



workshop on genomics

Český Krumlov
7-20 January, 2018

objectives

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

f.a.q.

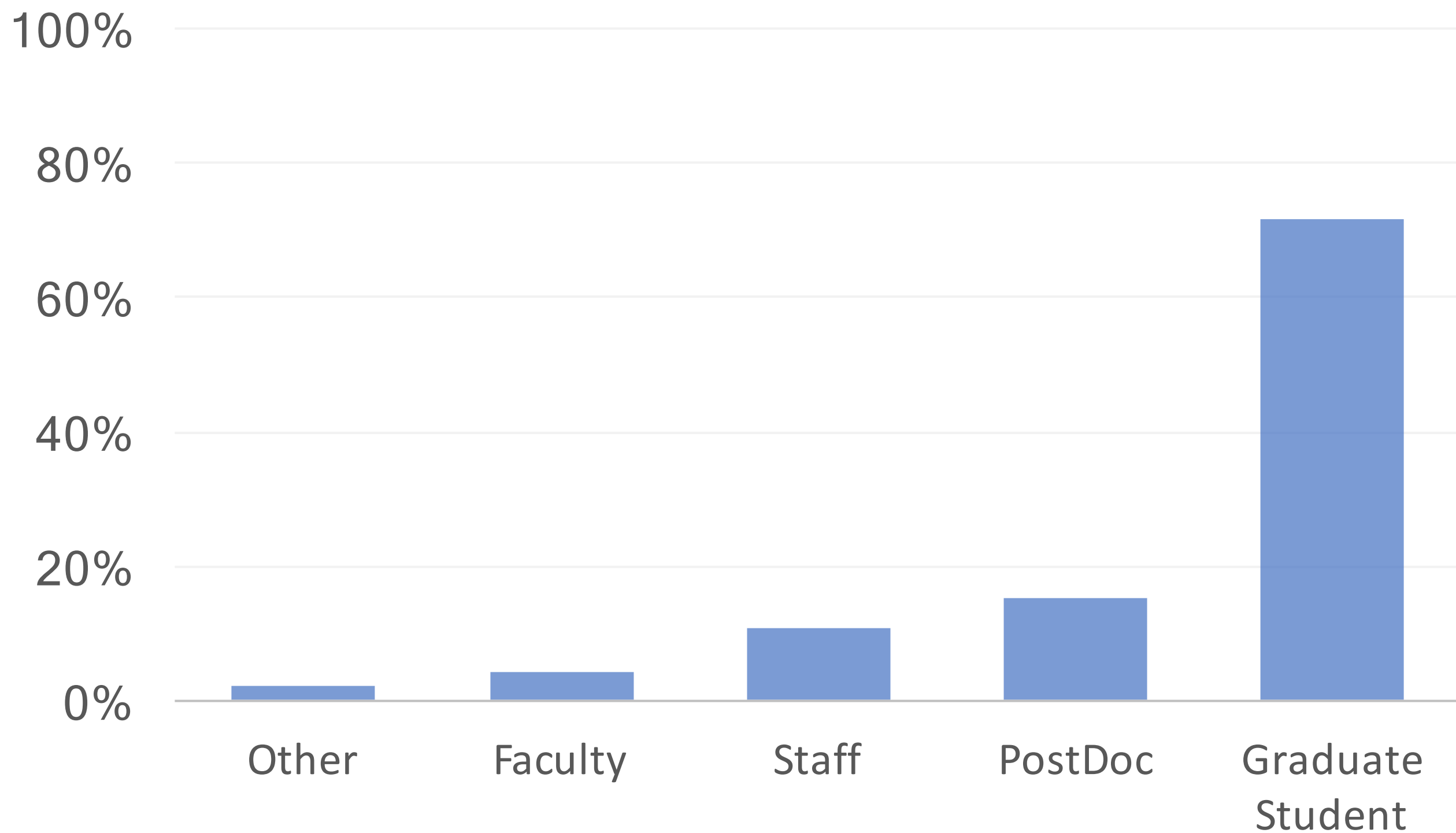
- where are the restrooms?
- coffee breaks?
 - approx. 10:00 in the Theatre Cafe
 - anytime in House of Prelate (Computer Lab)
 - functional coffee and tea only. No half-calf-decaf-double-mocha-pour-over-late's!
- where and when to eat?
 - workshop map on the main schedule page
 - information from Daniel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

