



GESELLSCHAFT DEUTSCHER CHEMIKER



Fachgruppe Medizinische Chemie

# Frontiers in Medicinal Chemistry

February 12 – 15, 2017 · Bern/CH

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<sup>b</sup>  
**UNIVERSITÄT  
BERN**



**SCS**  
Swiss Chemical  
Society  
Division of  
Medicinal Chemistry &  
Chemical Biology

**DPhG**

Deutsche  
Pharmazeutische  
Gesellschaft e.V.

[www.gdch.de/medchem2017](http://www.gdch.de/medchem2017)



### SCIENTIFIC COMMITTEE

<b>Y. P. Auberson</b>	Basel/CH (President of the DMCCB/SCS)
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<b>C. Müller</b>	Bonn/DE
<b>J.-L. Reymond</b>	Bern/CH

Sunday, February 12, 2017

Lecture Hall U113

- 09.00 a.m. **LS<sup>2</sup> Satellite Meeting**
- 04.00 p.m.
- 06:00 p.m. **Welcome**
- 06:30 p.m. **OPENING LECTURE**  
**tba**  
J. Bradner, Basel/CH
- 07:30 p.m. **POSTER SESSION 1**



Monday, February 13, 2017

Lecture Hall U113

- 08:30 a.m. **Forward Chemical Genetics for Enzymes Involved in Cancer and Autoimmune Diseases**  
A. Adibekian, Geneva/CH
- 09:00 a.m. **Light-Controlled Epigenetics**  
R. Mazitschek, Cambridge/US
- 09:30 a.m. **tba**
- 10:00 a.m. **COFFEE BREAK**
- 10:30 a.m. **Discovery of PF-06840003, a Novel IDO1 Inhibitor for Cancer Immunotherapy**  
S. Crosignani, Charlesroi/BE
- 11:00 a.m. **Endocannabinoids and Metabolic Signaling Networks in Immune Processes**  
J. Gertsch, Bern/CH
- 11:30 a.m. **Development of in Vivo Probes for Chromatin Modification Patterns**  
B. Fierz, Lausanne/CH
- 12:00 a.m. **LUNCH**
- 01:00 p.m. **POSTER SESSION 2**
- 02:30 p.m. **PROTACs: Inducing Protein Degradation as a Therapeutic Strategy**  
C. M. Crews, New Haven/US
- 03:00 p.m. **Discovery and Structure-Based Optimization of Small Molecule Inhibitors of the COP9 Signalosome Subunit 5**  
E. Altmann, Basel/CH
- 03:30 p.m. **COFFEE BREAK**

Monday, February 13, 2017

Lecture Hall U113

- 04:00 p.m. **Targeting the Proteasome by Bioactive Peptides**  
M. Groll, Garching/DE
- 04:30 p.m. **Bioinspired Total Syntheses of Alkaloids Isolated from Medicinal Plants**  
H. Takayama, Chiba/JP
- 05:00 p.m. **POSTER SESSION 3**
- 05:00 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. Bericht des Vorsitzenden der Fachgruppe  
2. Veranstaltungen der Fachgruppe  
3. Zusammenarbeit mit anderen nationalen und internationalen Organisationen  
4. Preise  
5. Entwicklung der Fachgruppe  
6. Verschiedenes
- 05:30 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  
4. Verschiedenes

Tuesday, February 14, 2017

Lecture Hall U113

- 08:30 a.m. **Drug Targeting to the Diseased Liver**  
K. Poelstra, Groningen/NL
- 09:00 a.m. **“Stopping a Silent Killer” – Curing Hepatitis C Virus Infection**  
K. Ritter, Frankfurt (Main)/DE
- 09:30 a.m. **Development of FXR Agonists for the Treatment of Non-Alcoholic Steatohepatitis (NASH) and Other Gastrointestinal Diseases**  
C. Kremoser, Ludwigshafen/DE
- 10:00 a.m. COFFEE BREAK
- 10:30 a.m. **Natural Products and Computational Chemistry**  
G. Schneider, Zürich/CH
- 11:00 a.m. **Structure-Based Design of Potent and Selective Bromodomain Inhibitors**  
A. Caffisch, Zürich/CH
- 11:30 a.m. **Innovation Prize**
- 12:00 a.m. LUNCH
- 01:00 p.m. **POSTER SESSION 4**
- 02:30 p.m. **Characterization of Hydration Sites in Protein-Ligand Complexes for Structure-Based Design**  
H. Matter, Frankfurt (Main)/DE, S. Güssregen, Frankfurt (Main)/DE, G. Hessler, Frankfurt (Main)/DE
- 03:00 p.m. **Next Generation Tools for Structure-Based Drug Design: From Atomistic Quality Assessment to Analoging**  
M. Rarey, Hamburg/DE
- 03:30 p.m. COFFEE BREAK

