



10TH EUROPEAN
SOLID-STATE NMR
SUMMER SCHOOL



Monday, 20.10.

08:30	Registration start	
09:00-09:05	Welcome Remarks	Bernd Reif, Technical University of Munich, Germany
09:05-10:35	Session 1: The Hamilton Operator	Thomas Wiegand, RWTH Aachen, Germany
10:35-11:00	Coffee Break	Faculty Club
11:00-12:30	Session 2: Time dependent Hamiltonians	Albert A. Smith-Penzel, Leipzig University, Germany
12:30-13:30	Lunch break	
13:30-15:00	Session 3: Dipolar Recoupling	Niels Chr. Nielsen, Aarhus University, Denmark
15:00-15:30	Coffee Break	Faculty Club
15:30-17:00	Session 4: Practical: Average Hamiltonians	Matthias Ernst, ETH Zurich, Switzerland (+ T. Wiegand, RWTH Aachen, Germany; Albert Smith-Penzel, Leipzig University, Germany; Niels Chr. Nielsen, Aarhus University, Denmark)
17:15-18:45	Session 5: Flash talks	all participants (intro round, 2 min per talk)
19:00-20:30	Welcome reception	Faculty Club



Tuesday, 21.10.

09:00-10:30	Session 6: 1H/Fast, 13C and 1H assignments	Rasmus Linser, Technical University of Dortmund, Germany
10:30-11:00	Coffee Break	Faculty Club
11:00-12:30	Session 7: Principles of Dynamics	Bernd Reif, Technical University of Munich, Germany
12:30-13:30	Lunch break	
13:30-15:00	Session 8: DNP: Principles and Practice	Björn Corzilius, University of Rostock, Germany
15:00-15:30	Coffee Break	Faculty Club
15:30-17:00	Session 9: Simulation and Software	Thomas Vosegaard, Aarhus University, Denmark / Zdeněk Tošner, Charles University, Prague, Czech Republic
17:15-18:45	Session 10: Practical: Simulations	Thomas Vosegaard, Aarhus University, Denmark / Zdeněk Tošner, Charles University, Prague, Czech Republic
19:00-20:30	Poster Session and Snacks	Faculty Club

10th European Biological Solid-State NMR Summer School

20-24 October, 2025

IAS, TUM, Garching

Scientific committee:

*Prof. Dr. Bernd Reif
Prof. Dr. Anja Böckmann
Prof. Dr. Matthias Ernst*

IAS, TUM, Garching, 20-24.10.2025

IAS, TUM, Garching, 20-24.10.2025

Wednesday, 22.10.

9:00-10:30	Session 11: Quantification of Dynamics	Paul Schanda, Benjamin Tatman, ISTA, Klosterneuburg, Austria
10:30-11:00	Coffee Break	Faculty Club
11:00-12:30	Session 12: Exercise on dynamics	Albert Smith-Penzel, University Leipzig, Germany / Benjamin Tatman, ISTA, Klosterneuburg, Austria
12:30-14:15	Lunch break and excursion to BNMRZ	
14:15-15:00	Session 13 (45 min): Pulse sequence Library	Paul Schanda, Benjamin Tatman, ISTA, Klosterneuburg, Austria
15:00-15:30	Coffee Break	Faculty Club
15:30-18:00	Session 14: Introduction to CCPN	Victoria A. Higman, Leicester University, UK
	Session 15: Practical - CCPN	
18:15-18:45	Session 16: Intro talks from the industrial participants	Bruker, Silantes, Merck
19:00-20:30	Poster Session and Snacks	Faculty Club

Thursday, 23.10.

09:00-10:30	Session 17: NMR of paramagnetic systems	Guido Pintacuda, CNRS, University of Lyon, France
10:30-11:00	Coffee Break	Faculty Club
11:00-12:30	Session 18: NMR instrumentation	Guinevere Mathies, University of Konstanz, Germany
12:30-13:30	Lunch break	
13:30-15:00	Session 19: Sample preparation	Anja Böckmann, CNRS, University of Lyon, France
15:00-15:30	Coffee Break	Faculty Club
15:30-17:00	Session 20: Automated Assignment and Structure	Piotr Klukowski, ETH Zurich, Switzerland
17:15-18:45	Session 21 (via Zoom): Structure Calculation (ARIA)	Benjamin Bardiaux, Institut Pasteur, Paris, France
19:00-20:30	Conference Dinner	Faculty Club

Friday, 24.10.

09:00-10:30	Session 22: Solid State NMR and Drug Discovery	Markus Weinwarth, Utrecht University, Netherlands
10:30-11:00	Coffee Break	Faculty Club
11:00-12:30	Session 23: The future of biological solid-state NMR (with open discussion)	Hartmut Oschkinat, FMP Berlin, Germany
12:30-12:40	Closing Remarks	

We are grateful for the support from the Technical University of Munich, Helmholtz Zentrum Munich, Groupement AMPERE, Munich Center for Quantum Science and Technology, Bürkert Stiftung, Bruker, Silantes, Merck, and Cortecnet:



HELMHOLTZ
MUNICH

