

GDCh Biochemistry 2026

Monday, March 16, 2026 - Wednesday, March 18, 2026, Würzburg

Monday, March 16, 2026

12:15 p.m. - 12:45 p.m.

Arrival and Registration

Foyer

12:15 p.m. - 12:45 p.m.

01:00 p.m. - 01:05 p.m.

Opening

Blauer Saal

C. Höbartner & K. Lang

01:00 p.m. - 01:05 p.m.

01:05 p.m. - 03:15 p.m.

Session 1: Peptide chemistry & enzyme engineering

Blauer Saal

Making peptides the nonribosomal way

H.B. Bode, Marburg/DE

01:05 p.m. - 01:40 p.m.

Characterization and growth-coupled selection of an extant small subunit-independent Form I Rubisco

K. P. Franzeck, Marburg/DE, B. B. Dronsella, Marburg/DE, F. Otto, Marburg/DE, H. Westedt, Marburg/DE, T. J. Erb, Marburg/DE

02:00 p.m. - 02:20 p.m.

Accessing defined protein-protein conjugates via in-cellulo native chemical ligation

M. Weyh, Zurich/CH, K. Lang, Zurich/CH, M. Fottner, Zurich/CH, M. Rulka, Zurich/CH

02:20 p.m. - 02:40 p.m.

Peptide-Aminoacyl-tRNA Ligases in Natural Product Biosynthesis

W. A. van der Donk, Urbana/US

02:40 p.m. - 03:15 p.m.

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03:15 p.m. - 03:45 p.m.

Coffee break

Foyer

03:15 p.m. - 03:45 p.m.

03:45 p.m. - 05:55 p.m.

Blauer Saal

How to turn an N into an O: Controlling the chemoselectivity of SAM-dependent methyltransferases

03:45 p.m. - 04:20 p.m.

J. N. Andexer, Freiburg/DE, E. Jockmann, Freiburg/DE, M. K. F. Mohr, Freiburg/DE

Artificial methionine guanosyltransferase for cofactor engineering

04:20 p.m. - 04:40 p.m.

M. Erguven, Munich/DE, A. Imhof, Munich/DE, A. Pelz, Münster/DE, A. Rentmeister, Munich/DE, A. L. Irion, Munich/DE, D. Kümmel, Münster/DE, H. Girame, Girona/ES, J. Schöning, Munich/DE, M. Borso, Munich/DE, M. Garcia-Borràs, Girona/ES, M. Westermann, Munich/DE, N. V. Cornelissen, Münster/DE, S. Titze, Münster/DE

Chemoselectivity of aromatic (di-)methylation by SAM-dependent C-methyltransferases

04:40 p.m. - 05:00 p.m.

J. Breiltgens, Freiburg/DE, J. N. Andexer, Freiburg/DE, M. Müller, Freiburg/DE, Z. Zou, Freiburg/DE

Data Processing and Kinetic Modelling of HPLC Reaction Time Courses with EnzymeML Tools

05:00 p.m. - 05:20 p.m.

M. Häussler, Stuttgart/DE, J. Andexer, Freiburg/DE, J. Pleiss, Stuttgart/DE, J. Range, Stuttgart/DE, L.-H. Köppl, Freiburg/DE

In Silico-Guided Evolution of Transferase Families for Haloalkane-Driven Selective Alkylation

05:20 p.m. - 05:55 p.m.

S. C. Hammer, Bielefeld/DE

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06:30 p.m. - 09:00 p.m.

Poster Session & Get together

Blauer Saal

06:30 p.m. - 09:00 p.m.

Poster Session & Get together

Raum Residenz

06:30 p.m. - 09:00 p.m.

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09:00 a.m. - 10:50 a.m.

Session 3: Chemical biology probes & platforms

Blauer Saal

Next generation Activity-Based Probes for Ubiquitin and Ubiquitin-like E3 Ligases

09:00 a.m. - 09:35 a.m.

