

SFB
1078



Protonation Dynamics
in Protein Function

Student Only Retreat 2022

Collaborative Research Center – SFB 1078

Protonation Dynamics in Protein Function

October 10 - 12, 2022

Jugendherberge Greifswald

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Version 10/10/2022 9:01 AM (printed version)

How to get there

1. Jugendherberge Greifswald

Pestalozzi Straße 11/12

17489 Greifswald

03834 51690

<https://www.jugendherberge.de/jugendherbergen/greifswald-632/portraet/>

2. Greifswald, Bahnhof (Train)

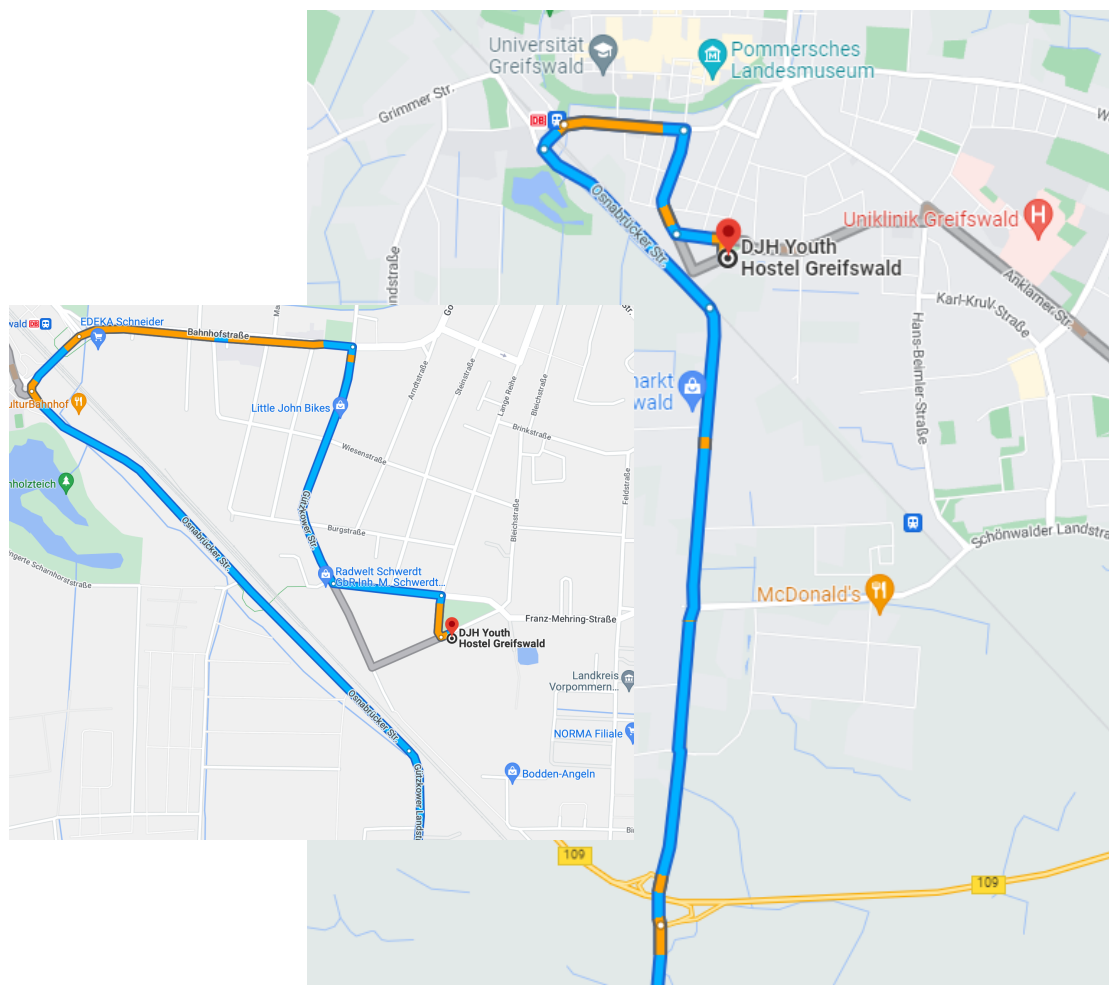
- Departure on 07:43 am with RE-5 from Berlin Hbf to Stralsund Hbf to change RE-10.
- After 43 min waiting time, please take the RE-10 on 11:34 am to reach Greifswald Hbf.
- Ticket price is 49,20 € one way.
- 17 min walk to the hotel or public transport with the bus number 2 or 3 which takes 14 minutes.
 - o Bus ticket price is 2,10 € from SW-Greifswald.

