ANNUAL MEETING
March 13 – 16, 2005 • Leipzig

Frontiers in Medicinal Chemistry

Major Topics:
- Novel Approaches in Cancer Treatment
- Metabolic Syndrome
- Recent Advances in CNS-Therapies
- Highlights in Medicinal Chemistry
<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Role</th>
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<tbody>
<tr>
<td>A. G. Beck-Sickinger</td>
<td>Leipzig</td>
<td>Co-Chair of the committee</td>
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<tr>
<td>K. Eger</td>
<td>Leipzig</td>
<td>Co-Chair of the committee</td>
</tr>
<tr>
<td>H. U. Stilz</td>
<td>Frankfurt/Main</td>
<td>Chairman of the GDCh division</td>
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<tr>
<td>B. Clement</td>
<td>Kiel</td>
<td>Chairman of the DPhG division</td>
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<td>P. Gmeiner</td>
<td>Erlangen</td>
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<td>G. Klebe</td>
<td>Marburg</td>
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<td>B. Kutscher</td>
<td>Frankfurt am Main</td>
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<tr>
<td>E. Ottow</td>
<td>Berlin</td>
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</tbody>
</table>
Sunday, March 13, 2005

18.00 Welcome to Frontiers in Medicinal Chemistry

18.30 OPENING LECTURE
The Means to Realize Drug Discovery and Development
Trost, B., Stanford/USA

20.00 Welcome Party (see page 8)

Monday, March 14, 2005

Novel Approaches in Cancer Treatment

8.30 Exploiting Structural Principles to Generate Protein Kinase Inhibitors
Nobel, M., Oxford/GB

9.15 Novel Inhibitors of Signal Transduction – New Hope for Cancer Patients
Riedl, B., Wuppertal/D

10.00 Coffee Break / Poster

10.30 Novel KDR Kinase Inhibitors
Hartman, G., West Point/USA

11.15 The Development of Selective Aurora Kinase A and B Inhibitors
Mortlock, A., Alderley Park/GB

12.00 Lunch Break / Poster

13.30 Epothilones: From a Natural Product to a Fully Synthetic Clinical Development Candidate
Klar, U., Berlin/D

14.15 Design of Highly Potent HDAC-inhibitors as a Novel Class of Potential Anticancer Agents
Körner, M., Penzberg/D

Current Issues in Medicinal Chemistry

15.00 Development of Anti-Viral Peptides Targeting at the Cell/virus Fusion Steps: Practice in HIV-1 and SARS-CoV
Otaka, A., Kyoto/J

15.30 Coffee Break / Poster
Monday, March 14, 2005

16.00  Antitumor Active Cobalt-Alkyne Complexes Derived from Acetylsalicylic Acid: Studies on the Mode of Drug Action.  
Ott, I., Berlin/D

16.15  Development of Potent 3-Amidinophenylalanine-derived Inhibitors of Matriptase as Potential Anti-Invasive Drugs  
Steinmetzer, T., Jena/D

16.30  Targeting the Parasite-Host Interface: Aquaporins from the Causative Agents of Malaria, Toxoplasmosis and Sleeping Sickness  
Beitz, E., Tübingen/D

16.45  Inhibitors of Human Glutaminyl Cyclase (QC) – New Drugs to Fight Neurodegeneration  
Heiser, U., Halle/D

17.00  A Strategy for Protein Structure Determination Based On Chemical Cross-Linking and High-Resolution Mass Spectrometry  
Sinz, A., Leipzig/D

17.15  Computational Drug Design “Beyond the Single Structure”: Simultaneous Docking to Multiple Targets and Derivation of Novel Scoring Functions  
Sotriffer, C., Marburg/D

17.30  The Impact of Click Chemistry on SPOS Based Drug Design  
Löber, S., Erlangen/D

17.45  The Structure of a pH Sensing Mycobacterial Adenylyl Cyclase Holoenzyme  
Linder, J., Tübingen/D

18.15-  General Meeting of the GDCh Division of Medicinal Chemistry (guests are welcome)

