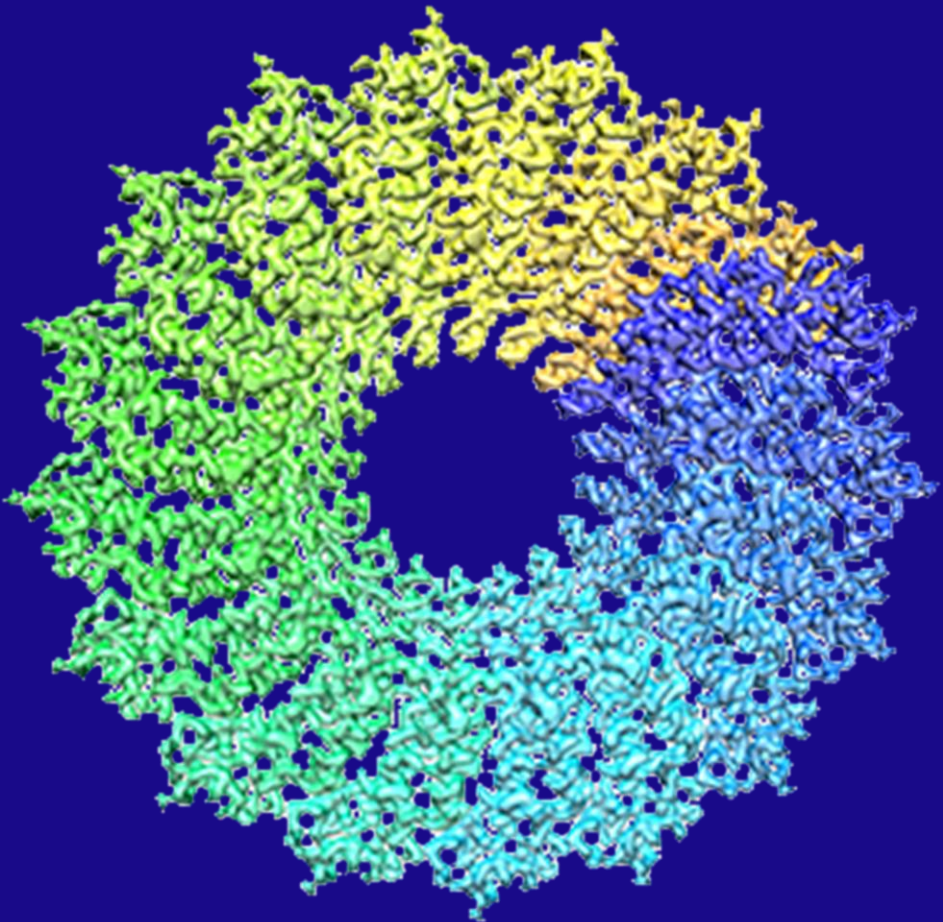


Struktur@link

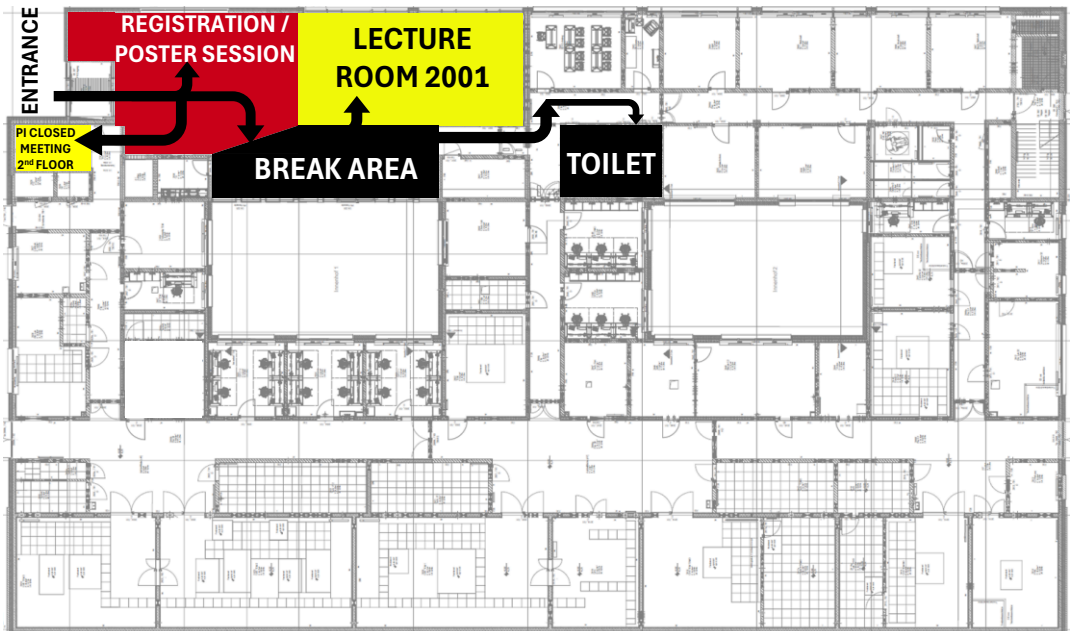
October 5th – 7th, 2026





**Building
05.13**

Floorplan



Important information

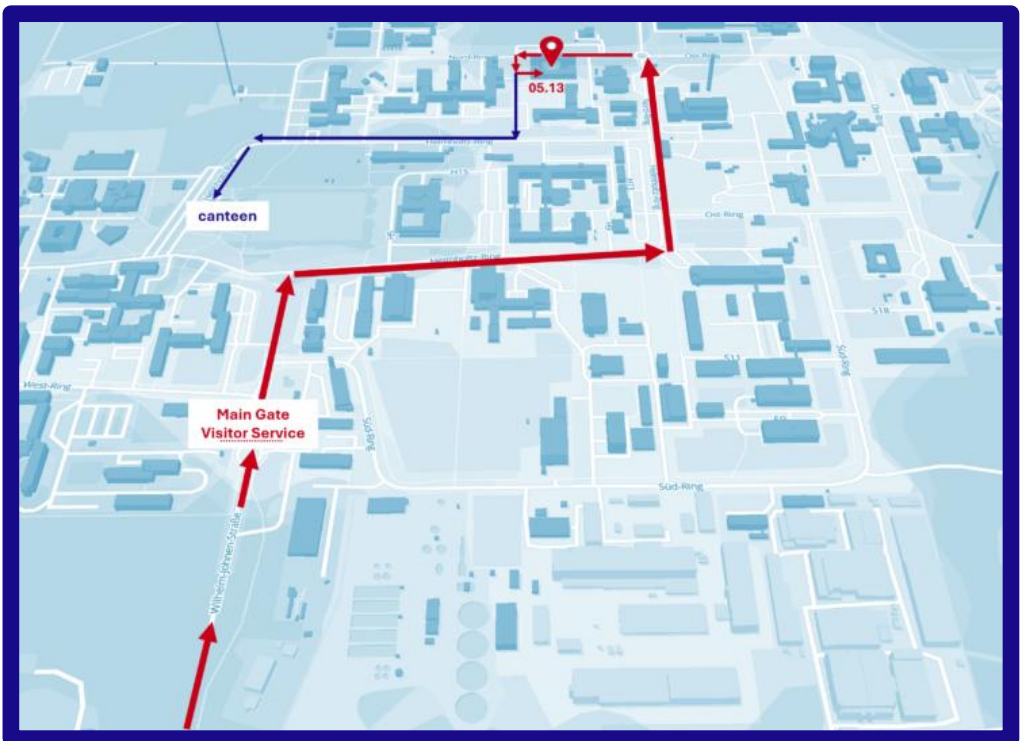
ACCESS

The Forschungszentrum Jülich Campus is **NOT OPEN TO PUBLIC** and access is regulated very strictly by our security service. Hence, please have **BOTH** your **guest card** and a valid **Passport or ID card** with you **all the time**. Please also note, that taxis are not allowed on campus. In case you plan to travel by taxi, you will have to leave it at the gate and walk to the venue. Walking distance is 10-15 min.

CATERING

We will jointly have **lunch** in a separate room at the **canteen** (see campus map). The required lunch **tickets** will be handed out daily before lunch.

Coffee and dinner will be provided in the **break area of building 05.13**.



