



GESELLSCHAFT DEUTSCHER CHEMIKER



Fachgruppe Medizinische Chemie

Frontiers in Medicinal Chemistry

March 24 – 27, 2019 · Würzburg



SCS
Swiss Chemical
Society
Division of
Medicinal Chemistry &
Chemical Biology

DPhG

Deutsche
Pharmazeutische
Gesellschaft e.V.

www.gdch.de/medchem2019



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Sunday, March 24, 2019

Lecture Hall, Zentralbau Chemie C3

6.00 p.m. **Welcome**

6.30 p.m. **OPENING LECTURE**
Activity-based Glycosidase Profiling in Biomedicine and Biotechnology
 H. S. Overkleeft, Leiden/NL

7.30 p.m. **GET TOGETHER and POSTER SESSION I**



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Monday, March 25, 2019

Lecture Hall, Zentralbau Chemie C3

- 8.30 a.m. **Utility of Glutamatergic Pet Tracers in Diagnosis and Target Engagement Studies**
L. Mu, Zurich/CH, A. Haider, Zurich/CH, A Müller Herde, Zurich/CH, Y. P. Auberson, Basel/CH, R. Schibli, Zurich/CH, S. D. Krämer, Zurich/CH, S. M. Ametamey, Zurich/CH
- 9.00 a.m. **Identification of a Novel Chemical Probe (BAY-707) for MTH1 via Structure Based Optimization**
M. Ellermann, Berlin/DE, F. Rahm, Stockholm/SE, J. Viklund, Stockholm/SE, J. Guenther, Berlin/DE, L. Tresaugues, Stockholm/SE, N. Bauser, Berlin/DE, A. Giese, Berlin/DE, T. Ginman, Stockholm/SE, M. Andersson, Stockholm/SE, U. Ericsson, Stockholm/SE, R. Forsblom, Stockholm/SE, J. Lindstroem, Stockholm/SE, C. Silvander, Stockholm/SE, A. Eheim, Berlin/DE, S. Bunse, Berlin/DE, R. Neuhaus, Berlin/DE, J. Weiske, Berlin/DE, M. Quanz, Berlin/DE, A. Glasauer, Berlin/DE, K. Nowak-Reppel, Berlin/DE, B. Bader, Berlin/DE, H. Irlbacher, Berlin/DE, H. Meyer, Berlin/DE, N. Queisser, Berlin/DE, A. Haegebarth, Berlin/DE, M. Gorjanacz, Berlin/DE
- 9.30 a.m. COFFEE BREAK
- 10.00 a.m. **tba**
A. Ablasser, Basel/CH
- 10.30 a.m. **Development of Fluorinated PET-tracers for KOR and Sigma Receptors**
B. Wünsch, Münster/DE
- 11.00 a.m. **Target Engagement in Drug Discovery – Increasing Our Understanding of Drug's Mechanism of Action**
A. Rutkowska-Klute, Heidelberg/DE
- 11.30 a.m. BREAK
- 12.00 p.m. **Young investigators** (4 Short Lectures)
- 1.00 p.m. LUNCH BREAK
- 2.00 p.m. **POSTER SESSION**
- 3.00 p.m. **Discovery of Low Molecular Weight Inhibitors of the Guanine Nucleotide Exchange Factor VAV1**
M. Gerspacher, Basel/CH

Monday, March 25, 2019

Lecture Hall, Zentralbau Chemie C3

- 3.30 p.m. **Biocatalysis in Drug Discovery and Drug Development- Reimagining the Manufacture of Medicine at Novartis**
R. Snajdrova, Basel/CH
- 4.00 p.m. COFFEE BREAK
- 4.30 p.m. **RNA Therapeutics – Developing the field through advanced medicinal chemistry**
K. Bleicher, Freiburg/DE
- 5:00 p.m. **tba**
S. Ichikawa, Sapporo/JP
- 5.30 p.m. **GENERAL MEETING** (guests are welcome)
of the GDCh Division on Medicinal Chemistry
Mitgliederversammlung der GDCh-Fachgruppe Medizinische Chemie
(Gäste sind herzlich willkommen)
Agenda/Tagesordnung:
1. Vorstellung des neues Fachgruppenvorstands
2. Bericht des Vorsitzenden der Fachgruppe
3. Veranstaltungen der Fachgruppe
4. Zusammenarbeit mit anderen nationalen und internationalen Organisationen
5. Preise
6. Mitgliederstand
7. Verschiedenes
- 6:15 p.m. **GENERAL MEETING** (guests are welcome)
of the DPhG Division of Pharmaceutical/ Medicinal Chemistry
Mitgliederversammlung der DPhG-Fachgruppe Medizinische Chemie
(Gäste sind herzlich willkommen)
Agenda/Tagesordnung:
1. Bericht des Vorsitzenden
2. Zukünftige Tagungen
3. Innovationspreis und weitere wissenschaftliche Preise, Wahl der Jurymitglieder
4. Verschiedenes