who

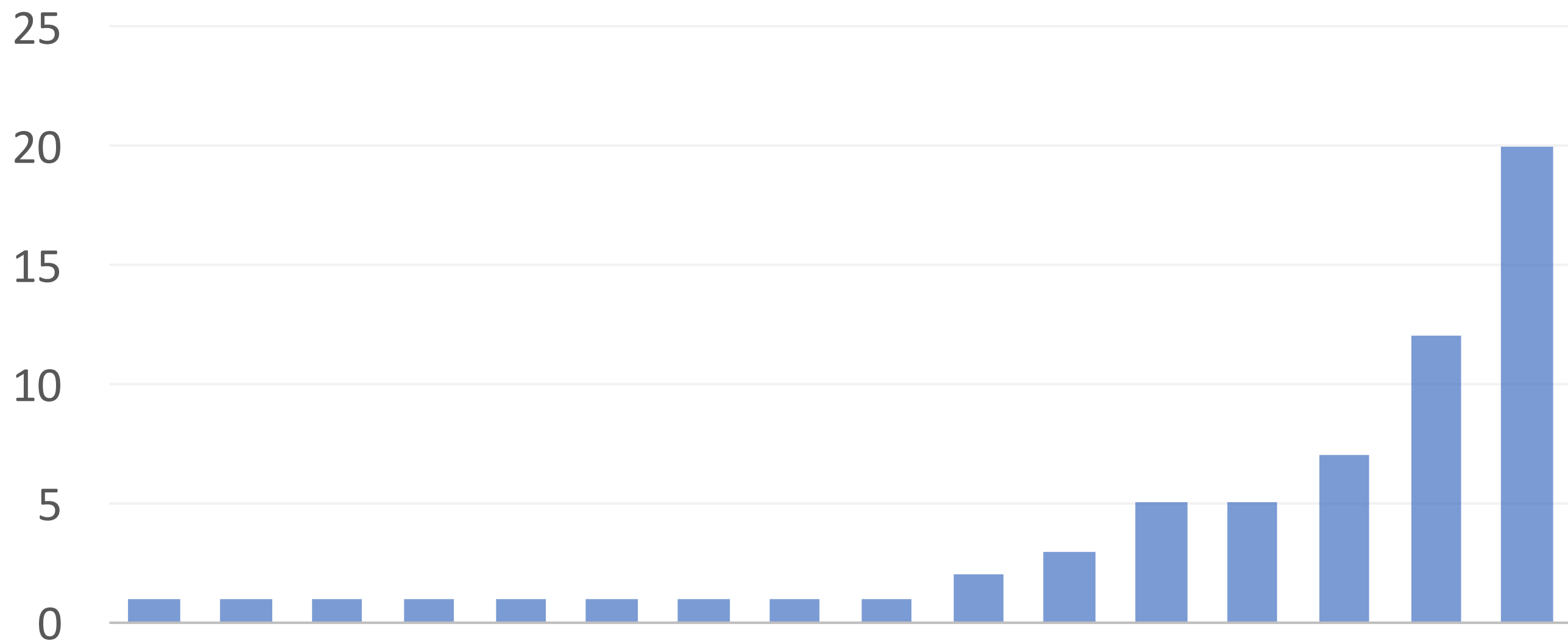


you

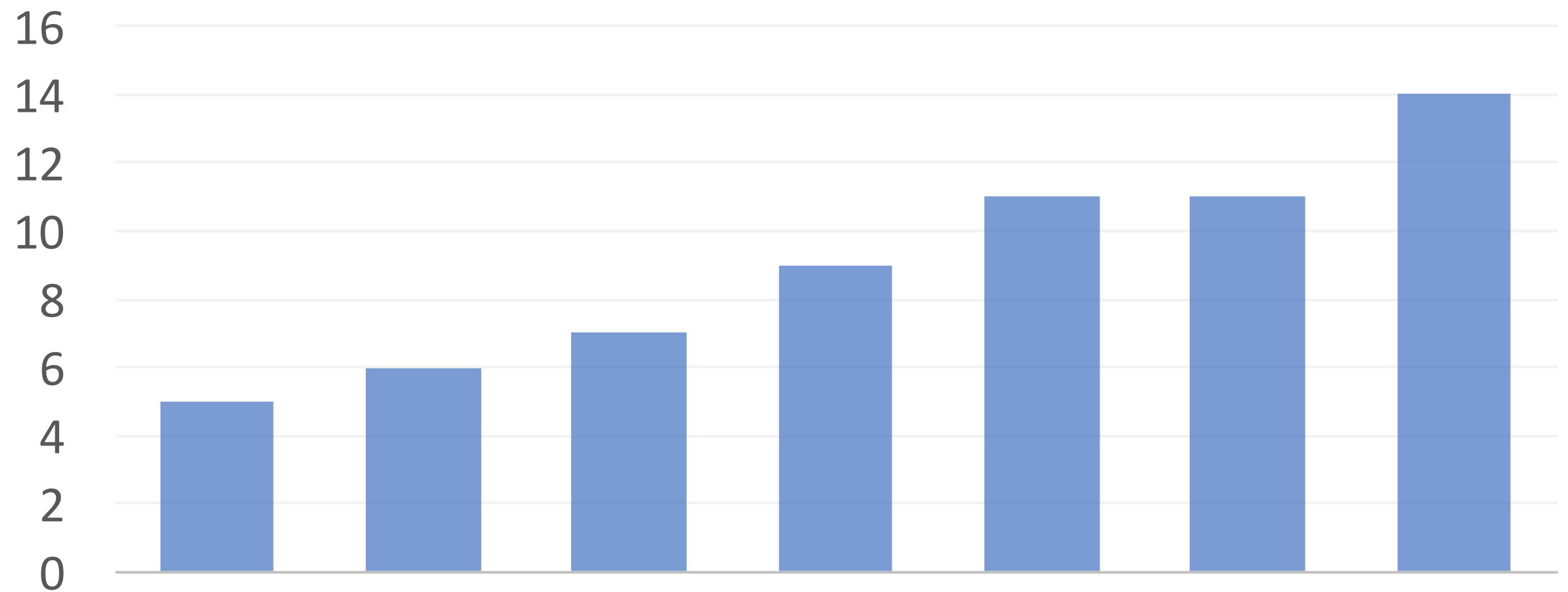
2018 Workshop on Genomics Professional Level