Tuesday, February 14, 2017

Lecture Hall U113

- 04:00 p.m. **Discovery and Characterization of ACT-451840: An Antimalarial Drug with a Novel Mechanism of Action**  
C. Boss, Allschwil/CH, S. Wittlin, Basel/CH, H. Aissaoui, Allschwil/CH, C. Binkert, Allschwil/CH, R. Brun, Basel/CH, O. Corminboeuf, Allschwil/CH, S. Delahaye, Allschwil/CH, M.-C. Frantz, Allschwil/CH, B. Heidmann, Allschwil/CH, S. Meyer, Allschwil/CH, R. Siegrist, Allschwil/CH, T. Weller, Allschwil/CH
- 04:30 p.m. **Towards the Validation of Vasopressin 1a Receptor Antagonism as a Novel Target for the Treatment of Social Deficits in Autism**  
P. Schnider, Basel/CH
- 05:00 p.m. **Klaus Grohe Prizes**



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Wednesday, February 15, 2017

Lecture Hall U113

- 08:30 a.m. **Tools for Studying Heteroreceptor Dimerization (D2 and Neurotensin Receptors)**  
P. Gmeiner, Erlangen/DE
- 09:00 a.m. **Avenues to DNA-Encoded Libraries – of Chemo-resistant Sequences and Nanoreactors**  
A. Brunschweiler, Dortmund/DE
- 09:30 a.m. **PARP Inhibitor Resistance in BRCA1/2-Mutated Mouse Mammary Tumors**  
S. Rottenberg, Bern/CH
- 10:00 a.m. **PhD Prizes**
- 10:30 a.m. **COFFEE BREAK**
- 11:00 a.m. **Kinase Inhibitors for Cancer Treatment: A Case Study**  
L. Schio, Paris/FR
- 11:30 a.m. **Treating Cancer Using Mitotic Catastrophy – Discovery of Two Clinical Candidates BAY 1161909 and BAY 1217389 Targeting Mps1 Kinase**  
M. Koppitz, Berlin/DE
- 12:00 a.m. **Discovery of a New Generation of Potent and Selective PI3K Delta Inhibitors for Autoimmune and Inflammatory Diseases**  
K. Hoegenauer, Basel/CH
- 12:30 a.m. **Closing Remarks**

## POSTER

Deadline for poster submissions: December 12, 2016

[www.gdch.de/medchem2017](http://www.gdch.de/medchem2017)

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

## SOCIAL PROGRAM

Sunday, February 12, 2017

07:30 p.m.

**Get-together and 1<sup>st</sup> Poster Session**

University of Bern  
Cafeteria + foyer of lecture hall U113 and EG16  
Freiestr. 3  
3012 Bern, Switzerland  
(free of charge, booking required)

Monday, February 13, 2017

07:30 p.m.

**“Trotinett”- Guided City Tour**

UNESCO World Heritage  
Price per person € 33,-\* booking required  
Meeting point: Tourist Information Bern main train station

**Guided Tour through Bern's historic city center**

UNESCO World Heritage  
Price per person € 14,-\* booking required  
Meeting point: Tourist Information Bern main train station

**Einstein Tour**

The tour starts at the Clock tower (Zytglogge). After this you will visit the Einstein-house and you will learn all about his life.  
Price per person € 15,-\* booking required  
Meeting point: Tourist Information Bern main train station

Tuesday, February 14, 2017

08:00 p.m.

**Congress Dinner**

Kursaal (Hotel Allegro)  
Kornhausstr. 3  
3000 Bern 22, Switzerland  
Price per person € 88,-\* incl. buffet and beverages  
booking required

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

## ▶ VENUE

### University of Bern

Department of Chemistry and Biochemistry  
Lecture Hall U113  
Freiestr. 3  
3012 Bern, Switzerland

## ▶ TRAVEL INFORMATION

### Arrival by car

A1/A12 direction Neuchâtel/Fribourg, exit Bern-Neufeld. Turn left in the direction of Länggasse. At the traffic light turn right into Bremgartenstrasse and go straight on to the roundabout. Turn left into Länggassstrasse. At the second traffic light turn right into Muesmattstrasse. Take the first on the left which is Freiestrasse. The DCB is opposite the church. Parking is strictly limited to 60 min in the whole area. For longer parking opt for the railway station car park.

### Arrival by Train/ Public Transportation

After arrival at Bern main station take bus number 12 direction "Länggasse". Get off at "Mittelstrasse" walk into the direction the bus was going, cross the street at the pedestrian crossing opposite the post office, turn right and then immediately left into "Fellenbergstrasse. Walk to the end of the street. The department of chemistry and biochemistry at Freiestrasse 3 is just opposite the church.

see also: [www.dcb.unibe.ch/about\\_us/contact/index\\_eng.html](http://www.dcb.unibe.ch/about_us/contact/index_eng.html)

The „Deutsche Bahn“ offers attractive conditions for travelling to GDCh-events. Further information can be found on following link: [en.gdch.de/railway](http://en.gdch.de/railway)

## ▶ ACCOMMODATION

The Bern Incoming GmbH will gladly assist in booking accommodation in all categories.

