

  
ÖSTERREICHISCHE GESELLSCHAFT  
FÜR CHIRURGISCHE FORSCHUNG

**Program of the 36<sup>th</sup> Seminar**

**“Bench to Bedside” in Surgical  
Oncology**

November 22<sup>nd</sup>-24<sup>th</sup> 2012

Anna Spiegel Center for Translational Research,  
Campus der Med. Univ. Wien



COMPREHENSIVE  
CANCER  
CENTER VIENNA

EINE EINRICHTUNG VON MEDUNI WIEN  
UND AKH WIEN

# SCIENTIFIC PROGRAM

Friday, Nov. 23<sup>rd</sup>

## Onco Immunology I

Chair: M.Bergmann

8:15 – 9:20 a.m.

### **Oncolytic virotherapy using VSV**

Dorothee von Laer

Div of Virology, Dept of Hygiene, Innsbruck Medical University

35+5 min

### **Self-optimization of an oncolytic influenza virus vector leads to the stabilization of transgene expression**

Irina Kuznetsova, Tobias Arnold, Anna-Polina Shurygina, Markus Wolschek, Oleg Kiselev, Michael Bergmann, Andrej Egorov

Dept of Surgery, Medical Univ Vienna

10+2 min

### **Dendritic cell vaccination in humans**

Josef Friedl, Monika Sachet, Hubert Haydn, Anton Stift

Dept of Surgery, Medical Univ. of Vienna

10+3 min

## Molecular Marker I

Chair: R.Zeillinger

9:30 – 10:30 a.m.

### **Circulating tumor cells in ovarian cancer – a study of the OVCAD consortium**

E. Obermayr, I. Alpers, D. Pils, I. Braicu, T. Van Gorp, S. Mahner, J. Sehouli, I. Vergote, P. Speiser, D. Cacsire-Castillo Tong, B. Brandt, R. Zeillinger

Molecular Oncology Group, Dept of Gynecology, Med. Univ. of Vienna

10+2 min

### **Circulating endothelial cells and blood cell populations with overlapping phenotype in cancer patients receiving neoadjuvant and adjuvant chemotherapy**

Starlinger P, Schauer D, Alidzanovic L, Reiter C, Kuehrer I, Schoppmann SF, Gnant M,

Gruenberger B, Gruenberger T, Brostjan C

Dept of Surgery, Medical University of Vienna

10+2 min

### **Chemotherapy of breast cancer patients induces a shift in the glycosylation pattern of plasma complement components C3 and C4**

Christine Schalko, Anna Michlmayr, Rupert Bartsch, Michael Bergmann, Thomas Bachleitner-Hofmann, and Rudolf Oehler.

Dept of Surgery, Medical Univ of Vienna

10+2 min

### **Pretreatment serum C-reactive protein levels predict benefit from multimodality treatment including radical surgery in malignant pleural mesothelioma**

Mir Alireza Hoda, Bahil Ghanim, Thomas Klikovits, Max-Paul Winter, Madeleine Arns, Peter

Schenk, Wolfgang Pohl, Michael Grusch, Martin Filipits, Christoph Zielinski, Balazs Hegedus, Balazs

Dome, Walter Klepetko, Walter Berger.

Div of Thoracic Surgery, Dept. of Surgery, Med. Univ Vienna

10+2 min

### **Clinical trials for p53 marker validation**

Brigitte Wolf, Sonja Kappel, Daniela Kandioler

Dept of Surgery, Research Laboratories, Med Univ of Vienna

10+2 min

## Coffee break

### Onco Immunology II

Chair: C.Brostjan

10:45 – 11:45 a.m.

#### Monocyte subsets in colorectal cancer

Dominic Schauer, Patrick Starlinger, Christian Reiter, Nikolaus Jahn, Philipp Zajc, Lorand Pop, Elisabeth Buchberger, Thomas Bachleitner-Hofmann, Michael Bergmann, Anton Stift, Thomas Gruenberger, Christine Brostjan  
Dept. of Surgery, Med. Univ. Vienna 10+2 min

#### Degree and organization of immune cells including B-cell populations within the active border of human colorectal cancer liver metastases: novel prognostic marker for clinical outcome?