2018 Workshop on Genomics Participant Institutions



2018 Workshop on Genomics Research Interest



us

instructors: your new best friends



Guy



Daniel



Josie



Carly



Angel



Alyssa



Hanna



Sophie



Elin

co-directors



Dag



Scott



Brian



Karin



Konrad

faculty: week 1



Sonya Dyhrman



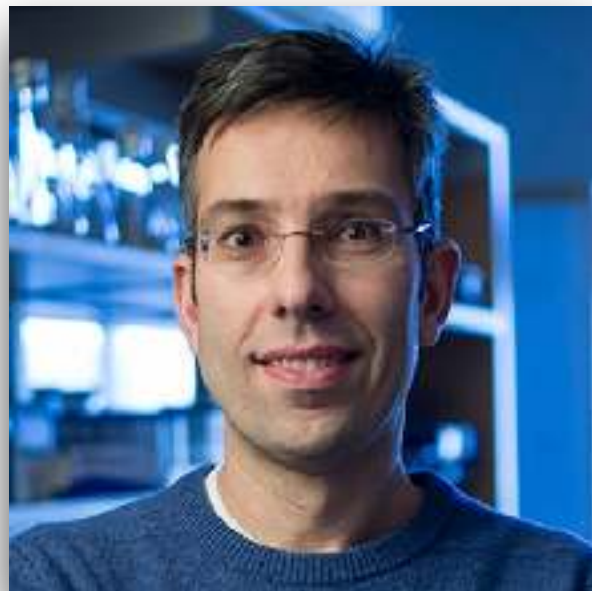
Julian Catchen



Mike Zody



Rayan Chikhi



Antonis Rokas



Evan Eichler

faculty: week 1



Bill Cresko



Julian Catchen



Sarah Hird



Daniel McDonald



Brian Haas



Karthik Shekhar



Chris Wheat



Eline Lorenzen

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

- [IP Addresses](#)
 - [Faculty lunch sign-up](#)
-

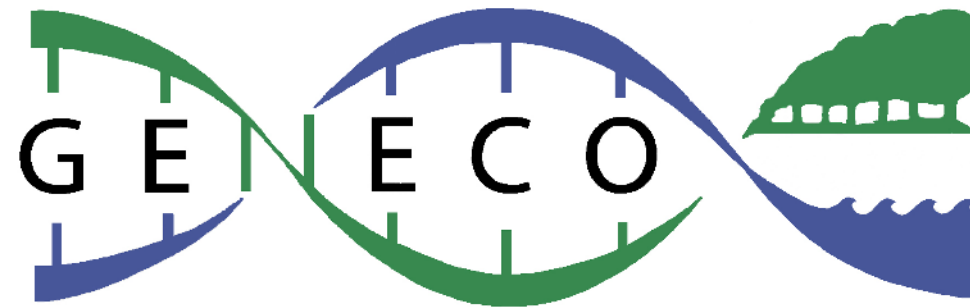


partners



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



GENECO program

PhD students & content

- 151 past and current PhD students
- 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

