

## Pangeo / DEUQUA 2024 Thermochron Workshop

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Having established a new Thermochronometry Core Facility at the Paris Lodron University Salzburg (PLUS), we invite you to gain insights into this evolving field through our one-day workshop on Low-Temperature Thermochronology preceding the Pangeo / DEUQUA 2024 conference.

When? Monday, September 23<sup>rd</sup>, 2024, 9:00–18:00  
Where? Paris Lodron University Salzburg (PLUS), Hellbrunner Str. 34, 5020 Salzburg, Austria, room A3.001 (3<sup>rd</sup> floor), site plan will be available at <https://www.pangeo.at/de/>  
Who? Students and Scientists eager to learn about Low-Temperature Thermochronology and possibly apply it in their own research  
Language? English  
Costs? Free of charge, coffee breaks included  
Lunch Options? Mensa available in-house, supermarkets and restaurants within 10 minutes walking

### Contents:

- Theoretical Introduction (Basics and Applications of Low-Temperature Thermochronology)
- Sample Preparation (Crystal Selection and Documentation for (U-Th)/He Dating)
- Lab Tour (Demonstration and Explanation of (U-Th)/He Analytical Routines)
- Thermal History Modeling (Fundamentals and Exercises using Synthetic and Natural Data)

### Preliminary Schedule:

9:00 – 10:30	Theoretical Introduction (Christoph von Hagke)	
10:30 – 10:45	Coffee Break	
10:45 – 12:00	Sample Preparation (Bianca Heberer)	Lab Tour (Bjarne Friedrichs)
12:00 – 13:00	Lunch Break	
13:00 – 14:15	Lab Tour (Bjarne Friedrichs)	Sample Preparation (Bianca Heberer)
14:15 – 14:30	Coffee Break	
14:30 – 16:30	Thermal History Modeling (Nicolas Villamizar, Bianca Heberer)	
16:30 – 16:45	Coffee Break	
16:45 – 18:00	Case Studies / Wrap-Up / Questions (all)	

As of September 9<sup>th</sup>, 2024, we have 7 participants registered for the workshop. Our room is equipped with 12 computers where the software for the Thermal History Modeling exercise is already installed. If you prefer working with your own device, please make sure to have [HeFTy and QTQt](#) installed.

Presentation slides, hand-outs and additional materials will be distributed digitally during the workshop. If you want to do the Sample Preparation exercise with your own heavy mineral separates and/or get an expert opinion on them, please feel free to bring a few.

If you are not registered yet but still want to attend the workshop and/or have any remaining questions, please do not hesitate to contact us via [bjarne.friedrichs@plus.ac.at](mailto:bjarne.friedrichs@plus.ac.at).

We are looking forward to welcoming you in Salzburg!