S. Virdee, Dundee/GB, G. Beniwal, Dundee/GB, J. Zhang, Dundee/GB, M. Soetens, Dundee/GB, M. Stanley, Dundee/GB, N. Shipiro, Dundee/GB, S. Mathur, Dundee/GB

Profiling the proteome-wide selectivity of diverse electrophiles

09:35 a.m. - 09:55 a.m.

S. M. Hacker, Leiden/NL, A. I. Nesvizhskii, Ann Arbor/US, C. Chang, Princeton/US, D. Mrdovi, Munich/DE, F. Yu, Ann Arbor/US, F. D. Toste, Berkeley/US, K. Krauskopf, Munich/DE, K. Lang, Zurich/CH, L. Lewald, Munich/DE, M. Cigler, Munich/DE, M. Zollo, Munich/DE, P. Musacchio, Berkeley/US, P. Raunft, Munich/DE, P. R. A. Zanon, Leiden/NL, T. E. Maher, Munich/DE

An expanded enzymatic toolkit for recording RNA interaction and localization history

09:55 a.m. - 10:15 a.m.

M. Witzenberger, Rehovot/IL, A. Kustanovich, Rehovot/IL, J. Georgeson, Rehovot/IL, R. Nir, Rehovot/IL, S. Grinstein-Zvulun, Rehovot/IL, S. Schwartz, Rehovot/IL

The Expanding Biochemistry of JmjC Demethylases

10:15 a.m. - 10:50 a.m.

A. Kawamura, Newcastle Upon Tyne/GB

10:50 a.m. - 11:15 a.m.

Coffee Break

Foyer

10:50 a.m. - 11:15 a.m.

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11:15 a.m. - 12:50 p.m.

Session 4: Natural products & drug discovery

Blauer Saal

Natural Products from Interacting Microorganisms and
Ancient Microbiomes

P. Stallforth, Jena/DE

11:15 a.m. - 11:50 a.m.

Nucleoside Phosphoramidates with Roles in Chemical
Biology and Medicinal Chemistry

C. Richert, Stuttgart/DE, A. Humboldt, Stuttgart/DE, C. J. M.
Schölzel, Stuttgart/DE, F. Goebel, Stuttgart/DE

11:50 a.m. - 12:10 p.m.

Biaryl Phosphates and Phosphonates as Selective
Inhibitors of the Transcription Factor STAT4

T. Berg, Leipzig/DE

12:10 p.m. - 12:30 p.m.

Targeting the Spliceosomal Protein USP39 Through
Allosteric Ligands and PROTAC-Induced Degradation

X. Cheng, Frankfurt am Main/DE, C. Prieto-Garcia,
Frankfurt am Main/DE, D. Schäfer, Frankfurt am Main/DE, I.
Dikic, Frankfurt am Main/DE

12:30 p.m. - 12:50 p.m.

12:50 p.m. - 02:15 p.m.

Postersession

Blauer Saal

12:50 p.m. - 02:15 p.m.

Lunch buffet

Foyer

12:50 p.m. - 02:15 p.m.

Postersession

Raum Residenz

12:50 p.m. - 02:15 p.m.

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01:30 p.m. - 02:00 p.m.

Mitgliederversammlung

Raum Marienberg

01:30 p.m. - 02:00 p.m.

02:15 p.m. - 03:45 p.m.

Session 5: Protein engineering

Blauer Saal

B. Höcker

02:15 p.m. - 02:50 p.m.

Generation and Evolution of de novo Designed Chorismate Mutases

02:50 p.m. - 03:10 p.m.

M. Heckelmann, Zurich/CH, B. Wicky, Basel/CH, D. Baker, Seattle/US, D. Hilvert, Zurich/CH, F. J. Hardy, Seattle/US, L. Streitlein, Zurich/CH, P. Kast, Zurich/CH, S. Lindner, Zurich/CH

Metalloenzyme engineering with genetic code expansion

03:10 p.m. - 03:45 p.m.