Nodes at each of the 6 large Swedish university cities

what
history
concepts

history



Woods Hole Workshop on Molecular Evolution



Michael Cummings
Director



Scott (me!) &
Antonis



TA TA



Michael & Scott
have dinner in DC



Mitch Sogin
Director

1988

2000

2001

2002

2007

Walter Salzburger
Student

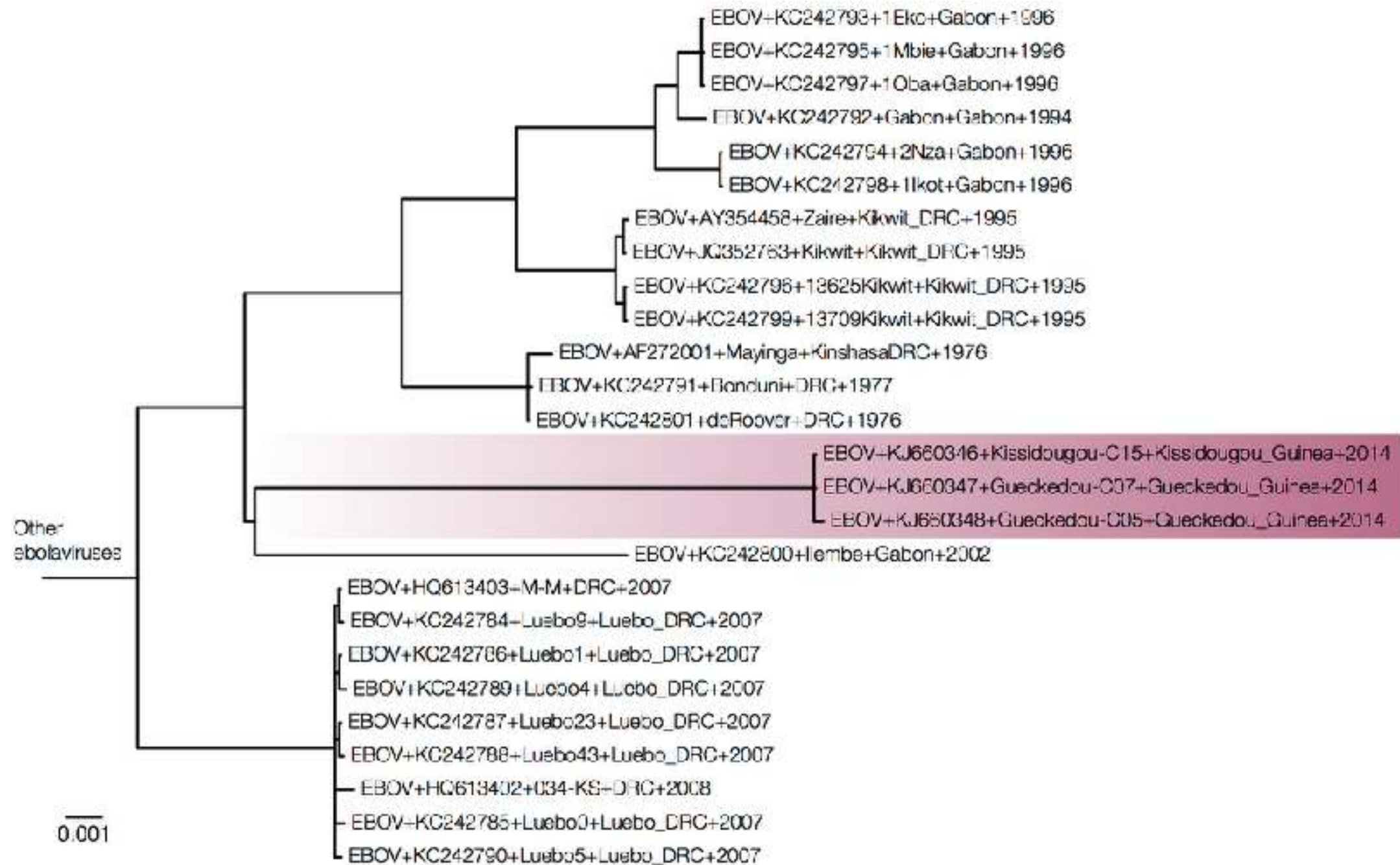


CDC

**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

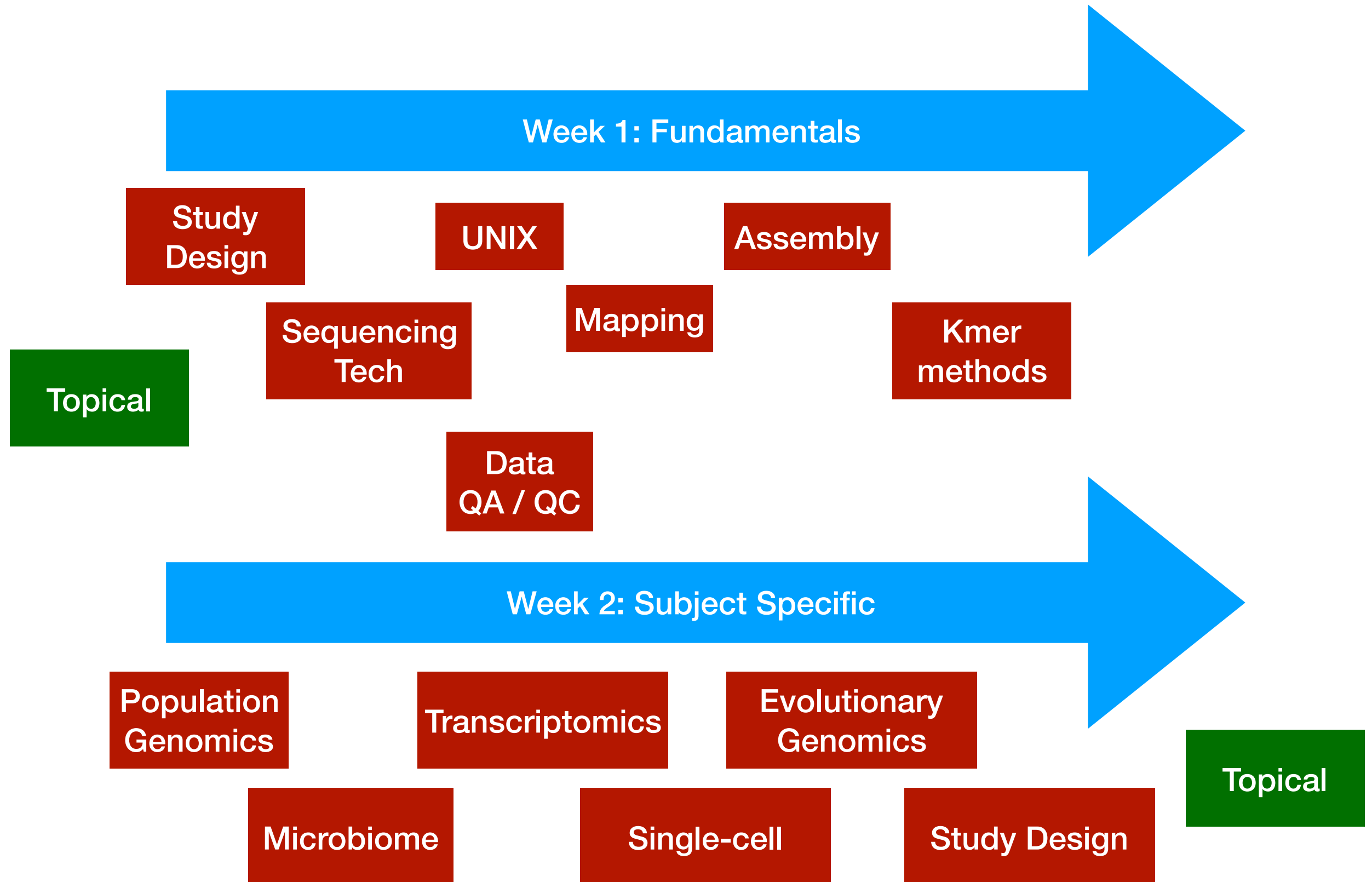
2017

Workshop on
Molecular Evolution
CDC

Workshop on
Molecular Evolution
Český Krumlov

Workshop on
Population and Speciation
Genomics
Český Krumlov

concept



schedule in detail

<http://evomics.org/workshops/workshop-on-genomics/2018-workshop-on-genomics-cesky-krumlov/>

