

Monday, March 15, 2004

12.00 **Welcome**
Gmeiner, P., Erlangen/D

OPENING LECTURE

12.15 **The structure and function of rhodopsin and other G-protein coupled receptors**
Stenkamp, R., Seattle/USA

GPCR: Structural Biology and Drug Discovery

13.15 **The conformation of neurotensin bound to its G protein-coupled receptor**
Baldus, M., Göttingen/D

14.00 **"Structure-based drug discovery" in 7TM receptors based on knowledge on molecular mechanisms of activation**
Schwartz, T., Copenhagen/DK

14.45 **Coffee Break**

15.15 **Certain 1,4-disubstituted aromatic piperidines and piperazines with extreme selectivity for the dopamine D4 receptor interact with a common receptor microdomain**
Schetz, J., Fort Worth/USA

16.00 **From rhodopsin to the dopamine D2 receptor: the dimerization interface and a role for the second extracellular loop**
Shi, L., New York/USA

16.45 **Multiple agonist binding sites and mechanism of activation of the histamine H1 receptor**
Leurs, R., Amsterdam/NL

17.30 **Virtual screening of compound and target libraries: Application to the identification of novel GPCR ligands**
Rognan, D., Illkirch/F

18.15 **Poster Session and Mixer**

20.30 **Welcome Reception**

Tuesday, March 16, 2004

GPCR: Structural Biology and Drug Discovery

- 08.30 **Design of Libraries Targeting GPCRs**
Klabunde, T., Frankfurt am Main/D
- 09.15 **Low Molecular Weight Agonists of the LH Receptor?**
Timmers, M., Oss/NL
- 10.00 **Coffee Break**
- 10.30 **N⁶-Acylated argininamides: high affinity NPY Y₁ receptor antagonists, putative prodrugs and pharmacological tools**
Buschauer, A., Regensburg/D
- 11.15 **Selective Dopamine D3 Antagonists for the Potential Treatment of Schizophrenia**
Hendrix, J., Bridgewater/USA
- 12.00 **Expressed Protein Ligation to Obtain Specifically Modified Analogues of Interleukin 8**
David, R., Leipzig/D, Machova, Z, Leipzig/D,
Beck-Sickinger, A.G., Leipzig/D
- 12.15 **Lunch Break**
- 13.15 **General Meeting of the DPhG Division of Pharmaceutical/Medicinal Chemistry (guests are welcome)**
- 14.00 **Discovery of a Novel Class of Potent and Selective, Orally Active NK1-Receptor Antagonists**
Hoffmann, T., Basel/CH
- 14.45 **Design and Synthesis of CCR1 Antagonists**
Baumann, J., Richmond/USA
- 15.30 **Structure/affinity relationship studies on novel opioid- and sigma-receptor ligands**
Wünsch, B., Münster/D
- 16.15 **Coffee Break**

Tuesday, March 16, 2004

Oral Communications

- 16.45 **Development of Highly Potent and Selective Low Molecular Weight Agonists for the Human Orphan Receptor BRS-3**
Weber, D., Garching/D, Kessler, H., Garching/D, Antel, J., Hannover/D
- 17.00 **Different Environments for a Realistic Simulation of GPCRs – Application to the M₂ Muscarinic Acetylcholine Receptor**
Jöhren, K., Düsseldorf/D, Höltje, H.-D., Düsseldorf/D
- 17.15 **Novel Heterocyclic Ring Systems Derived from Caracurine V as Ligands for the Allosteric Binding Site of Muscarinic M2 Receptors**
Zlotos, D.P., Würzburg/D, Sripha, K., Würzburg/D, Gündisch, D., Bonn/D, Mohr, K., Bonn/D
- 17.30 **The solution structure of human GABA-A-receptor-associated protein GABARAP and its interaction with a phage-display selected peptide**
Stangler, T., Jülich/D, Luge, C., Jena/D, Mayr, L., Basel/CH, Willbold, D., Jülich/D
- 17.45 **Structural and functional properties of aquaporins from apicomplexan parasites**
Beitz, E., Tübingen/D, Pavlovic-Djuranovic, S., Tübingen/D, Schultz, J.E., Tübingen/D
- 18.00 **Functional interactions of the membrane anchors of adenylyl cyclases**
Linder, J.U., Tübingen/D, Seebacher, T., Singen/D, Cooper, D.M.F., Cambridge/GB, Schultz, J.E., Tübingen/D
- 20.00 **Conference Dinner**

Wednesday, March 17, 2004

**New Technologies and their Impact
on Drug Discovery**

- 08.30 **Chemische Genetik der Ras-Signalkaskade**
Waldmann, H., Dortmund/D
- 09.30 **A perspective on what we can and can't do
with Computational Chemistry in support of
Drug Discovery**
Hann, M., Stevenage/GB
- 10.30 **Coffee Break**
- 11.00 **High-throughput crystallography for drug
discovery: opportunities and challenges**
Blundell, T., Cambridge/GB
- 12.00 **Lunch Break**
- 13.00 **General Meeting of the GDCh Division of
Medicinal Chemistry (guests are welcome)**
- 14.00 **Discussions within three break-out-groups**
- 14.00 **Prodrug Strategies: Concepts, Rationales and
Guidelines**
Clement, B., Kiel/D
- 16.00 **Panel Discussion**