19.00  Social Event: Leipzig at Night  
Exploring the City by Streetcar
## SCIENTIFIC PROGRAM

**Tuesday, March 15, 2005**

### Metabolic Syndrom

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8.30</td>
<td>Molecules and Mechanisms in the Metabolic Syndrome&lt;br&gt;Stumvoll, M., Leipzig/D</td>
</tr>
<tr>
<td>9.15</td>
<td>Optimising DPPIV Inhibitors: A Case Story&lt;br&gt;Christensen, I. T., Copenhagen/DK</td>
</tr>
<tr>
<td>10.00</td>
<td>Selective Adenosine A1 Agonists. Structure Activity Investigation and Potential Role of Adenosine A1 Agonists for the Therapy of Type 2 Diabetes&lt;br&gt;Jähne, G., Frankfurt/D</td>
</tr>
<tr>
<td>10.45</td>
<td><strong>Coffee Break / Poster</strong></td>
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### Recent Advances in CNS-Therapies

<table>
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<tr>
<td>11.15</td>
<td>Central Mechanisms of Inflammatory Pain: Implications for Novel Analgesics&lt;br&gt;Zeilhofer, H.-U., Erlangen/D</td>
</tr>
<tr>
<td>12.00</td>
<td>2-Amino-Pyrimidines as Selective Adenosine hA2a Receptor Antagonists&lt;br&gt;Norcross, R., Basel/CH</td>
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<tr>
<td>12.45</td>
<td><strong>Lunch Break / Poster</strong></td>
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<tr>
<td>14.00</td>
<td>Cyclin Dependent Kinase Inhibitors: A New Option for the Development of Anticancer and Anti-Alzheimer Drugs?&lt;br&gt;Kunick, C., Braunschweig/D</td>
</tr>
<tr>
<td>15.30</td>
<td><strong>Coffee Break / Poster</strong></td>
</tr>
<tr>
<td>16.45</td>
<td>Monoamine Reuptake Inhibition – There is Life in the Old Dog yet&lt;br&gt;Walter, M., Windlesham/GB</td>
</tr>
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<td>17.45</td>
<td>General Meeting of the DPhG Division of Pharmaceutical/Medicinal Chemistry (guests are welcome)</td>
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<tr>
<td>20.00</td>
<td>Lecture of Prof. G. Folkers, ETH Zürich: Emotion and Therapy; Donation of Poster- and Innovationprices; Dinner (see page 8)</td>
</tr>
</tbody>
</table>
Highlights

8.30 Highlight in Metabolism: Considerations of Cytochrome P450 Enzymes in Bioavailability and Safety Issues in Drug Development
Guengerich, F. P., Nashville/USA

9.15 Highlight in Structure: Discovery of the Novel Antithrombotic Agent BAY 59-7939, an Orally Active, Direct Factor Xa Inhibitor
Wild, H., Wuppertal/D

10.00 Coffee Break

10.30 Highlight in Screening: Living Microarrays – Novel Cell Based Biochips for Functional, High Content and Real Time Screening of Drugs
Robitzki, A., Leipzig/D

11.15 Highlight in Modelling: Structure-based Design of Coagulation Inhibitors
Gerlach, K., Biberach/D

12.00 Highlight in Synthesis
N.N.

12.45 Closing Remarks

13.00 End of Meeting
Monday, March 14, 2005

18.15 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. Zukünftige Tagungen
3. Zusammenarbeit mit anderen nationalen und internationalen Organisationen
4. Innovationspreis in Medizinisch/ Pharmazeutischer Chemie
5. Verschiedenes

Tuesday, March 15, 2005

17.45 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. Tagungen
4. Innovationspreis für Medizinische Chemie
5. Ausbildungsfragen insbesondere Bachelor/Master- Studiengänge
6. Finanzielle Situation an den Universitäten
7. Verschiedenes
POSTER