Tuesday, March 26, 2019

Lecture Hall, Zentralbau Chemie C3

- 9.00 a.m. **tba**
S. Runyun, Research Triangle Park/US
- 9.30 a.m. **Beta Arrestin-biased Versus G Protein-biased Signaling: What is the Difference?**
E. Kostenis, Bonn/DE
- 10.00 a.m. **COFFEE BREAK**
- 10.30 a.m. **Multi-Parameter Optimization of Pyrrolidinone GPR119 Agonists for the Potential Treatment of Cardiometabolic Diseases**
L. Schwink, Frankfurt (Main)/DE, J. Atzrodt, Frankfurt (Main)/DE, C. Buning, Frankfurt (Main)/DE, A. Czich, Frankfurt (Main)/DE, H. Glombik, Frankfurt (Main)/DE, N. Halland, Frankfurt (Main)/DE, T. Kissner, Frankfurt (Main)/DE, E. Krupp, Frankfurt (Main)/DE, M. Lohmann, Frankfurt (Main)/DE, P. Monecke, Frankfurt (Main)/DE, T. Pähler, Frankfurt (Main)/DE, C. Pöverlein, Frankfurt (Main)/DE, M. Rehberg, Frankfurt (Main)/DE, K. Ritter, Frankfurt (Main)/DE, M. Schäfer, Frankfurt (Main)/DE
- 11.00 a.m. **G Protein-coupled Receptors and Novel Drug Discovery Concepts – The Chemokine CCR2 Receptor as an Example**
L. Heitman, Leiden/NL
- 11.30 a.m. **Innovation Prize**
- 12.00 p.m. **LUNCH BREAK**
- 1.00 p.m. **POSTER SESSION**
- 2.30 p.m. **Navigating Chemical Space with a Focus on Synthetic Accessibility**
P. Kolb, Marburg/DE
- 3.00 p.m. **Computational Evaluation of Progress in Lead Optimization**
J. Bajorath, Bonn/DE
- 3.30 p.m. **COFFEE BREAK**

Tuesday, March 26, 2019

Lecture Hall, Zentralbau Chemie C3

- 4.00 p.m. **Dynamic Docking to Investigate Thermodynamics and Kinetics of Drug-target Binding**
A. Cavalli, Genua/IT
- 4.30 p.m. **Are You Additive? SAR Approaches for Small Molecule Drug Discovery**
C. Kramer, Basel/CH
- 5.00 p.m. **Klaus Grohe Prize**



Wednesday, March 27, 2019

Lecture Hall, Zentralbau Chemie C3

- 8.30 a.m. **Combating EGFR Mutation-Mediated Drug Resistance with Next Generation TKIs**
H. Engelhardt, Vienna/AT, D. Böse, Vienna/AT, M. Petronczki, Vienna/AT, D. Scharn, Vienna/AT, A. Baum, Vienna/AT, P. Ettmayer, Vienna/AT, J. Fuchs, Vienna/AT, A. Bergner, Vienna/AT, G. Bader, Vienna/AT, M. Mayer, Vienna/AT, T. Gerstberger, Vienna/AT, R. Schnitzer, Vienna/AT, T. Wunberg, Vienna/AT, F. Solca, Vienna/AT, M. Pearson, Vienna/AT, N. Kraut, Vienna/AT, J. Quant, Vienna/AT, D. B. McConnell, Vienna/AT
- 9.00 a.m. **Cyclic Dinucleotide STING Agonists for Immunology**
T. Oost, Ingelheim/DE, S. Carotta, Biberach/DE, M. Fleck, Biberach/DE, A. Heimann, Biberach/DE, A. Impagnatiello, Biberach/DE, C. Kuttruff, Biberach/DE, H. Nar, Biberach/DE, O. Schaaf, Biberach/DE
- 9.30 a.m. **Poster Prizes**
- 10.00 a.m. **Ph. D. Prize**
- 10.30 a.m. **COFFEE BREAK**
- 11.00 a.m. **Discovery of the First Oral NPY2R Antagonist**
A. Straub, Wuppertal/DE, M. Brechmann, San Francisco/US, T. Freudenberger, Wuppertal/DE, R. Fricke, Wuppertal/DE, S. Golz, Wuppertal/DE, I. Heisler, Wuppertal/DE, L. Hofmeister, Wuppertal/DE, N. Lindner, Wuppertal/DE, J. Meyer, Wuppertal/DE, T. Mondritzki, Wuppertal/DE, P. Wasnaire, Wupper-tal/DE, R. Webster, Lyon/FR, S. Zimmermann, Wuppertal/DE, D. Zindel, Wuppertal/DE
- 11.30 a.m. **Medicinal Chemistry Driven Innovation in Drug Discovery**
M. Missbach, Basel/CH
- 12.00 p.m. **Closing Remarks**

SOCIAL PROGRAM

Sunday, March 24, 2019

7.30 p.m.