Tuesday, March 16, 2004

- 13.15 **General Meeting of the DPhG Division of Pharmaceutical/Medicinal Chemistry (guests are welcome)**

Mitgliederversammlung der DPhG-Fachgruppe Pharmazeutische/Medizinische Chemie (Gäste sind herzlich willkommen)

AGENDA / TAGESORDNUNG:

1. Protokoll
2. Bericht des Vorsitzenden
3. Vortragsangebote der Fachgruppe
4. Tagungen
5. Innovationspreis für Medizinische Chemie
6. Ausbildungsfragen
7. Finanzielle Situation an den Universitäten
8. Verschiedenes

Wednesday, March 17, 2004

- 13.00 **General Meeting of the GDCh Division on Medicinal Chemistry (guests are welcome)**

Mitgliederversammlung der GDCh-Fachgruppe Medizinische Chemie (Gäste sind herzlich willkommen)

AGENDA / TAGESORDNUNG:

1. Bericht des Vorsitzenden der Fachgruppe
2. Jahrestagung der Fachgruppe im Jahr 2005
3. Zusammenarbeit mit anderen nationalen und internationalen Organisationen
4. Verschiedenes

POSTER

It is still possible to submit posters for the meeting

<http://www.medchem.uni-erlangen.de/frontiers.html>

Deadline for submissions: February 22, 2004

SOCIAL PROGRAM

Monday, March 15, 2004 20.30

A Reception will take place at the Orangery

Schloßgarten 1, Erlangen (free of charge, booking required)

Tuesday, March 16, 2004 20.00

The Conference Dinner will take place at the

Hotel Bayerischer Hof, Schuhstr. 31, Erlangen (Price per

person (without drinks) EUR 25,-, booking required)

Location

The meeting will take place at the

Emil-Fischer-Center of the Friedrich Alexander University

Fahrstr. 17/Schuhstr. 19, D-91052 Erlangen

Travel Information**By car**

1. Coming from highway A73 from the South (Nürnberg): Take exit Erlangen Centrum and turn to the right (direction Erlangen-Ost). Keep straight on at the Werner-von-Siemens Strasse to the 3rd traffic light, there turn left to the Sieboldstrasse. After you have passed the next intersection with traffic lights you will see the Emil-Fischer-Center on the left side.

2. Coming from highway A73 from the North (Bamberg): Take exit Erlangen Centrum. Keep straight on (direction Erlangen-Ost) at the Werner-von-Siemens Strasse to the 4th traffic light, there turn left to the Sieboldstrasse. After you have passed the next intersection with traffic lights you will see the Emil-Fischer-Center on the left side.

By train

It takes about 10 minutes to walk from the Erlangen main station to the meeting place (distance: ~1000m). Leave the station

R E G I S T R A T I O N F O R M

per Fax or to:

German Chemical Society (GDCh)
Congress Department / MedChem 2004
P.O. Box 90 04 40

D-60444 Frankfurt am Main

Please remove the registration form!

Fax No. +49-69-7917-475

Method of payment (please mark)

Bank transfer (free of bank commission)

Please charge to my credit card

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Expiration Date: / CCVC:

German Chemical Society (GDCh)
Congress Department / MedChem 2004
P. O. Box 90 04 40
D-60444 Frankfurt am Main

The CCVC is a credit card verification code printed (and only printed) as a number on one side of your credit card (CC). Your CC transaction becomes even more secure in online systems if you use the CCVC. It prevents from abusing CC numbers found by unauthorized persons. Please input the **3 rightmost digits** of your CCVC in the field CCVC on the left.

Place/Date

Signature

Registration

Please return one completed form for each participant no later than **February 15, 2004** to the address overleaf or send it to the following fax-number: **+49-69-7917-475**.

Online registration is preferred at:

<http://www.medchem.uni-erlangen.de/frontiers.html>

Mr Mrs Prof. Dr.

Family name _____

First name _____

Company or _____

Institute _____

Street/P. O. Box _____

Zip/City/Country _____

Phone _____

Fax _____

E-mail _____

Frontiers in Medicinal Chemistry March 15-17, 2004, Erlangen

<input type="checkbox"/> GDCh-member, DPhG-member and member of FECS-member societies	EUR 210,--	EUR ____
<input type="checkbox"/> Member, unemployed and retired	EUR 105,--	EUR ____
<input type="checkbox"/> Non-member	EUR 250,--	EUR ____
<input type="checkbox"/> Student – GDCh/DPhG-member (valid student card required)	EUR 50,--	EUR ____
<input type="checkbox"/> Student – Non-member (valid student card required)	EUR 60,--	EUR ____
<hr/>		
<input type="checkbox"/> Reception, March 15	Free of charge	
<input type="checkbox"/> Conference Dinner	EUR 25,--	EUR ____
<input type="checkbox"/> Lunch, March 16	EUR 6,--	EUR ____
<input type="checkbox"/> Lunch, March 17	EUR 6,--	EUR ____

Place/Date _____

Signature _____

Please pay your fee after having received the invoice.
Code: 5261 / MedChem 2004

(exit to the city (east)) and go straight on at the road on the left hand side (Richard Wagner Strasse). You should pass a church which can be seen at the right side. Keeping straight on you will enter the Universitätsstrasse; follow this until you find the Fahrstrasse which branches off at the right side.

