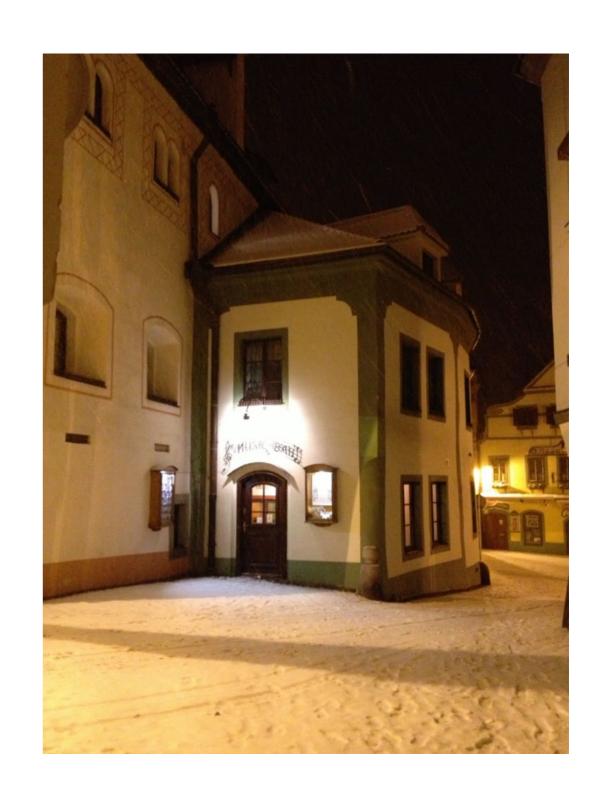
lab policy

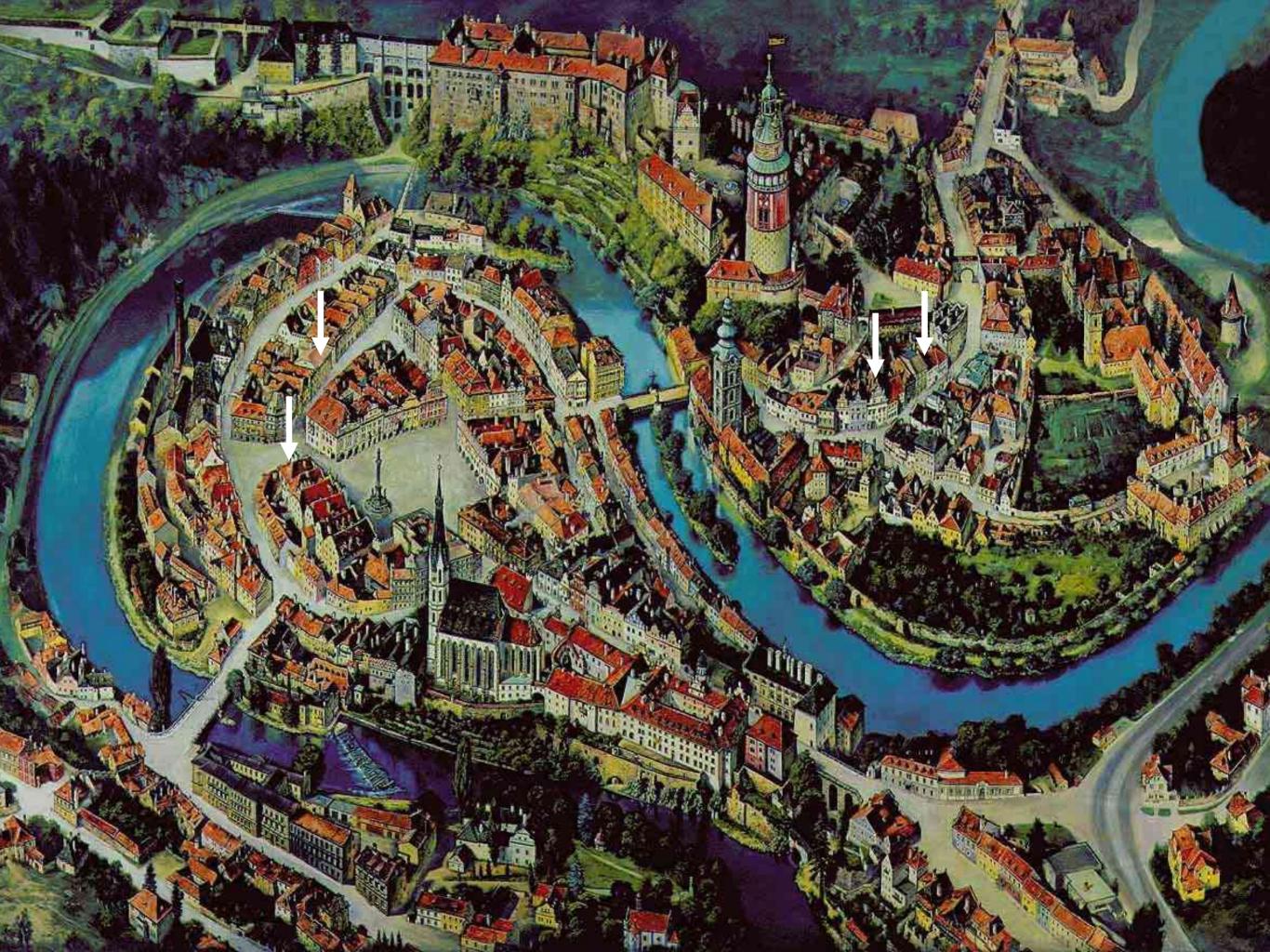
- no food or drink inside the computer hall
- wipe feet before entering
- coats in the coatroom
- do not touch the walls (frescoes) - painter died in 1791
- strict arrival and departure times
- wash your own coffee mugs