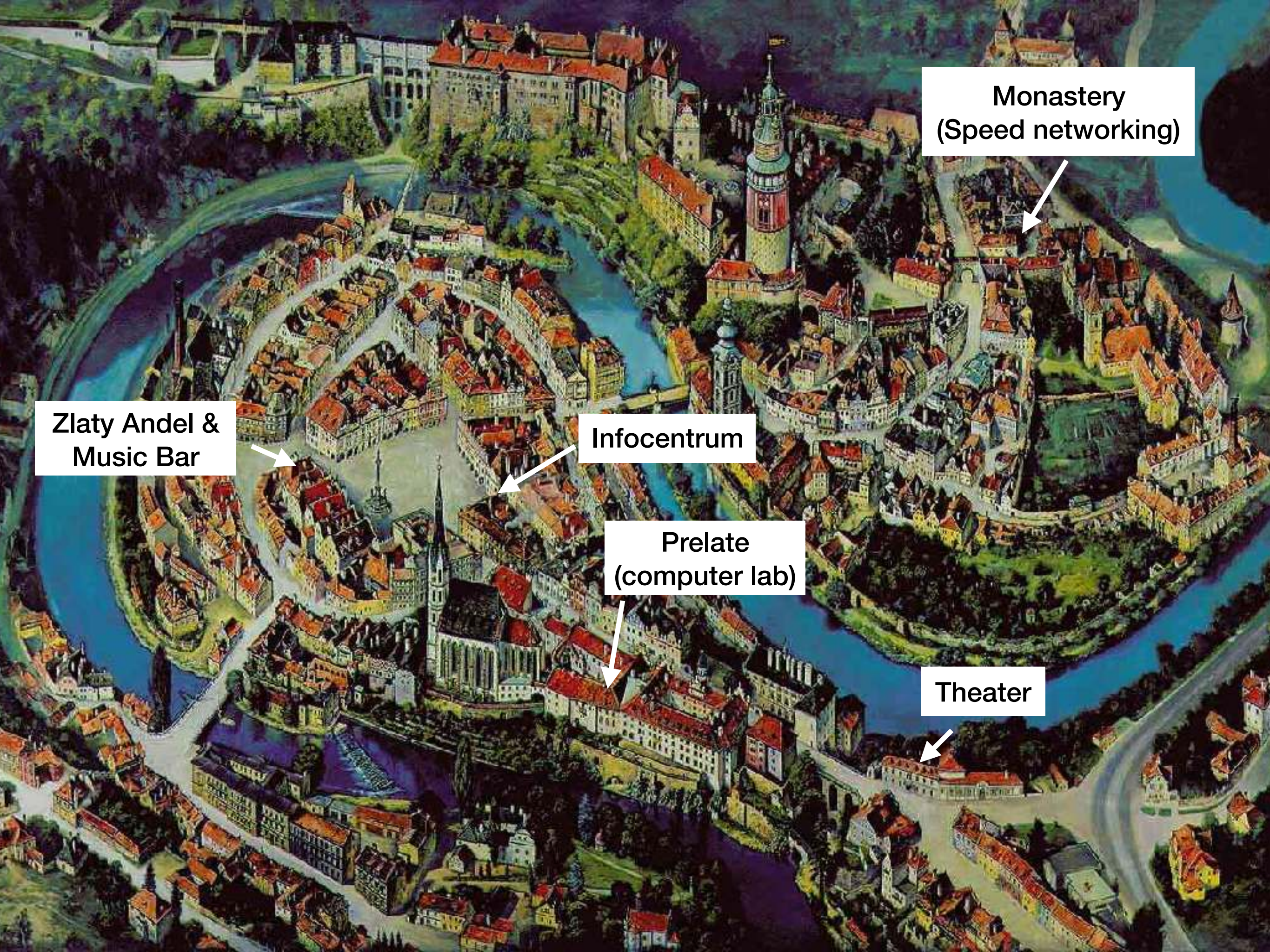
social events

- Saturday
 - meet at 17:30 in the Town Square for a group tour of Český Krumlov
 - tour will finish at a TBD location for dinner
- 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: #evomics2018
- facebook: Workshop on Genomics
- slack: evomics2018.slack.com

key locations



Monastery
(Speed networking)

Zlaty Andel &
Music Bar

Infocentrum

Prelate
(computer lab)

