

Standards,  
Precautions &  
Advances in  
Ancient  
Metagenomics

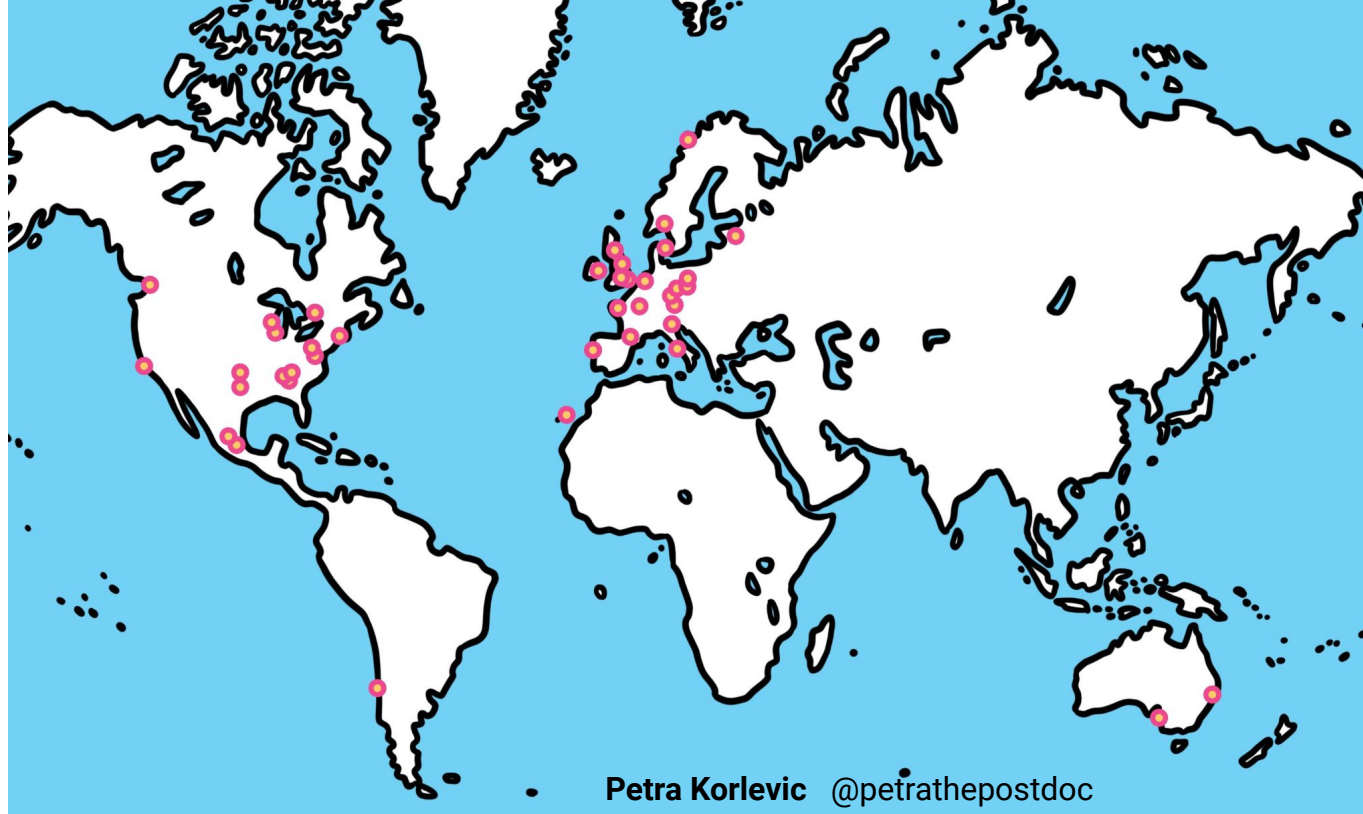


## SPAAM3 recap and debrief

---



# Global community



# Session 1. Ethical considerations and best practices in ancient metagenomics research

**Rita Austin**  
University of Oslo  
**Justin Lund**  
University of Oklahoma  
**Jessica Hider**  
McMaster University



Petra Korlevic  
@petrathepostdoc



# Session 2

## Current challenges and biases in ancient patho(meta)genomics

**Richell Ramírez Molina**  
UNAM

**Meriam Guellil**  
University of Tartu

**Ian Light**  
Max Planck Institute for  
Infection Biology

**Kelly Blevins**  
Durham University

Current challenges & biases 



Brew O'Clock! 

