

14th Scientific Symposium of the Austrian Pharmacological Society (APHAR)

21–22 November 2008

Departments of Pharmacology
Medical University of Innsbruck and
Leopold-Franzens-University Innsbruck



Organisation:

Jörg Striessnig
Reiner Fischer-Colbrie
Günther Sperk
Andrea Laslop
Ernst Singer
Michael Freissmuth
Peter Placheta
Brigitte Blöchl-Daum
Peter Holzer
Thomas Griesbacher



Hans Horst Meyer
Award 2008



Heribert Konzett
Award 2008

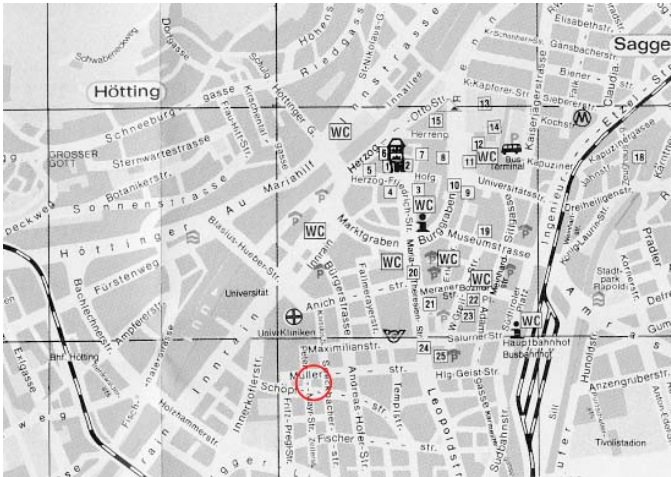
<http://www.aphar.at>



LOCATION

Departments of Pharmacology

Peter-Mayr-Straße 1 / 1a, A-6020 Innsbruck



REGISTRATION FEES AND ORGANISATION

Registration Fee:	€ 30.– (Please pay the registration fee at the registration desk) Reduced registration fee for retired members of APHAR and for students <u>with written confirmation</u> of student status: € 15.– (The confirmation form can be downloaded from: http://www.aphar.at/2008/student.rtf and should be signed by the head of the institution) Participation is free of charge for plenary speakers and for APHAR honorary members.
Travel Grants:	A limited number of travel grants (€ 250) are available for students of institutions outside Innsbruck. Please use the application form (http://www.aphar.at/2008/reko08.rtf) and return it by fax (+43 1 4277-9641). Grants will be awarded in the order of their arrival.
Registration Desk:	Institute of Pharmacology, Medical University of Innsbruck Peter-Mayr-Straße 1a, A-6020 Innsbruck, Tel: +43 (512) 9003-71201, Fax: +43 (512) 9003-73200 e-mail: pharmakologie@i-med.ac.at Opening hours: Fri 21 Nov: 08:30 – 18:00 Sat 22 Nov: 08:30 – 12:00
Language:	All presentations shall be given in English.
Organisation:	Austrian Pharmacological Society (APHAR) President: Andrea Laslop, AGES PharmMed, Tel: + 43 (1) 50555-36800, Fax: +43 (1) 50888-36809, andrea.laslop@ages.at Secretary: Michael Freissmuth, Department of Pharmacology, Medical University of Vienna Tel: +43 (1) 4277-64171, Fax: +43 (1) 4277-9641, michael.freissmuth@meduniwien.ac.at
Abstracts:	Abstracts are published online in <i>BMC Pharmacology</i> , 2008; 8 (Suppl. 1) (http://www.biomedcentral.com/1471-2210/8?issue=S1)

**CLINICAL SECTION OF THE
AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)**

Chair: Markus Zeitlinger (*Wien*)