Theater

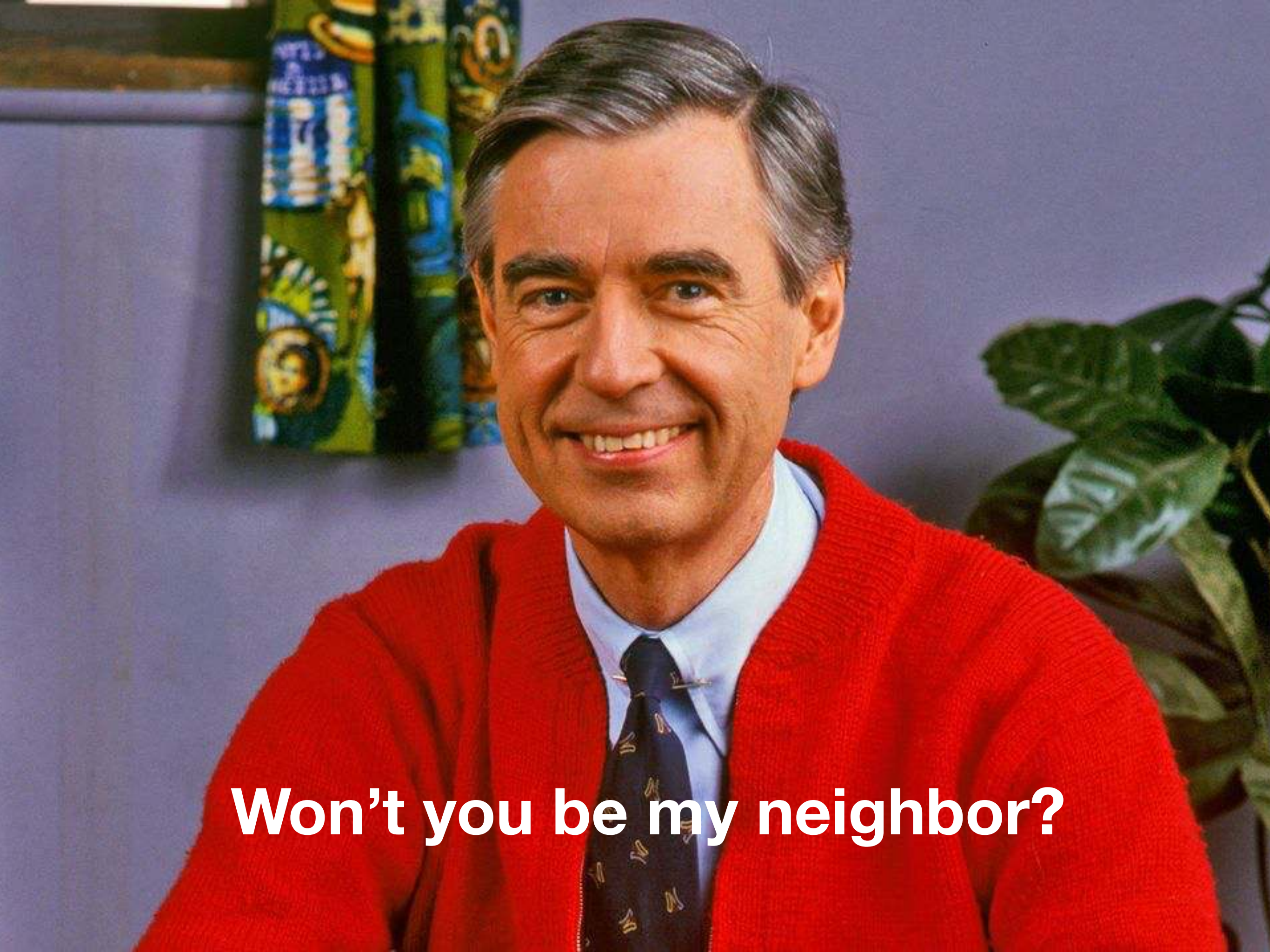
expectations

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**

A portrait of a middle-aged man with grey 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 gold pattern. The background is a solid grey wall. To the left, a shelf holds several colorful books with abstract covers. To the right, a green leafy plant is partially visible.

Won't you be my neighbor?

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



Thanks neighbor

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

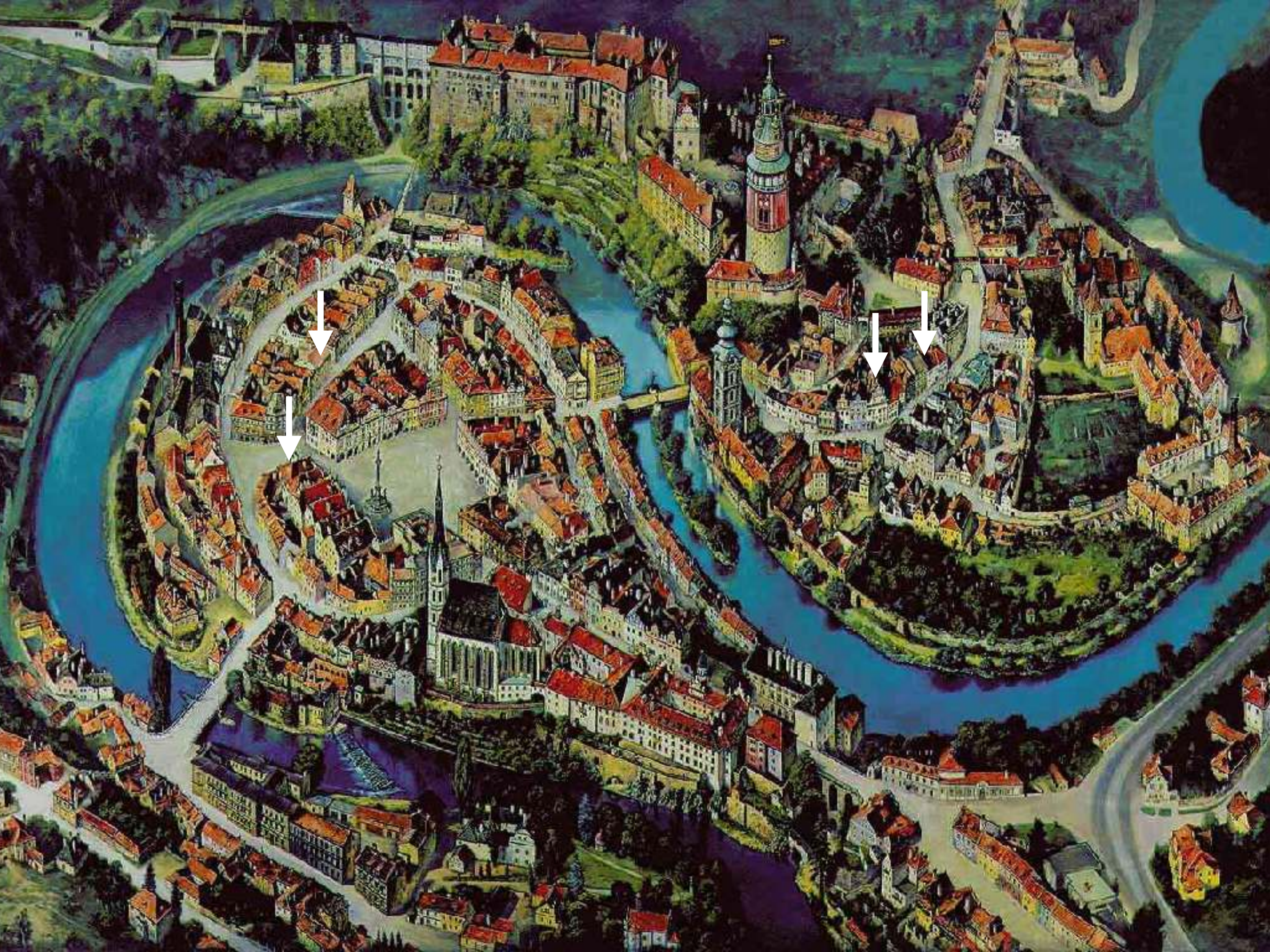
- no food or drink inside the computer hall
- wipe feet before entering
- coats in the coatroom
- do not touch the walls (frescoes) - painter died in 1791
- strict arrival and departure times
- wash your own coffee mugs