Petra Korlevic  
@petrathepostdoc



## Session 3

# Urgent challenges and future steps in ancient microbiome research

**Abigail Gancz**

Penn State

**Nathan Martin**

University of Rennes 1

**Allison Mann**

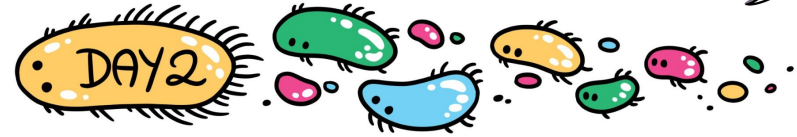
Clemson University

**Nikolay Oskolkov**

Lund University


**Barbara Moguel**

UNAM



Urgent challenges & future steps



Brew O'Clock! 

Petra Korlevic

@petrathepostdoc



## Session 4

# Tool up or die - gaps and solutions in ancient metagenomics analysis

**Irina Velsko**

MPI EVA

**Maxime Borry**

MPI EVA

**James Fellows Yates**

MPI EVA

**Frederic Lemoine**

Institut Pasteur



Urgent challenges & future steps



# Keywords to keep in mind

- Ethical research: **legality versus morality**
- Four R's of Research and **RELATIONSHIPS** → communication & trust
- Think before doing!
- Osteological **metadata**
- K-mer based classification versus alignment
- **Database** considerations
- Transparent and replicable protocols
- Help to **grow** SPAAM community



# Cool future projects

- Workshop ideas
  - Best practices when sampling for biomolecular research
- Ancient metagenomics labs list
- SPAAM-blog
  - Theta parameter in aDNA damage calculations
  - Proof reading enzymes
  - Checking for cross contamination
- Publications
  - Expanded Review of Taxonomic Profilers (Nico Rascovan, Nikolay Oskolkov, Allie Mann)
- Ideas?





# Availability of SPAAM3 content

- The recording of the authorized talks by the speakers, will be available only for the registrants. DO NOT MAKE THEM PUBLIC.
- We will share open-access notes, and the Q&A during the discussions (English and Spanish, any other languages??).
- A post-conference survey will be sent you, we'd be very excited to hear feedback .



# The legacy of SPAAM

SPAAM2 (21&22 September 2020)



# Next SPAAM



# Acknowledgements

- James Fellows (one of the organisers from SPAAM2) for the useful tips and advices on SPAAM3 organization.
- Petra Korlevic, for creating amazing illustrations of SPAAM3.



# Organising committee



Aida Andrades  
Valtueña

MPI-EVA,  
Leipzig,  
(Germany)

aida\_andrades  
@eva.mpg.de



Miriam J. Bravo

LIIGH-UNAM,  
(Mexico)

mbravo@liigh.unam.  
mx



Kelly E. Blevins

Durham  
University (UK)

Kelly.Blevins@asu  
.edu



Elizabeth  
(Betsy) A.  
Nelson

UConn,  
Connecticut  
(USA)

enelson@uconn  
.edu



Sterling Wright

PennState,  
Pennsylvania  
(USA)

svw5689@psu.  
edu



# We are open to suggestions!

- We will appreciate feedback!
- Topics you will like to hear about?
- Any suggestions in how to improve SPAAM (both as workshop and community)?





# Let's celebrate a successful SPAAM in Gather.town