By plane

The nearest airports are the Airport Nürnberg. The transport to the conference location by taxi takes 20 min. Connections by train or bus are also available.

Train

Take the subway to the center railway station of Nürnberg (Line U1). From there you can take several trains going to Erlangen station. See section "By train" accordingly.

Bus

From Nürnberg airport take the bus (number 32) going to Nürnberg-Thon. Please change there to bus number 30 (destination Erlangen). Get off on bus stop "Bahnhofsplatz". See "By train" from there.

Registration

Please register online via internet not later than

February 15, 2004

<http://www.medchem.uni-erlangen.de/frontiers.html>

All tickets and congress papers (incl. book of abstracts) will be given to 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 or direct debit is preferred. If you want to pay by bank transfer (free of bank commission) please do not forget to print out the invoice at the end of your online-registration.

Participants who sent the registration form by regular mail or fax are requested to pay the fees after having received the invoice to the following account (free of bank commission):

GESELLSCHAFT DEUTSCHER CHEMIKER
 Dresdner Bank AG Frankfurt am Main
 Routing Number (BLZ) 500 800 00
 Account No. (Kto.Nr.) 4 900 200 00
 Code: 5261 / MedChem 2004

Attention

Participants from EU countries except Germany please use IBAN (International Bank Account Number) and SWIFT-BIC (Bank Identifier Code) instead of Bank account and Bank name:

Gesellschaft Deutscher Chemiker
 Dresdner Bank AG Frankfurt am Main
 IBAN DE85 5008 0000 0490 0200 00
 SWIFT-BIC DRES DE FF

Registration Fees

GDCh-member, DPhG-member and member of FECS-member societies	€ 210,--
Member, unemployed and retired	€ 105,--
Non-member	€ 250,--
Student – GDCh-member, DPhG-member (valid student card required)	€ 50,--
Student – Non-member (valid student card required)	€ 60,--

If fees are paid in advance, but after February 15, 2004, we kindly ask participants to show proof of payment when claiming their tickets and Congress papers at the Congress Office. Credit cards (Mastercard, VISA) will be accepted.

Requests for cancellation made prior to February 27, 2004 will be subject to a 25,-- EUR 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 organization. In this case please send a note to GDCh, Congress Department.

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

Scholarship

We can offer scholarships to a limited number of students, candidates for doctor's and diploma's degree presenting a poster. Applications from the scientific head should be sent to the GDCh, Congress Department, until February 22, 2004.

Beverages

will be provided for free during the breaks.

Lunch

Lunch will be provided at the mensa (self-service) of University Erlangen. Please order lunch tickets with the registration.

Price per lunch: **EUR 6,--**
(including a main course and one soft drink)

Room reservation

At the Hotel Bayerischer Hof Erlangen a limited number of rooms are reserved for the participants:

Hotel Bayerischer Hof
Schuhstrasse 31
D-91052 Erlangen

Phone: +49 (91 31) 78 50
Fax: +49 (91 31) 2 58 00
E-mail: bay.hof.erlangen@gmx.net
Homepage: www.bayerischer-hof-erlangen.de

Room, breakfast incl. EUR 89,--

Booking code: GDCh 1503

Application for accommodation should be made until

February 15, 2004

Participants, who wish to make room reservation in another hotel or youth hostel, are requested to contact

Erlanger Tourismus und Marketing Verein e.V.

Phone: +49 (91 31) 89 51-0

Fax: +49 (91 31) 89 51-51

E-mail: tourist@ekm-erlangen.de

Kultur und Freizeitamt

Jugendherberge/Gästehaus

Südliche Stadtmauerstr. 35

D-91054 Erlangen

Phone: +49 (91 31) 86 25 55

Fax: +49 (91 31) 86 21 19

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

Information before and after the meeting

German Chemical Society (GDCh)
 Congress Department / MedChem 2004
 P.O. Box 90 04 40
 D-60444 Frankfurt am Main

Phone +49 (69) 7917-358
 Fax +49 (69) 7917-475
 E-Mail tg@gdch.de
 Homepage <http://www.gdch.de>

Information during the meeting

The conference office will be located in front of the lecture hall.
 Opening hours:

Monday, March 15, 2004	11.00 – 17.00
Tuesday, March 16, 2004	08.00 – 17.00
Wednesday, March 17, 2004	08.00 – 13.00

Phone: +49 (91 31) 8 52 93 83
 Fax: +49 (91 31) 8 52 25 85

Information about**German Pharmaceutical Society**

Deutsche Pharmazeutische Gesellschaft
 Hamburger Allee 26-28
 D-60486 Frankfurt am Main

Homepage <http://www.dphg.de>

Dates**Deadlines:**

February 22, 2004	Submission of poster
February 15, 2004	Personal registration
February 15, 2004	Room reservation

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