Program

Monday October 5th		Tuesday October 6th		Wednesday October 7th	
		08:30	Morning Coffee	08:30	Morning Coffee
09:00	Welcome Coffee & Registration	09:00	Andrea Flores Ibarra	09:00	Recap & model building
		09:20	Ahad Ali Kazmi		
		09:40	Jing Chen		
10:00	Carsten Sachse	10:00	Zhenli Lai		
10:15	Sophie Frechen	10:20	Coffee	10:30	Coffee
10:35	Ronja Fiedler	11:00	Carsten Kötting	11:00	Software & feedback
10:55	Ricarda Seifert	11:20	Jane Torp		
11:15	Scientific Networking	11:40	Aikaterini Filopoulou		
		12:00	Janus Lammert		
12:15	Lunch	12:20	Lunch	12:30	Lunch
14:00	Hirak Naitik Tailor	14:00	Tour & workshop tecture	Pl closed meeting & Tour	Departure
14:20	Benedikt Junglas				
14:40	Marlene Otto				
15:00	Lutz Schmitt				
15:20	Coffee	15:30	Coffee		
16:00	Sonja Welsch	16:00	Processing		
17:00	Panel Discussion				
17:20	Poster preparation				
18:00	Poster/ Dinner	18:00	Dinner		
19:30	Departure	19:30	Departure		

Oral Presentations

Monday, October 5th, 2026

- **10:00 – Carsten Sachse (Forschungszentrum Jülich)**
Welcome
- **10:15 – Sophie Frechen (University of Bonn)**
Structural insights into transcription regulation by ECF sigma factors in CRISPR antiviral defence
- **10:35 – Ronja Fiedler (Ruhr University Bochum)**
Structural and Functional Insights into Dual-Signal Recognition by a LysR-type transcriptional regulator in *Agrobacterium tumefaciens*
- **10:55 – Ricarda Seifert (Universitätsklinikum Bonn)**
Structural Analysis of the trimeric complex of Cdk11b/Cyclin L1/SAP30BP
- **14:00 – Hiram Naitik Tailor (Universitätsklinikum Köln)**
Characterisation of structural and functional consequence of phosphorylation on Dynamin related protein 1 (DRP1) and Mitochondrial Fission
- **14:20 – Benedikt Junglas (Forschungszentrum Jülich)**
Structural plasticity enables bacterial ESCRT-III proteins to remodel and maintain membranes
- **14:40 – Marlene Otto (HHU Düsseldorf)**
Structural analysis of ethylene receptors by cryo-EM
- **15:00 – Lutz Schmitt (HHU Düsseldorf)**
Converting a drug efflux pump into an importer
- **16:00 – Sonja Welsch (MPI for Biophysics)**
Cryo-EM data acquisition: quality and throughput
- **17:00 – Panel discussion**
Facilities in Strukturalink

contributed presentations:
15 talk + 5 min discussion

Tuesday, October 6th, 2026

- **09:00 – Andrea Flores Ibarra (University of Cologne)**
Mechanisms of a unique cryptochrome pathway after illumination in the marine polychaeta *Platynereis dumerilii*
- **09:20 – Ahad Ali Kazmi (Forschungszentrum Jülich)**
The structure-based assembly mechanism of the mitochondrial respiratory chain
- **09:40 – Jing Chen (HHU Düsseldorf)**
Investigation and Characterization of Nitrogenase Metallocluster Assembly
- **10:00 – Zhenli Lai (University of Cologne)**
Structural and functional investigations on the large metalloprotease ZmpB of *Streptococcus pneumoniae*
- **11:00 – Carsten Kötting (Ruhr University Bochum)**
What vibrations tell about structures
- **11:20 – Jane Torp (University of Bonn)**
Inhibition of NLRP3 by a CNS-penetrating indazole scaffold
- **11:40 – Aikaterini Filopoulou (Forschungszentrum Jülich)**
From cryo-(T)EM to cryo-STEM: imaging in the service of structural biology, toward near-atomic resolution
- **12:00 – Janus Lammert (Forschungszentrum Jülich)**
Phosphomimetic A842-S8D adopts a single protofilament fold but shows a high degree of ultrastructural polymorphism
- **12:20 – Carsten Sachse (Forschungszentrum Jülich)**
Workshop Announcement

Posters

A. Amyloid & Protein Aggregation

A1 Yashaswini Gurusiddappa

The effect of Met35 oxidation on the formation and structure of amyloid- β (1-42) fibrils

A2 Gunnar Schröder

Structure Determination of Amyloid Fibrils by Cryo-EM

A3 Janus Lammert

Phosphomimetic A β 42-S8D adopts a single protofilament fold but shows a high degree of ultrastructural polymorphism