Get-together and Poster Session I

University of Würzburg
 Zentralbau Chemie (building C3)
 Am Hubland
 97074 Würzburg
 (free of charge, booking required)

Monday, March 25, 2019

8.00 p.m.

Guided City Tour at Night (english and german)

Price per person € 7.50
 (booking required)

Meeting point:
 "Vierröhrenbrunnen"
 (next to old river bridge),
 Beim Grafeneckart,
 Würzburg



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Tuesday, March 26, 2019

8.00 p.m.

Congress Dinner

Wine Cellar of the
 Residence Castle;

Meeting point:
 Franconia Fountain
 (directly in front of the
 Residence castle),
 Residenzplatz, Würzburg

Price per Person: € 40,-
 (booking required)
 Wine tasting, soup, and typical franconian cold meal;
 vegetarian possible

The temperature in the cellar is 15 to 18 degrees. You may need some warm clothes.



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▶ POSTER

Deadline for poster submissions: **February 1, 2019**

www.gdch.de/medchem2019

Poster format: Portrait A0 (height: 118.9 cm, width: 84.1 cm)

Prizes will be awarded to the best posters. The winning presenters will be allotted 5 minutes to present their work followed by a discussion (5 min.) on March 27, 2019. Therefore, all poster presenters should be prepared to give such an ultra-short lecture (5 min, 2-3 slides).

▶ VENUE

University of Würzburg
 "Zentralbau Chemie" (building C3)
 Am Hubland
 97074 Würzburg

▶ TRAVEL INFORMATION

Arrival by car

Depending on the direction you are coming from, please refer to: www.uni-wuerzburg.de/pharmazie/services/anreise

Arrival by Train/Public Transportation

From central station: use bus lines 14 or 114

Bus line 14, direction "Gerbrunn": exit at the stop "Am Hubland" (approx. 15 min) and follow the walkway to the campus, crossing the "Theodor-Boveri-Weg". After passing the main library and the cafeteria, the Faculty of Chemistry is located to the left.

Bus line 114, direction "Fachhochschule": exit at "Hubland/Mensa" (approx. 20 min). In direction of the bus running, follow the street "Am Hubland"; the faculty for Chemistry and Pharmacy is located on the left hand side.

See also: www.uni-wuerzburg.de/pharmazie/services/anreise
www.bahn.com (for information about bus schedules)

The "Deutsche Bahn" offers attractive conditions for travelling to GDCh-events. Further information can be found on following link en.gdch.de/railway

▶ ACCOMMODATION

HRS – Hotel Reservation Service will gladly assist in booking accommodation in all categories. Please apply no later than date **February 1, 2019**.

HRS – Hotel Reservation Service
 Blaubach 32
 50676 Köln

Please book online www.hrs.de or through the conference webpage.

Phone: +49 221 2077-7320
 Email: event-online@hrs.de

The customers will be held accountable for non-occupancy of reserved rooms.

▶ REGISTRATION

Please register online not later than **February 10, 2019**

www.gdch.de/medchem2019

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 Event Team / MedChem 2019
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All tickets and congress papers (incl. book of abstracts) will be handed to the participants upon check-in at the registration desk. Participants are requested to wear their congress badges at all times for identification and admittance to the conference rooms.

Upon online registration, payment by credit card, direct debit or bank transfer (only with German bank account) is possible. The invoice will be sent to you automatically

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REGISTRATION FEES¹⁾

GDCh-, DPhG- SCG-member, and member of EuChemS-member societies	€ 290,-
Member, unemployed or retired	€ 170,-
Non-member	€ 340,-
Student** (GDCh-, DPhG- SCG-member, and member of EuChemS-member societies)	€ 75,-
Student** (Non-member)	€ 100,-
Gold-member (with over 50 years of GDCh membership)	free of charge

* Not taxable under German law – exempt from tax under Swiss law.

** valid Student-ID required

If fees are paid in advance, but **after February 10, 2019**, we kindly ask participants to show proof of payment when claiming their tickets and congress papers at the registration desk. Credit cards (Amex, Mastercard, Visa) will be accepted.

CANCELLATION

Requests for cancellation made prior to **February 10, 2019** will be subject to a € 25,- administration fee. After that date the full amount of the invoice has to be paid. Requests for refund will not be accepted; however, registration may be transferred to another member of your organisation. In this case please send a note to the GDCH event team.