post lab discussions

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





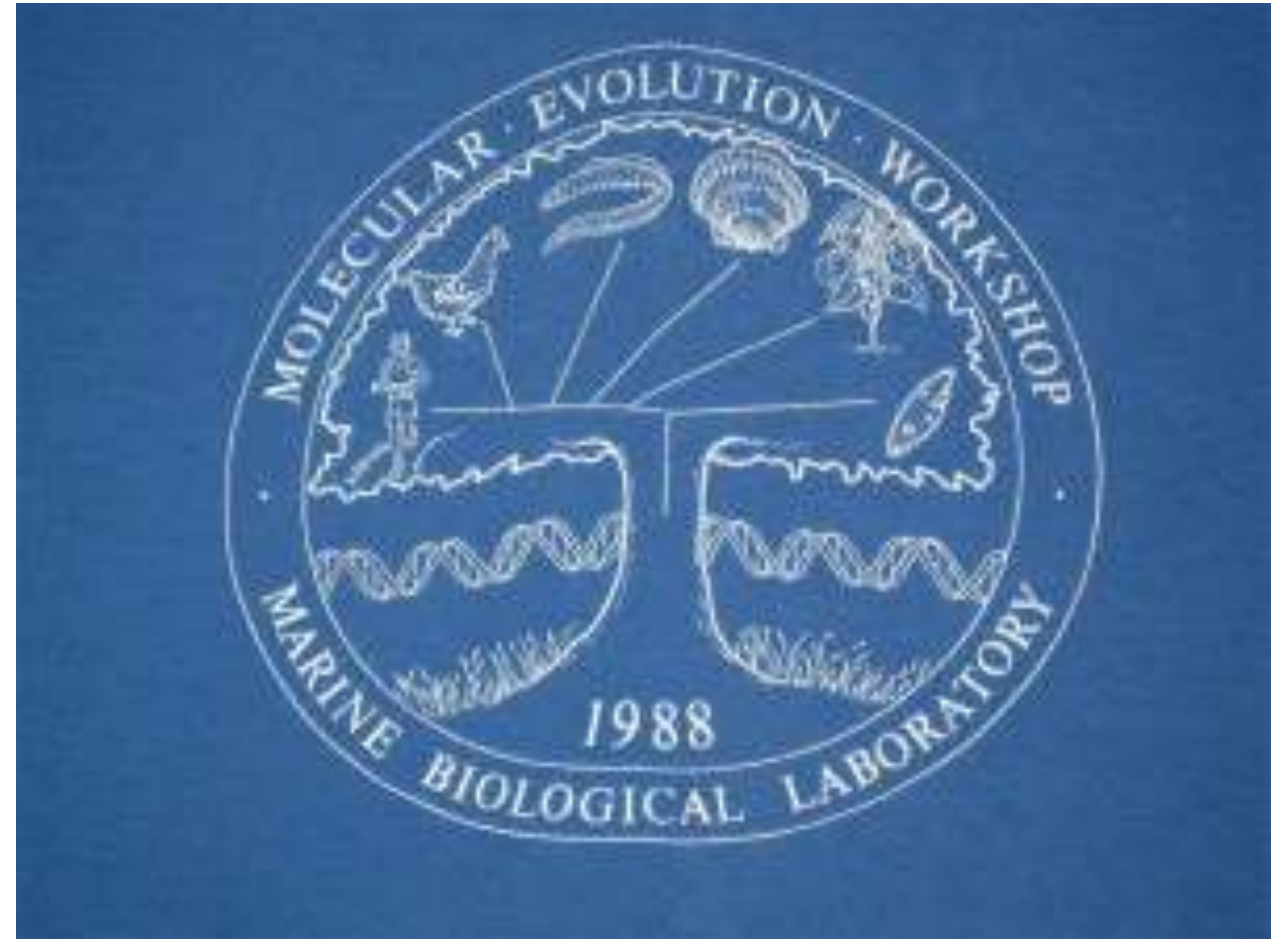
miscellany

t-shirt competition

- top design will be awarded with a special gift from the town
- submit by THURSDAY, 11-January!