It is still possible to submit posters for the meeting

www.biochemie.uni-leipzig.de/frontiers/default.asp

Deadline for submissions: **February 15, 2005**

SOCIAL PROGRAM

**Sunday, March 13, 2005**  19.30

**A Welcome Party** will take place in the BioCity Leipzig (free of charge, booking required)

**Monday, March 14, 2005**  19.30 – 20.30

**Leipzig at Night** (guided tour by streetcar)
The tour starts directly from BioCity and ends downtown.
Price per Person: € 10,-, booking required

**Tuesday, March 15, 2005**  20.00

**Lecture** of Prof. G. Folkers, ETH Zürich: Emotion and Therapy; **Donation** of Poster and Innovationprices; **Dinner** will take place at the ‘Bayerischer Bahnhof’, Dinner included, drinks at your own expenses, booking required

www.bayerischer-bahnhof.de
Please send back the filled in booking form or to fax no.: +49 (0) 341-710 42 51
Please send back the filled in booking form or to fax no.: +49 (0) 341-7 10 42 51

Leipzig Tourist Service e.V.
Richard-Wagner-Straße 1
04109 Leipzig

Phone: +49 (0) 341-710 42 52

Frontiers in Medicinal Chemistry
March 13 – 16, 2005 in Leipzig

Please note:
Booking with this form and applying the quoted special rates will only be possible by 05.02.2005.

After booking you will receive a confirmation.

I would like to make the following booking:

Arrival on: ____________  Departure on: ____________

Number of rooms: _______
Registration

Please return one completed form for each participant no later than February 15, 2005 to the address overleaf or send it to the following fax-number:

+49-69-7917-475

German Chemical Society (GDCh)
P.O. Box 90 04 40
D-60444 Frankfurt am Main

Congress Department / MedChem 2005

March 13 – 16, 2005, Leipzig
Frontiers in Medicinal Chemistry

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+49-69-7917-475

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German Chemical Society (GDCh)  
Congress Department / MedChem 2005  
P. O. Box 90 04 40  
D-60444 Frankfurt am Main

METHOD OF PAYMENT (please mark)

☐ Bank transfer (free of bank commission)

☐ Please charge to my credit card

☐ VISA   ☐ MASTERCARD

Expiration Date:   /   CCVC:   

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
Online registration is preferred at: http://www.biochemie.uni-leipzig.de/frontiers/default.asp

Please pay your fee after having received the invoice. Code: 5269 / MedChem 2005

<table>
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<tr>
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<th>Mrs.</th>
<th>Prof.</th>
<th>Dr.</th>
<th>GDCh-member No.</th>
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**Frontiers in Medicinal Chemistry**  
March 13 – 16, 2005, Leipzig

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<td>GDCh-member, DPhG-member and member of EuCheMS-member societies</td>
<td>€ 240,00</td>
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<td>Member, unemployed and retired</td>
<td>€ 120,00</td>
</tr>
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<td>Non-member</td>
<td>€ 320,00</td>
</tr>
<tr>
<td>☐</td>
<td>Student – GDCh/DPhG-member*</td>
<td>€ 60,00</td>
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<tr>
<td>☐</td>
<td>Student – Non-member*</td>
<td>€ 80,00</td>
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</tbody>
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*valid student card required

- Welcome Reception: Free of charge
- Leipzig at Night: € 10,00
- Lecture, Donation, Dinner: Free of charge

Please pay your fee after having received the invoice. Code: 5269 / MedChem 2005
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<th>Hotel Name</th>
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<td>Günnewig Hotel “Vier Jahreszeiten”</td>
<td>single room</td>
<td>€ 105.00</td>
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<td>(Kurt-Schumacher-Straße)</td>
<td>double room</td>
<td>€ 130.00</td>
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<td>Hotel Novotel</td>
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<td>(Goethestraße)</td>
<td>double room</td>
<td>€ 112.00</td>
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<td>Seaside Park Hotel</td>
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<td>(Richard-Wagner-Straße)</td>
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<td>€ 95.00</td>
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<td>(Augustusplatz)</td>
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<td>(Paul-Gruner-Straße)</td>
<td>double room</td>
<td>€ 85.00</td>
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<td>Hotel Holiday Inn Garden Court</td>
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<tr>
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The above prices apply per night and room and include breakfast and statutory VAT.
LOCATION
The meeting will take place at the Biotechnological Biomedical Center (BBZ) in the BioCity, Deutscher Platz 5, 04103 Leipzig. (www.bio-city-leipzig.de)