SHORT COMMUNICATIONS

- 9:00 **Decreased blood-brain barrier P-glycoprotein function with aging**
A 48 ↪ *Martin Bauer, Rudolf Karch, Aiman Abraham, Claudia C Wagner, Kurt Kletter, Markus Müller and Oliver Langer (Seibersdorf, Wien)*
- 9:15 **A combined accelerator mass spectrometry/positron emission tomography microdose study to assess the plasma and brain tissue pharmacokinetics of ¹¹C- and ¹⁴C-labelled verapamil in healthy volunteers**
A 49 ↪ *Claudia C Wagner, Marie Simpson, Graham Lappin, Rudolf Karch, Aiman Abraham, Thomas Feurstein, Martin Bauer, Markus Zeitlinger, Kurt Kletter, Markus Müller and Oliver Langer (Seibersdorf, Wien, York)*
- 9:30 **Effect of dual endothelin receptor blockade on ocular blood flow in patients with glaucoma and healthy subjects**
A 50 ↪ *Michael Lasta, Hemma Resch, Katharina Karl, Günther Weigert, Michael Wolzt, Anton Hommer, Leopold Schmetterer and Gerhard Garhöfer (Wien)*
- 09:45 **Re-establishment of normal blood flow is mandatory to restore intramuscular high energy phosphate levels after transient ischemia**
A 52 ↪ *Martin Andreas, Albrecht I Schmid, Daniel Doberer, Martin Meyerspeer, Ewald Moser, Michael Roden and Michael Wolzt (Wien, Düsseldorf)*
- 10:00 **The aptamer ARC1779 is a potent and specific inhibitor of von Willebrand Factor-mediated ex vivo platelet function in ST-elevation and non-ST-elevation acute myocardial infarction**
A 54 ↪ *Alexander O Spiel, Florian B Mayr, Nathalie Ladani, Patricia G Merlino, Robert Schaub, Jim Gilbert and Bernd Jilma (Wien, Cambridge)*

10:15 *Posters and Coffee Break*

SHORT COMMUNICATIONS

- 11:15 **Voriconazole and target-site penetration into human tissue**
A 57 ↪ *Stefan Weiler, Rosa Bellmann-Weiler, Stefan Dunzendorfer, Michael Joannidis and Romuald Bellmann (Innsbruck)*

PLENARY LECTURE (APHAR)

- 11:30 **Structure of the stress hormone receptor: β_1 adrenergic receptor**
↪ **Gebhard FX SCHERTLER** (*MRC Laboratory of Molecular Biology, Cambridge, UK*)

12:15 **MITGLIEDERVERSAMMLUNG DER SEKTION KLINISCHE PHARMAKOLOGIE**

Members of the APHAR Section of Clinical Pharmacology only

Teilnahmeberechtigt sind alle Mitglieder der Sektion Klinische Pharmakologie der APHAR. Gemäß § 12 der Statuten wird den Sektionsmitgliedern die vorläufige Tagesordnung spätestens vier Wochen vor der Sektionsversammlung zugesandt. Gemäß § 3 der Geschäftsordnung der Sektion sind weitere Anträge zur Tagesordnung bis spätestens sieben Tage vor der Sektionsversammlung bei der Sektionsleitung schriftlich einzureichen

AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)

Chair: Alexandra Koschak (*Innsbruck*)

SHORT COMMUNICATIONS

- 13:30 The role of prostacyclin in the interaction of endothelial cells and eosinophil granulocytes
A 13 ↳ Viktória Kónya, *Eva M Sturm, Zoltán Bálint, Martin Krenn and Ákos Heinemann (Graz)*
- 13:45 Efforts to induce cardiac electrophysiological properties in skeletal myoblasts in vitro
A 41 ↳ *Xaver Koenig, Eva Zebedin-Brandl, Markus Mille, Michael Schnürch, Moumita Koley, Marko D Mihovilovic, Rene Cervenka, Hannes Todt and Karlheinz Hilber (Wien)*
- 14:00 TRPC3 as a key player in electrical remodelling of atrial myocardium
A 31 ↳ Zora Saad, *Petra Eder, Klaus Zorn-Pauly and Klaus Groschner (Graz)*

Chair: Markus Müller (*Wien*)

PLENARY LECTURE (CLINICAL SECTION OF APHAR)

- 14:15 Impact of Pharmacogenetics and Pharmacogenomics on Drug Discovery
↳ Klaus LINDPAINTNER (*Roche, Basel*)

15:00 *Posters and Coffee Break*

Chair: Hannes Todt (*Vienna*)

SHORT COMMUNICATIONS

- 16:00 Neurodegeneration and plastic changes in parahippocampal regions of the rat after kainic acid-induced epilepsy
A 18 ↳ Meinrad Drexel, *Elke Kirchmair and Günther Sperk. (Innsbruck)*
- 16:15 C-terminal mutation induces a folding defect in the serotonin transporter
A 7 ↳ Ali Elkasaby, *Subhdeep Sarker and Herwig Just (Innsbruck)*
- 16:30 Chronic treatment with a selective neurokinin-1 receptor antagonist in a mouse model of trait anxiety and depression: Focus on behaviour and neuropeptidergic mechanisms
A 19 ↳ Simone B Sartori, *Stefano Gaburro, Rainer Landgraf and Nicolas Singewald (Innsbruck)*