Return to Berlin, Hauptbahnhof (Train)

- Departure on 2:07 pm with RE-10 from Greifswald Hbf to Stralsund Hbf to change RE-5.
- After 27 min waiting time, please take the RE-5 on 3:02 pm to reach Berlin Hbf.
- Ticket price is 42,00 € one way.

3. By car

- You can reach us via the freeway (A11 and A20) Berlin – Greifswald.



Program

Talks are 20 min + 10 min discussion

Monday, October 10, 2022

12:00 **Welcome at the reception desk**

12:00 *Lunch*

Restaurant

Welcome address

13:00 **Ronja Paschke, Metehan Çelebi** (5 min)
Welcome Speech

13:10 **Sascha Vogel** (20 min)
Physics in Hollywood

SESSION 1:

13:30 – 14:30

13:30 **Ronja Paschke** (30 min)
Viroporins

14:00 **Viktor Eichman** (30 min)
Photosystem I

14:30 *Coffee Break*

Foyer

SESSION 2:

15:00 – 16:30

15:00 **Paul Greife (A4)** (30 min)
Photosystem II

15:30 **M. Yahia Dekmak (A4)** (30 min)
Day in the Cold Room (PS II)

16:00 **Kalman Christer (A4)** (30 min)
Photosynthetic electron transport chain

16:30 *Coffee break*

Foyer

SESSION 3:

17:00 – 18:00

17:00 **Markus Göbel (A1)** (30 min)
Raman Spectroscopy

17:30 **Mohr Swantje (B10)** (30 min)
2D NMR

Tuesday, October 11, 2022

07:30 *Breakfast & pack your lunch*

SESSION 4 8:30 – 10:00

08:30 **Maryam Sadeghi** (Guest) (45 min)
How to succeed in industry after Ph.D.

09:15 **Oliver Otto** (Guest) (45 min)
How to succeed in academia after Ph.D.

10:00 *Coffee break* Foyer

SESSION 5 10:20 – 11:20

10:20 **Louis Lehmann** (C1) (30 min)
Simple Theory of Spectroscopy

10:50 **Janosch Brandhorst** (A4) (30 min)
FTIR

11:20 *Lunch*

11:45 Tour on Riems
We will leave at 11:45 to go to Riems

18:30 – 20:00 Conference Dinner

Wednesday, October 12, 2022

08:00 *Breakfast & pack your lunch*

SESSION 6

9:00 – 10:30

- | | | |
|-------|---|----------|
| 9:00 | Haoran Liu (C8)
<i>MD Simulation</i> | (30 min) |
| 9:30 | Florian Brünig (C1)
<i>QM/MM</i> | (30 min) |
| 10:00 | Metehan Çelebi (A2)
<i>3D Structure Prediction Applications for MD Simulations of CcO</i> | (30 min) |

10:30 *Coffee break*

Foyer

SESSION 7:

11:00 – 12:30

- | | | |
|-------|---|----------|
| 11:00 | Mariafrancesca La Greca (B4)
<i>Mutagenesis/Wet lab I</i> | (30 min) |
| 11:30 | Jheng-Liang Chen (B4)
<i>Mutagenesis/Wet lab II</i> | (30 min) |
| 12:00 | Victor M. Loyo Cruz (A2)
<i>Protein Expression/Purification (CcO)</i> | (30 min) |

12:30 *Lunch*

Restaurant

14:00 *Departure*

Guests

Otto, Oliver	Universität Greifswald
Maryam Sadeghi	PicoQuant
Sascha Vogel	Science Birds

Coordinators

Paschke, Ronja	IGK	FUB
Ebrahim, Manal	IGK	Charité
Metehan Çelebi	IGK	FUB
Balke, Jens	IGK	FUB

PhD Students & Candidates

Göbel, Markus	A1	TUD
Celebi, Metehan	A2	FUB
Loyo Cruz, Victor	A2	FUB
Brandhorst, Janosch	A4	FUB
Christer, Kalman	A4	FUB
Greife, Paul	A4	FUB
Mäusle, Sarah	A4	FUB
Dekmak, Yahia*	A4	FUB
Eichman, Viktor	A4	FUB
Chen, Jheng-Liang	B4	FUB
La Greca, Mariafrancesca	B4	FUB
Ebrahim, Manal	B6	Charité
Paschke, Ronja	B9	FUB
Mohr, Swantje	B10	FMP
Brünig, Florian	C1	FUB
Lehmann, Louis	C1	FUB
Liu, Haoran	C8	FMP