Please book online (Deadline: December 11, 2016)

<https://event.onax.ch/Event5Bern/1B98C3F2C3564B14A5517EB3F9F23566/GB> or through the conference webpage.

Phone: +41 31 328 12 60  
E-mail: [info@bern-incoming.ch](mailto:info@bern-incoming.ch)  
Internet: [www.bern-incoming.ch](http://www.bern-incoming.ch)

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

## ▶ REGISTRATION

Please register online not later than **January 1, 2017**

[www.gdch.de/medchem2017](http://www.gdch.de/medchem2017)

GESELLSCHAFT DEUTSCHER CHEMIKER e.V.

Claudia Birkner – Congress Team

Postfach 90 04 40

60444 Frankfurt/Main

Germany

Phone: +49 69 7917-366

E-mail: [tg@gdch.de](mailto:tg@gdch.de)

Internet: [www.gdch.de](http://www.gdch.de)

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.

**GESELLSCHAFT DEUTSCHER CHEMIKER e.V.**

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## ▶ SATELLITE MEETING

A satellite meeting co-organized by LS<sup>2</sup> (Life Sciences Switzerland) will take place on **Sunday, February 12, 09:00 a.m. – 04:00 p.m.** just before the start of the main event. One of the plenary speakers, Alexander Adibekian (UNIGE) will be the chair of this meeting. Master and PhD students are invited to apply at <https://meetings.ls2.ch/medchem> from 15<sup>th</sup> of November onwards for an oral presentation at this event. The satellite meeting is limited to 25 attendees. Registration is free and participants will get up to 100CHF of travel and accommodation support!

For questions to the satellite meeting, please refer to Carolin von Schoultz (Scientific Officer LS<sup>2</sup>, [info@ls2.ch](mailto:info@ls2.ch))



REGISTRATION FEES<sup>1)</sup>

	until Dec. 5, 2016	from Dec. 6, 2016
Academic member (GDCh, DPhG, SCG) and member of EuCheMS-member societies	€ 330,-	€ 380,-
Academic non-member	€ 380,-	€ 430,-
Industry member (GDCh, DPhG, SCG) and member of EuCheMS-member societies	€ 380,-	€ 430,-
Industry non-member	€ 430,-	€ 480,-
Member, unemployed or retired	€ 170,-	€ 210,-
Student** member (GDCh, DPhG, SCG) and member of EuCheMS-member societies)	€ 110,-	€ 130,-
Student** (Non-member)	€ 160,-	€ 180,-
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 1, 2017**, 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 **January 1, 2017** 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 GDCh, congress team.

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

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## 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](http://www.gdch.de/medchem)) until **December 5, 2016**, latest.

## BEVERAGES

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

## LUNCH

Lunch will be served in the University canteen and can be bought upon registration.

Price per meal incl. one drink € 14,50

## INFORMATION BEFORE AND AFTER THE MEETING

GESELLSCHAFT DEUTSCHER CHEMIKER e.V.

Claudia Birkner – Congress Team

P. O. Box 90 04 40

60444 Frankfurt/Main

Varrentrappstr. 40-42

60486 Frankfurt/Main

Germany

Phone: +49 69 7917-366

E-mail: [tg@gdch.de](mailto:tg@gdch.de)

Internet: [www.gdch.de](http://www.gdch.de)

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 Bern:

**Sunday, February 12, 2017**

**04.00 p.m. – 06.30 p.m.**

**Monday, February 13, 2017**

**08.00 a.m. – 05.00 p.m.**

**Tuesday, February 14, 2017**

**08.00 a.m. – 04.30 p.m.**

**Wednesday, February 15, 2017**

**08.00 a.m. – 12.00 a.m.**

Phone: +49 175 335 4803

Fax: +49 69 7917 1366

### ▶ FURTHER CHEMICAL SOCIETIES

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#### **Deutsche Pharmazeutische Gesellschaft e.V.**

(German Pharmaceutical Society (DPhG))

Varrentrappstr. 40-42

60486 Frankfurt/Main

Germany

Phone: +49 69 7191596-0

Fax: +49 69 7191596-29

E-mail: [info@dphg.de](mailto:info@dphg.de)

Internet: [www.dphg.de](http://www.dphg.de)

#### **Swiss Chemical Society (SCS)**

(Schweizerische Chemische Gesellschaft, SCG)

Laupenstr. 7

Postfach

CH-3001 Bern

Switzerland

Phone: +41 31 3106-9242

E-mail: [info@scg.ch](mailto:info@scg.ch)

Internet: [www.scg.ch](http://www.scg.ch)

### ▶ DATES

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#### **Deadlines**

December 5, 2016 Early registration

December 12, 2016 Submission of posters

January 1, 2017 Cancellation of participation



## ACKNOWLEDGEMENTS

### SPONSORS

(Preliminary list November 18, 2016)

Kontaktgruppe für Forschungsfragen (KGF):