PLENARY LECTURE

- 16:45 Dopaminergic midbrain neurons: functional and molecular diversity in health and disease
↳ Birgit LISS (*Dept. of General Physiology, Univ. Ulm, Germany*)

17:30 *End of session*

GENERAL ASSEMBLY

Members of the Austrian Pharmacological Society only

Gem. § 9 der Statuten wird den Mitgliedern die vorläufige Tagesordnung spätestens vier Wochen vor der Generalversammlung zugeschickt. Weitere Anträge sind mindestens sieben Tage vor dem Termin der Versammlung beim Vorstand schriftlich einzureichen. Teilnahmeberechtigt sind alle ordentlichen Mitglieder, sowie Vertreter der außerordentlichen Mitglieder. Stimmberechtigt sind nur die ordentlichen Mitglieder.

19:30 APHAR CONFERENCE DINNER AT THE HOTEL SAILER

Admittance for registered participants only. For further information see page 10.

AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)

Chair: Maria Waldhoer (*Graz*)

SHORT COMMUNICATIONS

- 09:00 **RIM modulates Cav1.3 Ca²⁺ channels**
A 22 ↪ *Mathias Gebhart, Gabriella Juhasz-Vedres, Alexander Trockenbacher, Gerald J Obermair, Jutta Engel, Alexandra Koschak and Jörg Striessnig (Innsbruck)*
- 09:15 **A membrane network of receptors and enzymes for adenine nucleotides and nucleosides**
A 40 ↪ *Klaus Schicker, Simon Hussl, Giri K Chandaka, Kristina Kosenburger, Jae-Won Yang, Maria Waldhoer, Harald H Sitte and Stefan Boehm (Wien)*
- 09:30 **The novel angiogenic cytokine secretoneurin promotes angiogenesis, arteriogenesis and vasculogenesis in the mouse hind-limb ischemia model**
A 38 ↪ *Wilfried Schgoer, Margot Egger, Arno Beer, Markus Theurl, Johannes Jeschke, Ivan Tancevski, Philipp Eller, Andreas Ritsch, Hildegunde Piza-Katzer, Josef R Patsch, Peter Schratzberger, Reiner Fischer-Colbrie and Rudolf Kirchmair (Innsbruck)*

PLENARY LECTURE

- 09:45 **Trafficking of membrane proteins through the early secretory pathway: opportunities for pharmacology?**
↪ *Michael FREISSMUTH (Dept. Pharmacology, Medical Univ. Vienna, Austria)*

10:30 *Posters and Coffee Break*

Chair: Francesco Ferraguti (*Innsbruck*)

SHORT COMMUNICATIONS

- 11:30 **GASP in the post-endocytic sorting and signaling of virally encoded chemokine receptor US28**
A 3 ↪ *Pia Tschische, Jennifer Whistler, Lene Martini and Maria Waldhoer (Graz)*
- 11:45 **Evaluation of Stat5 as a potential drug target in bcr/abl-induced leukemias**
A 4 ↪ *Andrea Hölzl, Christian Schuster, Boris Kovacic, Maria Hölzl, Sabine Fajmann, Florian Grebien, Lothar Hennighausen, Yongzhi Cui, Richard Moriggl, Hartmut Beug and Veronika Sexl (Wien)*
- 12:00 **Modulation of multidrug resistance proteins by statins in human neuroblastoma**
A 24 ↪ *Evelyn Sieczkowski, Peter Ambros and Martin Hohenegger (Wien)*

HERIBERT KONZETT & HANS HORST MEYER AWARDS 2008

- 12:15 The Heribert Konzett Award of the Austrian Pharmacological Society is awarded to young investigators in experimental and clinical pharmacology in recognition of their independent research achievements. Donated by AstraZeneca Austria.



H. Konzett
1912 – 2004

The Hans Horst Meyer Award of the Austrian Pharmacological Society is awarded to young investigators in experimental and clinical pharmacology and toxicology. Donated by Pfizer Corporation Austria.