post lab discussions

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





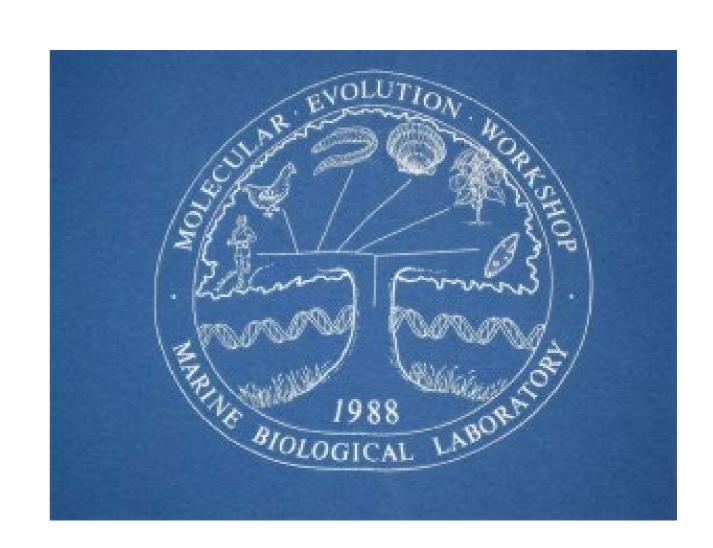
miscellany

t-shirt competition

- top design (pdf please!) will be awarded with a special gift from the town
- submit by THURSDAY, 24-January!

Miscellaneous

- Instance Addresses
- Faculty lunch
- Scientific speed networking
- T-shirt competition
- New this year: make your own mug



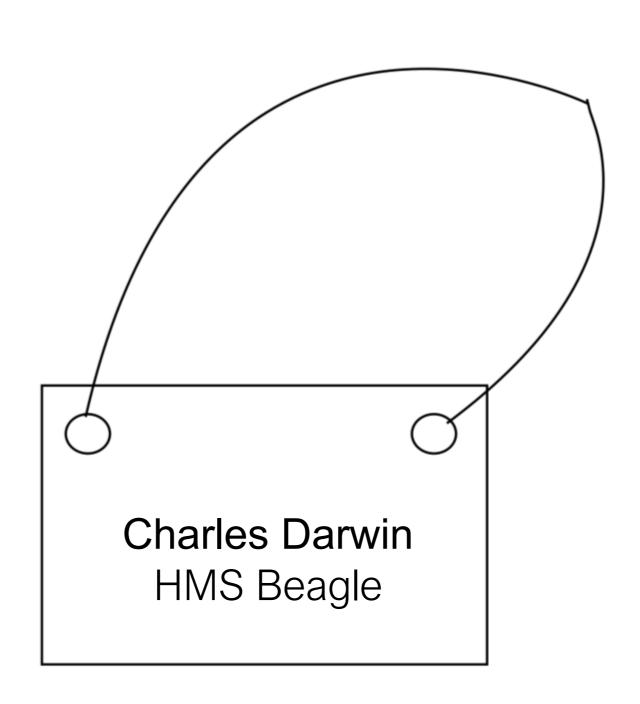
workshop BINGO

Workshop on Phylogenomics 2019 BINGO! #evomics2019				
Contributed to T-shirt competition	fortune cowsay	Did Yoga or Castle Run	Had Trdelnik	Worn name tag visible every day
Tweeted using #evomics2019	Had pivo with a faculty	Asked a question to one of the talks or practicals	Found who of the course organizers has Czech ancestors	Internet went down during exercise
Ate at Meat Dungeon	Learned 5 Czech words	Registration party!	Proposed a discussion topic for Open Lab	Stayed in the pub longer than Toni
Danced with one of the TAs	Found out nationality of instructors / directors	Learned 25 people's names	Helped neighbour with exercise	Tried Becherovka or Ginger tea
Joined instructors / directors for a tea/coffee	Attended workshop dinner & party on Jan 26	Joined one of the faculty lunches	Seen someone asleep during lecture	Ate soup in a breadbowl

scientific speed networking

- tonight: Monastery (19:15 go straight there or meet at Infocentrum at 19:00)
- goals:
 - get to know each other
 - identify shared interests
 - learn approaches and methods other participants work with