If the meeting is cancelled for whatever reason, fees paid will be refunded. Further recourse is excluded.

SCHOLARSHIPS

The GDCh Division of Medicinal Chemistry offers a limited number of scholarships to student division members in education presenting a scientific contribution. Please send your application (form on the internet at www.gdch.de/medchem) until **January 31, 2019**, latest.

BEVERAGES

Coffee, tea, and soft drinks will be provided for free during the breaks.

LUNCH

Lunch will be served directly at the conference site and can be bought upon registration:

Price per meal incl. one drink € 10,-.

DATES

Deadlines

February 1, 2019	Submission of posters
February 10, 2019	Registration
February 10, 2019	Cancellation of participation

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INFORMATION BEFORE AND AFTER THE MEETING

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Executive director: Professor Dr. Wolfram Koch

Registered Charity No.: VR 4453 Registergericht Frankfurt/Main

INFORMATION AND REGISTRATION DURING THE CONFERENCE

Opening hours of the conference office:

Foyer of the Lecture Hall University of Würzburg:

Sunday, March 24, 2019	4.00 p.m. – 6.30 p.m.
Monday, March 25, 2019	8.00 a.m. – 5.00 p.m.
Tuesday, March 26, 2019	8.30 a.m. – 4.30 p.m.
Wednesday, March 27, 2019	8.00 a.m. – 12.00 p.m.

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FURTHER CHEMICAL SOCIETIES

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Swiss Chemical Society (SCS)

(Schweizerische Chemische Gesellschaft, SCG)

Laupenstr. 7

Postfach

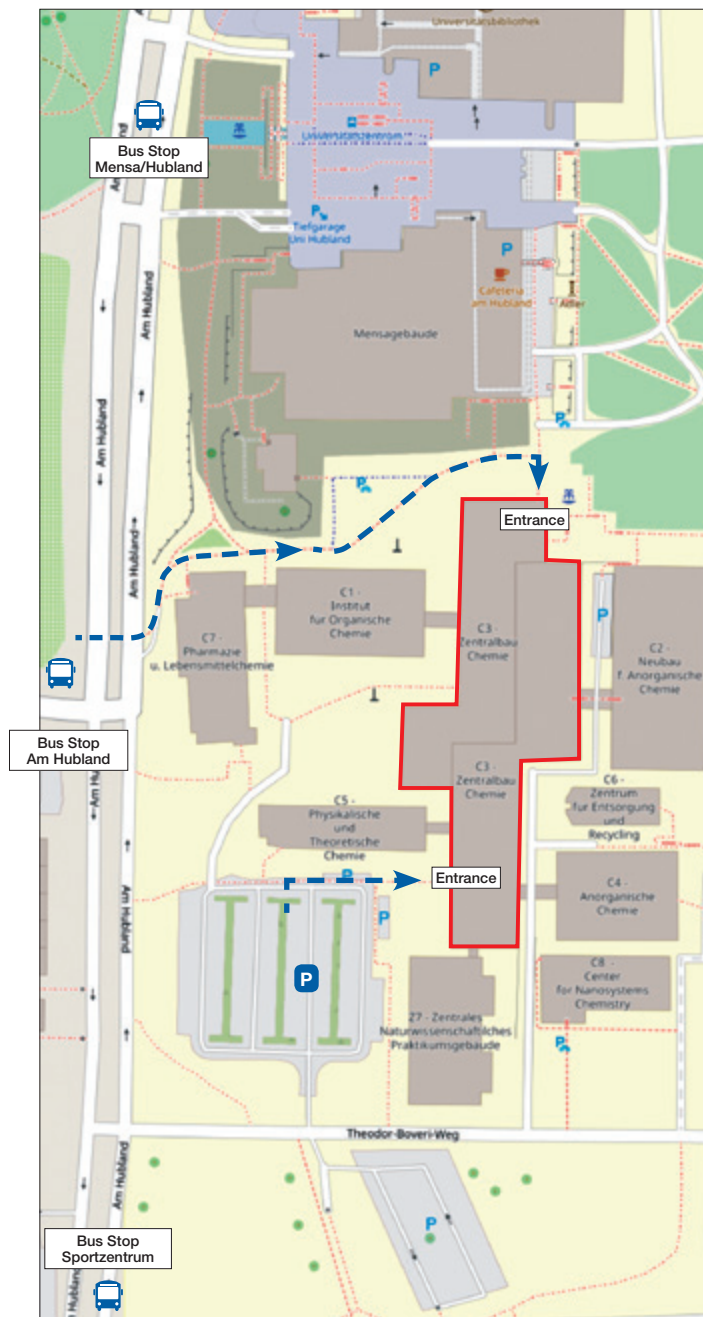
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ACKNOWLEDGEMENTS

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