H.H. Meyer
1853 – 1939

PLENARY LECTURE

- 12:30 ↪ *Heribert Konzett Laureate*

13:00 *End of meeting*

POSTER PRESENTATIONS

Posters will be on display for the entire period of the meeting (Friday and Saturday). Presenting authors are requested to indicate their presence at their poster on the poster board (preferably during coffee breaks). Dimensions of the poster boards: width 86 cm, height 120 cm.

AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)

- A 1 **Contribution of potassium channels in human umbilical artery contractions**
↳ *Miroslav Radenković, Paja Momčilov, Nebojša Radunović and Lepasava Grbović (Belgrade)*
- A 2 **US28 in melanoma growth**
↳ *Elisabeth Moser, Joshi Shripad, Helmut Schaidler and Maria Waldhoer (Graz)*
- A 5 **Behavioural characterization of prodynorphin knockout mice**
↳ *Eduard Schunk, Iris Rosskothén, Walter Wittmann, Stefano Gaburro, Nicolas Singewald, Herbert Herzog and Christoph Schwarzer (Innsbruck, Sydney)*
- A 6 **Influence of estrous cycle on explorative behaviour of wild-type and prodynorphin knockout mice**
↳ *Iris Rosskothén, Eduard Schunk, Stefano Gaburro, Nicolas Singewald, Herbert Herzog³ and Christoph Schwarzer (Innsbruck, Sydney)*
- A 8 **Facilitation of transmitter release from rat sympathetic neurons via presynaptic P2Y1 receptors**
↳ *Giri K Chandaka, Helmut Drobny and Stefan Boehm (Wien)*
- A 9 **Do the binding sites of substrates and tricyclic antidepressants overlap on the serotonin transporter?**
↳ *Subhodeep Sarker and Ilka Steiner (Wien)*
- A 10 **Effects of PGH₂ and PGD₂ on CRTH2 and DP receptors in primary cells and co-expressed in HEK293 cells**
↳ *Miriam Sedej, Wolfgang Platzer, Anela Vukoja, Rufina Schuligoi, Bernhard A Peskar, Ákos Heinemann and Maria Waldhoer (Graz)*
- A 11 **Differential pattern of co-expression between the substance P receptor NK₁ and calcium-binding proteins in the lateral and basolateral amygdaloid nuclei**
↳ *Harikishore Sreepathi and Francesco Ferraguti (Innsbruck)*
- A 12 **Inhibition of growth factor mediated Akt phosphorylation in vascular smooth muscle cells by resveratrol: The contribution of SH2 domain containing phosphatase 2 and reactive oxygen species**
↳ *Cornelia E Schreiner, Mario Kumerz, Atanas G Atanasov, Elke H Heiss and Verena M Dirsch (Wien)*
- A 14 **The non-opioid analgesic flupirtine is a modulator of GABA_A receptors involved in pain sensation**
↳ *Felicia Popovici, Manu Dorostkar and Stefan Boehm (Wien)*
- A 15 **Interference with platelet-derived growth factor-induced signalling in vascular smooth muscle cells by roscovitine**
↳ *Irene Sroka, Elke H Heiss and Verena Dirsch (Wien)*
- A 16 **Interactions of the G protein-coupled receptor-associated sorting proteins (GASP) 1 and 2 with the novel cannabinoid receptor GPR55**
↳ *Julia Kargl, Nariman Balenga, Lene Martini, Jennifer Whistler and Maria Waldhoer (Graz)*

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AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)