B. Cellular Cryo-EM, Cryo-ET & Organelle Biology

B1 Kathrin Bach

Monitoring mitochondrial plasticity in situ

B2 Muratha Sottatipreedawong

Structure and function of mitochondrial intermembrane space bridging complex

B3 Tom Goetze

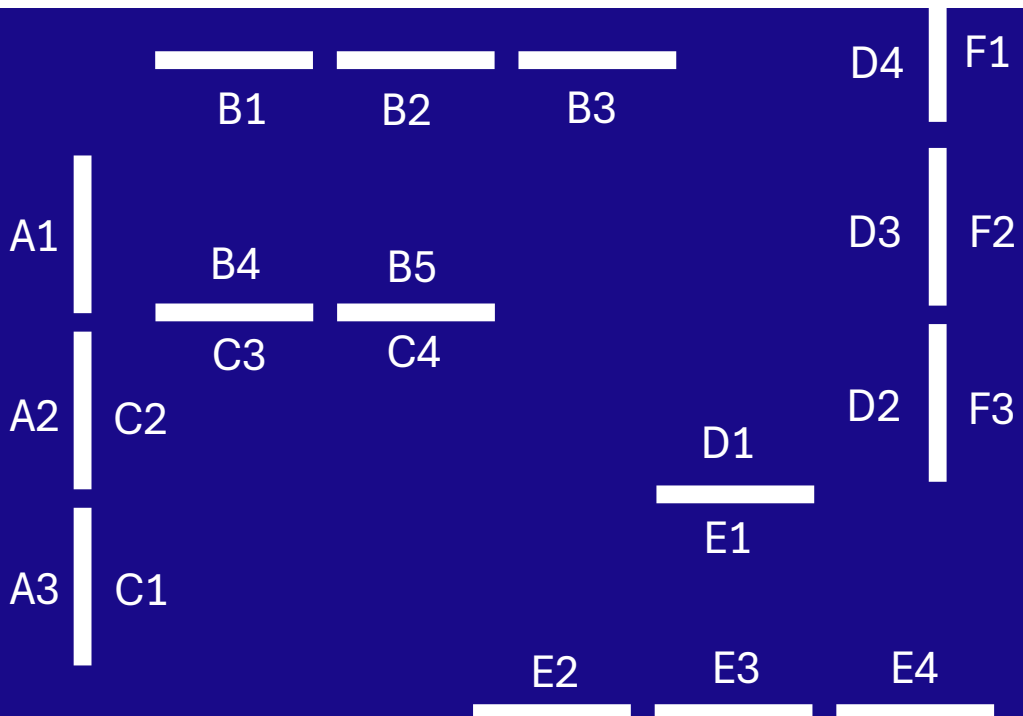
Functional investigation of the ESCRT-III homologue Vipp1 using in situ cryogenic electron tomography

B4 Evgenia Zagoriy

Cryogenic microscopy of human organoids across scales

B5 Catherine Dang

Cryo-electron tomography of p62-mediated aggrephagy in cells



C. Membrane-Associated Systems & Molecular Machines

C1 Nasim Allahyari

Structural investigation of FtsH and its interaction with inhibitory nanobodies

C2 Dhanabal Palanivel

Integrative structural and functional characterization of the RTX toxin MbxA from *Moraxella bovis*

C3 Svenja Saurbier

Biogenesis of a Type 1 secretion system?

C4 Carsten Kötting

What vibrations tell about structures

D. Molecular Regulation & Bacterial Systems

D1 Sophie Frechen

Structural insights into transcription regulation by ECF sigma factors in CRISPR antiviral defence

D2 Zhenli Lai

Structural Characterization of the Pneumococcal Metalloprotease ZmpB and Its N-Terminal Helical Domain

D3 Ronja Fiedler

Structural and Functional Insights into Dual-Signal Recognition by a LysR-type transcriptional regulator in *Agrobacterium tumefaciens*

D4 Paula Schmitt

Structural and functional characterization of human sulfite oxidase domain dynamics

E. Plant Biology, Photosynthesis & Plant-Microbe Interactions

E1 Nele Burdina

An immune receptor turned against its host: structural basis of barley SCS6 activation by a fungal small molecule

E2 Raphael Eberle & Kerstin Förster

Preparation workflow of plant proteins for structure determination by Cryo EM

E3 Nicole Heister

Impact of structural diversity on the catalytic activity of microalgal globins

E4 Anna-Maria Wandinger

TBA

F. Human Biology, Signalling & Therapeutic Targets

F1 Hirak Naitik Tailor

Characterisation of structural and functional consequence of phosphorylation on Dynamin related protein 1 (DRP1) and Mitochondrial Fission

F2 Jane Torp

Inhibition of NLRP3 by a CNS-penetrating indazole scaffold

F3 Konrad Benting

Structural basis and regulation of gephyrin targeting to the synapse



Ernst Ruska-Centre

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