TRAVEL INFORMATION

Arrival by car
Leipzig can be easily reached by car via A9 (Berlin, Munich) or A14 (Magdeburg, Dresden). The most suitable exit is Leipzig-Mitte (exit 17a) of A14. Then follow the main road B2 south (Maximilian-Allee, Rackwitzer Straße, Brandenburg-Straße, Ludwig-Erhard-Straße, Gerichtsweg). At corner Gerichtsweg/Prager Straße turn left into Prager Straße and follow the main road. At the second major intersection turn right into Semmelweiss Straße, then left to reach the Deutsche Platz. The Biocity where the Biomedical Biotechnological Center is located is at the right side. Helpful signs within the city that guide you to this place are “Alte Messe”, “Max-Planck Institute of Evol. Anthropology” and “BioCity” that are closeby or “Völkerschlachtdenkmal” that is located in the south of the BioCity.

Arrival by train
Leipzig can be easily reached by train. Direct ICE connections are running from Munich, Hamburg, Berlin, Dresden and Frankfurt. From Leipzig main station take the tramway line 16 towards Lößnig until station “Deutscher Platz”. The BioCity is now in walking distance Deutscher Platz No.5 at the right side.

Arrival by plane
Leipzig/Halle Airport is located near motorway interchange Schkeuditzer Kreuz (A9, A14). The distance to Leipzig is about 18 km, to Halle 23 km. The Flughafen Express of Deutsche Bahn AG is shuttling between the airport and Leipzig main station (duration 15 min, running every 30 min). From their take the tramway line 16 towards Lößnig until station “Deutscher Platz”.
REGISTRATION

Please register online via internet not later than **February 15, 2005**

[www.biochemie.uni-leipzig.de/frontiers/default.asp](http://www.biochemie.uni-leipzig.de/frontiers/default.asp)

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: 5269 / MedChem 2005

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**
Code: 5269 / MedChem 2005
REGISTRATION FEES

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* valid student card required

If fees are paid in advance, but after **February 15, 2005**, 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 21, 2005** 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 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 15, 2005**.

[www.gdch.de/vas/tagungen/stipendien.htm](http://www.gdch.de/vas/tagungen/stipendien.htm)

BEVERAGES

Will be provided for free during the breaks.

LUNCH

There is a cafeteria in the BioCity and the Max-Planck Institute next building. Cold and hot dishes are offered at both places at your own expense.
ROOM RESERVATION

Please send your room reservation with the enclosed form to:

Leipzig Tourist Service e.V.
Richard-Wagner-Straße 1
D-04109 Leipzig

Phone: +49 (0)341 7104-255
Fax: +49 (0)341 7104-251
E-mail: Katrinprenzel@LTS-Leipzig.de
Homepage: www.leipzig.de/de/tourist/index.htm
(Link ‘Unterkunft’)

Application for accommodation should be made until February 5, 2005.

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 2005
P.O. Box 90 04 40
D-60444 Frankfurt am Main
Varrentrappstr. 40-42
D-60486 Frankfurt am Main

Phone +49-69-7917-364 (Anne Herzog)
Fax +49-69-7917-475
E-Mail tg@gdch.de
Homepage www.gdch.de/vas.htm

INFORMATION AND REGISTRATION DURING THE MEETING

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

Sunday, March 13, 2005 16.00 – 18.30
Monday, March 14, 2005 08.00 – 16.30
Tuesday, March 15, 2005 08.00 – 16.30
Wednesday, March 16, 2005 08.00 – 12.00
GENERAL INFORMATION

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 5, 2005 Room reservation
February 15, 2005 Personal registration
February 15, 2005 Submission of poster
Chemie schafft neue Strukturen

JAHRESTAGUNG 2005

www.gdch.de