- A 17 **Increased novelty-induced motor activity and reduced depression-like behavior in NPY Y₄ receptor knockout mice**
↳ *Ramon O Tasan, Shu Lin, Alfred Hetzenauer, Nicolas Singewald, Herbert Herzog and Günther Sperk (Innsbruck, Sydney)*
- A 20 **Second-hit kinetic perturbations reveal structural features of the domain IV S6 segment associated with fast inactivation**
↳ *René Cervenka, Touran Zarrabi, Xaver Koenig, Markus Mille, Karlheinz Hilber and Hannes Todt (Wien)*
- A 21 **Second hit influences the interaction between tumor cells and the immune system in a murine model of Burkitt's lymphoma**
↳ *Christian Schuster, Anna Frenzel, Andrea Hölbl, Olivia Simma, Mathias Müller, Andreas Villunger, Veronika Sexl and Dagmar Stoiber (Wien, Innsbruck)*
- A 23 **Functional characterization of the novel cannabinoid receptor GPR55 and its modulation by CB₁ and CB₂ receptors**
↳ *Nariman Balenga, Julia Kargl, Christopher M Henstridge, Andrew J Irving and Maria Waldhoer (Graz, Dundee)*
- A 25 **Statins induce apoptosis in human melanoma cells via multiple pathways**
↳ *Christoph Minichsdorfer and Martin Hohenegger (Wien)*
- A 26 **The far carboxy-terminus of the viral encoded chemokine receptor US28 binds to the sorting protein GASP-1 in vitro**
↳ *Gerald P Parzmair, Wolfgang Platzer, Henry F Vischer, Martine J Smit and Maria Waldhoer (Graz, Amsterdam)*
- A 27 **STAT1 Ser727 – Key regulator for NK cell-mediated cytotoxicity and tumor surveillance**
↳ *Eva M Putz, Eva Zebedin-Brandl, Michaela Prchal, Thomas Decker, Pavel Kovarik and Veronika Sexl (Wien)*
- A 28 **Comparison of physicochemical properties and biological activities of opioid morphinans interacting with μ opioid receptors**
↳ *Muhammad F Asim, Catalina-Roxana Bohotin, Mariana Spetea and Helmut Schmidhammer (Innsbruck)*
- A 29 **5-Benzyl substituted 14-methoxymetopon, a high affinity μ opioid receptor agonist with potent antinociceptive activity in mice**
↳ *Mariana Spetea, Catalina-Roxana Bohotin and Helmut Schmidhammer (Innsbruck)*
- A 30 **Synthesis, opioid receptor binding profile and SAR studies of 14-alkoxy-substituted indolo- and benzofuromorphinans**
↳ *Alexander Staaf, Mariana Spetea, Harald Mittendorfer and Helmut Schmidhammer (Innsbruck)*
- A 32 **Conditional knockout of the secretogranin II gene to reveal biological functions of secretoneurin**
↳ *Johannes Leierer, Rudolf Kirchmair, Sushil K Mahata, Christoph Schwarzer and Reiner Fischer-Colbrie (Innsbruck)*

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AUSTRIAN PHARMACOLOGICAL SOCIETY (APHAR)

- A 33 **Chronic administration of rotenone induces Parkinsonian symptoms and increases levels of nitric oxide in rat brain**
↳ *Valentina Bashkatova, Mesbach Alam, Anatoly Vanin, Helmut Prast and Werner J Schmidt (Innsbruck, Moscow, Tübingen)*
- A 34 **Identification of amino acid residues relevant for gating and permeation of the cation channel TRPC3**
↳ *Hannes Schleifer, Michael Poteser and Klaus Groschner (Graz)*
- A 35 **Establishing a new mouse model for investigating the function of amygdala neurons in anxiety**
↳ *Yvan Peterschmitt, Stefan Weger, Alexander Plauth, Regine Heilbronn, William Wisden⁴, Günther Sperk and Werner Sieghart (Innsbruck, Wien)*
- A 36 **Effects of the coumarin scopoletin on learning and memory, on release of acetylcholine from brain synaptosomes and on long-term potentiation in hippocampus**
↳ *Ariane Hornick, Andreas Lieb, Nguyen P Vo, Judith Rollinger, Hermann Stuppner and Helmut Prast (Innsbruck)*
- A 37 **BK channels in Purkinje cell plasma membranes are concentrated in plasmersomes at sites of hypolemmal cisternae**
↳ *Walter A Kaufmann, Francesco Ferraguti, Yugo Fukazawa, Yu Kasugai, Ryuichi Shigemoto, Petter Laake, Joseph A Sexton, Peter Ruth, Georg Wietzorrek, Hans-Günther Knaus, Johan F Storm and Ole P Ottersen (Innsbruck, Oslo, Tübingen)*
- A 39 **Long-term depression-like effect of a single immune challenge in neuropeptide Y Y₂ and Y₄ receptor knockout mice**
↳ *Evelin Painsipp, Herbert Herzog, Günther Sperk and Peter Holzer (Graz, Innsbruck, Sydney)*
- A 42 **Heterogeneity of release-regulating muscarinic receptors in rat sympathetic neurons: Evidence for inhibitory presynaptic M₁ receptors**
↳ *Helmut Kubista, Kristina Kosenburger, Peter Mahlknecht, Helmut Drobny and Stefan Boehm (Wien)*
- A 43 **ARNO/cytohesin-2 regulates desensitization of the A_{2A} adenosine receptor in rat pheochromocytoma cells**
↳ *Ingrid Gsandtner, Simon Keuerleber, Patrick Thurner and Oliver Kudlacek (Wien)*
- A 44 **Fluorescence resonance energy transfer (FRET) sensors**
↳ *Oliver Kudlacek, Ingrid Gsandtner, Edin Ibrišimović and Christian Nanoff (Wien)*
- A 45 **Selective serotonin reuptake inhibitors induce cell death via the unfolded protein response**
↳ *Christina Glöckel, Patrick Thurner and Michael Freissmuth (Wien)*
- A 46 **The presence of phosphatidylinositol-4,5-bisphosphate directly impacts on amphetamine-induced serotonin transporter-mediated efflux**
↳ *Florian Buchmayer, Klaus Schicker, Marion Holy, Oliver Kudlacek, Stefan Boehm and Harald H Sitte (Wien)*