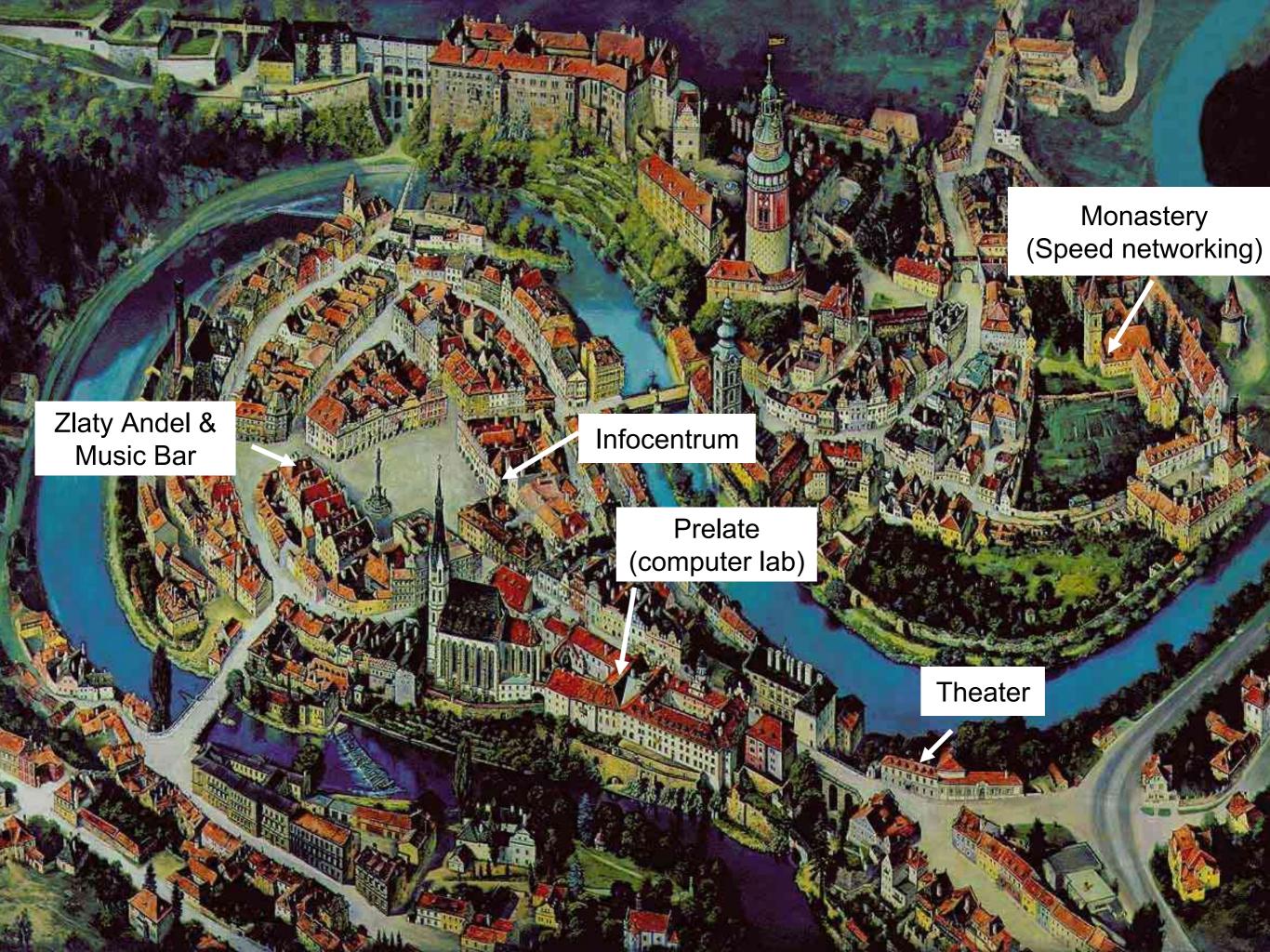
wear your name tag!



next

- information from Daniel Kintzl
- group photo
- walk to house of prelate
- Extended 1st day lunch break
- 14:00 (2pm) introduction to lab at Prelate
- 19:15 (7:15pm) speed networking (Monastery – or 19:00 at Infocentrum)













thank you and WELCOME!