A. Deliz Liang, Zurich/CH, A. Natter Perdiguero, Zurich/CH, K. Lau, Lausanne/CH, S. Fischer, Zurich/CH

03:45 p.m. - 04:15 p.m.

Coffee Break

Foyer

03:45 p.m. - 04:15 p.m.

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04:15 p.m. - 06:30 p.m.

Award lectures

Blauer Saal

04:15 p.m. - 06:30 p.m.

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09:00 a.m. - 10:50 a.m.

Session 6: Nucleic acid chemical biology (NUCLEATE)

Blauer Saal

RNA at the Edge: Extreme Biology as a Lens on RNA
Modification Principles

S. Schwartz, Rehovot/IL

09:00 a.m. - 09:35 a.m.

Novel TET3 enzymes for next-generation epigenetic
sequencing

S. Schneider, Munich/DE, H. Sahin, Munich/DE, Ö. Simsir,
Munich/DE, T. Carell, Munich/DE, T. Walter, Munich/DE

09:35 a.m. - 09:55 a.m.

Synthetic circRNAs employ IRES activity for translation in
cells and in cell-free translation systems

K. Leppek, Bonn/DE, A. H. Lund, Copenhagen/DK, C.-K.
Chen, St. Louis/US, F. S. W. Arendrup, Copenhagen/DK, P.
Koch, Bonn/DE, S. Narayanan, Bonn/DE

09:55 a.m. - 10:15 a.m.

Nucleotidyltransferases and nucleotide based second
messengers

C. de Oliveira Mann, Munich/DE

10:15 a.m. - 10:50 a.m.

10:50 a.m. - 11:15 a.m.

Coffee Break

Foyer

10:50 a.m. - 11:15 a.m.

Wednesday, March 18, 2026

11:15 a.m. - 01:25 p.m.

Session 7: Frontiers of integrative structural biology

Blauer Saal

Advances in the structural and functional understanding of m ¹ A tRNA modification <u>C. Tisné, Paris/FR</u>	11:15 a.m. - 11:50 a.m.
Dynamics of A-Minor Interactions in the Bacterial Ribosome <u>C. Steinmetzger, Uppsala/SE</u> , C. Fontana, Stockholm/SE, D. Kosek, Stockholm/SE, E. Steiner, Stockholm/SE, E. R. Andersson, Stockholm/SE, H. Karlsson, Stockholm/SE, J. Schlagnitweit, Stockholm/SE, K. Petzold, Uppsala/SE, M. Riad,, Stockholm/SE, N. Galindo Riera, Stockholm/SE, S. Friebe Sandoz, Stockholm/SE	11:50 a.m. - 12:10 p.m.
A host tRNA Drives Assembly of a Cytoplasmic Viral Transcription Machine <u>J. Bartuli, Würzburg/DE</u> , A. Hüttenhofer, Innsbruck/AT, A. Volz, Hanover/DE, B. Warscheid, Würzburg/DE, C. Grimm, Würzburg/DE, C. Höbartner, Würzburg/DE, J. P. Zimmermann, Würzburg/DE, M. Dixit, Bethesda, MD/US, M. Erlacher, Innsbruck/AT, S. Jungwirth, Würzburg/DE, T. Okuda, Würzburg/DE, T. Pan, Chicago, IL/US, U. Fischer, Würzburg/DE	12:10 p.m. - 12:30 p.m.
CryoEM Structures of Higher Order Gephyrin Oligomers Revealing Principles of Inhibitory Postsynaptic Scaffold Organization <u>D. Ortiz Lopez, Würzburg/DE</u> , H. Schindelin, Würzburg/DE	12:30 p.m. - 12:50 p.m.
Unlocking the secrets of the cytoskeleton and heart muscle <u>S. Raunser, Dortmund/DE</u>	12:50 p.m. - 01:25 p.m.

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Poster prizes, thanks & closing

Blauer Saal

01:30 p.m. - 01:45 p.m.

01:45 p.m. - 02:00 p.m.

Expepected end of conference

Blauer Saal

01:45 p.m. - 02:00 p.m.