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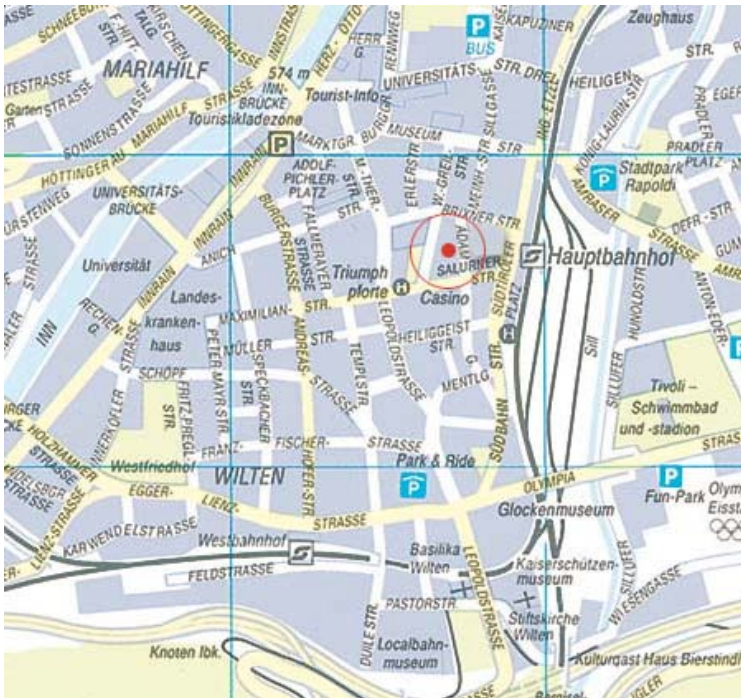
APHAR SECTION OF CLINICAL PHARMACOLOGY

- A 47 **Calcium channel blockers reduce the antiplatelet effect of clopidogrel**
↳ *Jolanta M Siller-Matula, Irene Lang, Günter Christ and Bernd Jilma (Wien)*
- A 51 **Targeting sphingosine kinase 1 with LNA oligonucleotides in gastric cancer**
↳ *Thorsten Füreder, Doris Hoeflmayer, Bo Hansen and Volker Wacheck (Wien, Hørsholm)*
- A 53 **In vivo profile of the human leukocyte microRNA response to endotoxemia**
↳ *Wolfgang M Schmidt, Alexander O Spiel, Bernd Jilma, Michael Wolzt and Markus Müller (Wien)*
- A 55 **Effect of antioxidants on ocular blood flow and endothelial function in an endotoxin-induced inflammatory model in humans**
↳ *Berthold Pemp, Elżbieta Polska, Alexander Minichmayr, Katharina Karl, Michael Lasta, Gerhard Garhöfer, Michael Wolzt and Leopold Schmetterer (Wien)*
- A 56 **Antimicrobial activity of cefepime and rifampicin in cerebrospinal fluid in vitro**
↳ *Richard Schwameis, Robert Saueremann, Manfred Fille, Maria L Camuz Ligios and Markus Zeitlinger (Wien, Innsbruck)*
- A 58 **Amphotericin B lipid formulations and target-site penetration into human body fluids**
↳ *Stefan Weiler, Rosa Bellmann-Weiler, Stefan Dunzendorfer, Michael Joannidis and Romuald Bellmann (Innsbruck)*