Miscellaneous

- [IP Addresses](#)
 - [Faculty lunch sign-up](#)
 - [T shirt competition](#)
-



workshop BINGO

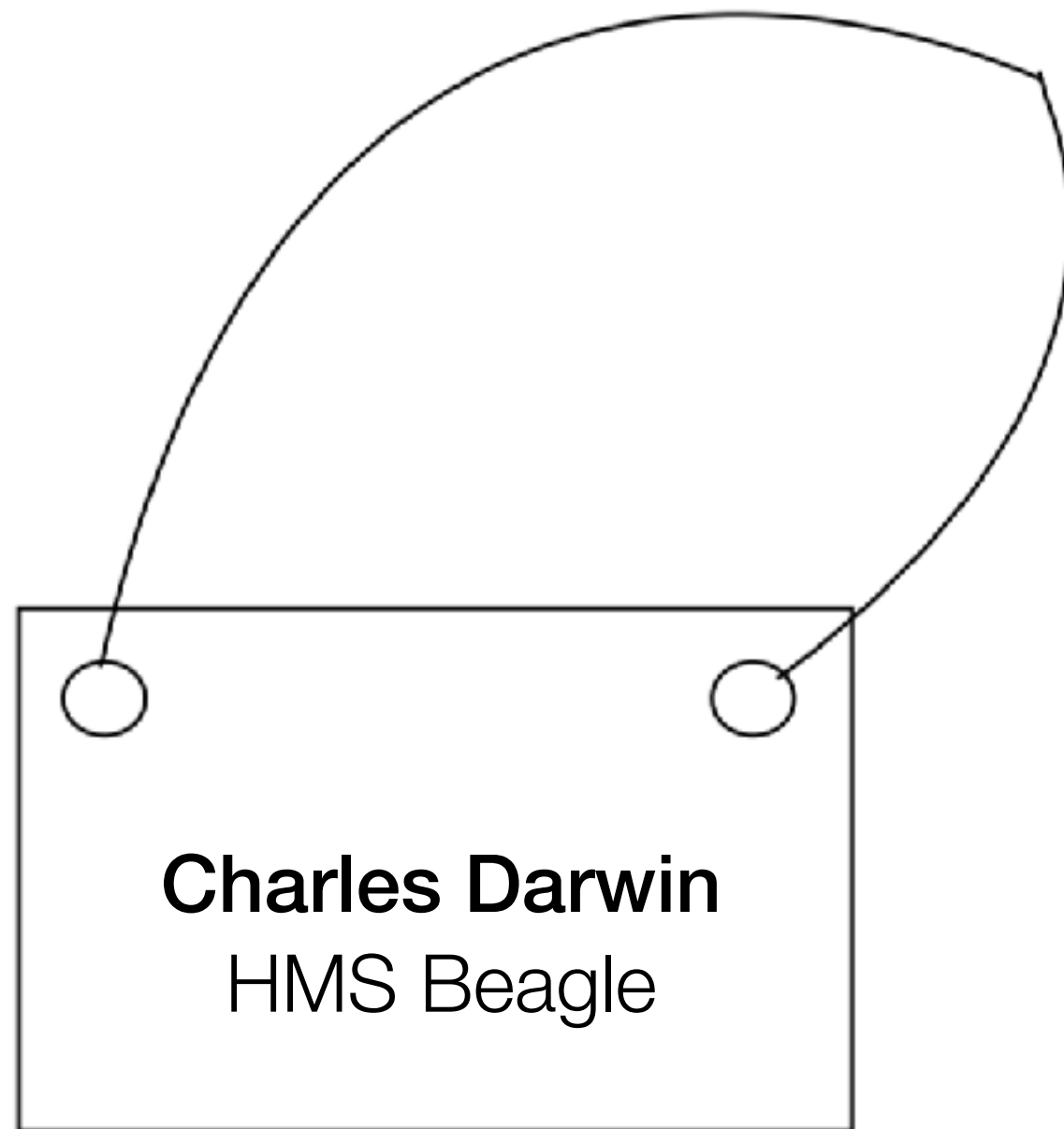
Workshop on Genomics 2018 BINGO! #evomics2018

Julian did the Linux dance	Helped neighbor with exercise	Take a selfie with Carly and tweet it!	Worn name tag visible every day	Have a conversation with someone not from your continent
Have a conversation in Spanish with Angel	Went to the Museum of Torture	Had a <u>fika</u> with Hanna	Had Mojito with Guy	Tried 4 different Czech beers/wine
Did Yoga or Castle Run	Learned 5 Czech words	Attended the registration party!	Had <u>trdelnik</u> or goulash	Tried <u>Becherovka</u>
Find out true nationality of 10 instructors / directors	Did the Macarena with Josie	Had a beer with Alyssa	Contributed to T-shirt competition	Attended the workshop party - Jan 13th
Was on time for every lecture and lab session	Seen someone asleep during lecture	Joined a Faculty Lunch	Find the spider/ant in the Prelate	Tweeted using #evomics2018

scientific speed networking

- tonight: Monastery
- 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
- 14:00 (2pm) lecture from Sonya Dyhrman (here)
- 19:30 (7:30pm) speed networking (Monastery)





thank you and
WELCOME!