HOTEL RECOMMENDATIONS

****Hotel Sailer	Adamgasse 8	Tel: 5363	€ 62,-
http://www.sailer-innsbruck.at		hotel@sailer-innsbruck.at	
***Hotel Goldene Krone	Maria-Theresien-Straße 46	Tel: 586160	€ 55,-
http://www.goldene-krone.at		info@goldene-krone.at	
Hotel Mozart	Müllerstraße 15	Tel: 5995380	€ 47,50
http://www.mozarthotel.com		hotel.mozart@aon.at	
Sporthotel Penz	Fürstenweg 183	Tel: 22514	€ 87,-
http://www.sporthotel-penz.at		office@sporthotel-penz.at	
****Hotel Neue Post	Maximilianstraße 15	Tel: 59476	€ 90,-
http://www.hotel-neue-post.at		innsbruck@hotel-neue-post.at	
***Tourotel Breinössl	Maria-Theresien-Straße 12	Tel: 584165	€ 65,-
http://www.hotel-breinoessl.at		tourotelinsbruck@via.at	
****Hotel Penz	Adolf-Pichler-Platz 3	Tel: 575657	€ 108,-
http://www.the-penz.com		office@thepenz.com	
****Hotel Grauer Bär	Universitätsstraße 5-7	Tel: 5924	€ 68,-
http://www.innsbruck-hotels.at/hotel-grauer-baer/das-hotel-grauer-baer@innsbruck-hotels.at			

APHAR CONFERENCE DINNER (HOTEL SAILER)



Admittance for registered participants only.

Date: Friday
21. November 2008

Time: 19:30

Location: **Hotel SAILER**
Adamgasse 8
6020 Innsbruck
Tel: 0512-5363

Austrian Pharmacological Society (APHAR):

Executive Committee:

President: Andrea Laslop (Vienna), Vice-President: Ernst Singer (Vienna), Secretary Gen.: Michael Freissmuth (Vienna), Treasurer: Peter Placheta (Vienna), President of the Section of Clinical Pharmacology: Brigitte Blöchl-Daum (Vienna), Further Member: Peter Holzer (Graz).

Clinical Pharmacology Section Committee:

President: Brigitte Blöchl-Daum (Vienna), Vice-President: Kurt Krejcy (Vienna), Further Member: Bernd Jilma (Vienna).

ZVR-Zahl: 202359700

Website: <http://www.aphar.at/>

Supporting Members of APHAR:



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ANSUCHEN UM AUFNAHME

als **ordentliches Mitglied** **Dissertant**

(gem. § 5 der Statuten können alle Personen, die aktiv auf dem Gebiet der Pharmakologie in Forschung, Lehre oder Administration tätig sind und entweder ein abgeschlossenes Universitätsstudium besitzen oder sich im Dissertationsstadium befinden, Mitglieder der APHAR werden. Bei Dissertanten wird um Bestätigung des Institutsvorstandes gebeten.)

Mitgliedschaft in der Sektion Klinische Pharmakologie gewünscht: Ja

(gem. § 12 der Statuten können ordentliche Mitglieder der APHAR, die aktiv auf dem Gebiet der Klinischen Pharmakologie in Forschung, Lehre oder Administration tätig sind, Mitglieder der Sektion Klinische Pharmakologie werden.) Nein

förderndes Mitglied

*(mit *) gekennzeichnete Felder nicht auszufüllen bei Antrag um Aufnahme als förderndes Mitglied.)*

*) **Name:**
Zuname Vorname

*) **Akad. Grad:**

*) **Berufstitel:**

*) **Ausbildung:**

Derzeitiges Arbeitsgebiet:

Institut/Firma:	
Anschrift:	
Tel:	Fax:
!! e-mail:	

Datum: _____

Unterschrift: _____

Befürwortendes Mitglied der Gesellschaft:

*) Name: _____

Unterschrift: _____

➔ **Das ausgefüllte Formular bitte an den Geschäftsführer der APHAR schicken**
(M. Freissmuth, Institut für Pharmakologie, Währinger Straße 13a, 1090 Wien, Fax: 01 / 4277-9641).