Anastasia Meshcheryakova, Dietmar Tamandl, Martin Svoboda, Erika Bajna, Judith Stift, Milena Sachsenmaier, Thomas Grünberger, Erika Jensen-Jarolim, Michael Bergmann, Diana Mechtcheriakova  
Dept. of Pathophysiol. and Allergy Res, Center of Pathophysiology, Infectiology & Immunology, Medical University of Vienna 10+2 min

#### Identification of a chemokine profile during progression of primary human melanoma

Ana Soler-Cardona, Andreas Bracher, Robert Loewe  
Skin and Endothelium Research Div., Dept of Dermatology, Med Univ of Vienna 10+2 min

#### Complement binding in chemotherapeutics-induced cell death

Ying Yu Liang, Anna Michlmayr, Tobias Arnold, Desiree Rainprecht, and Rudolf Oehler  
Dept. of Surgery, Medical University of Vienna 10+2 min

#### Evaluation of trastuzumab mediated antibody dependent cellular cytotoxicity in HER2/neu positive breast cancer patient using a rapid FACS-based analysis

Petricevic B., Längle J., Singer J., Steger G., Bartsch R. Jensen-Jarolim E., Bergmann M.  
Dept. of Surgery, Medical University of Vienna 10+2 min

### Signal Transduction I

Chair: J.Troppmair

11:55 a.m. - 1:25 p.m.

#### Miniaturised chemical proteomics to profile clinically-relevant kinase inhibitors in tumour needle biopsies

Ivo Chamrád, Uwe Rix, Manuela Gridling, Katja Parapatits, André C. Müller, Alexey Stukalov, Giulio Superti-Furga, Eric B. Haura, Keiryn L. Bennett,  
CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna 30+5 min

#### Identification of a novel PKC $\beta$ phosphorylation motif within the PTB domain of p66SHC essential for ROS production and cell death under cellular stress

Martina Martina Haller, Friedrich Fresser, Daniela Pirkebner, Muhammad Imtiaz Ashraf, Martin Hermann, Michael Leitges, Marco Giorgio, Gottfried Baier, Jakob Troppmair.  
Daniel Swarovski Res. Lab., Dept. of Visc., Transpl. and Thorac. Surg., Innsbruck Med Univ. 12+3 min

### **Targeting BAG-1 protein interactions to inhibit tumor growth**

Marion Enthammer, Martin Deutsch, María Salomé Gachet, Stefan Schwaiger, Hermann Stuppner, Gerhard Wolber, Jakob Troppmair.

Daniel Swarovski Res. Lab., Dept. of Visc., Transpl. and Thorac. Surg., Innsbruck Med Univ.

**12+3 min**

### **MAPKAP kinase 2 overexpression influences prognosis in gastrointestinal stromal tumors and associates with copy number variations on chromosome 1 and expression of p38 MAP kinase and ETV1.**

Berthold Streubel, Peter Birner, Sebastian F. Schoppmann.

Clinical Institute of Pathology, Medical University of Vienna

**10+2 min**

### **The mitogen activated protein kinase pathway regulates the expression of p18INK4c and p21Waf1/Cip1 cyclin-dependent kinase inhibitors through the activating protein-1 transcription factor**

Ahmad Jalili, Christine Wagner, Kirsten D. Mertz, Mikhail Pashenkov, Georg Stingl, Sridhar Ramaswamy, Stephan N. Wagner

DIAID, Department of Dermatology, Medical University of Vienna, Austria

**10+3 min**

## **Signal Transduction II**

**Chair: B.Hegedues**

**3:00-4:20 p.m.**

### **Erythropoietin-receptor (EPOR) expression and the tumor specific effect of EPO treatment in lung cancer**

Anita Rozsas, Balazs Hegedus, Livia Rojko, Istvan Kenessey, Judit Berta, Magdolna Keszthelyi, Jozsef Tovari, Mir Alireza Hoda, Walter Berger, Michael Grusch, Walter Klepetko, Balazs Dome

Transl Thoracic Oncol Lab, Dept of Thoracic Surgery, Medical Univ of Vienna

**10+2 min**

### **Hypoxic signaling leads to deregulation of the AKT/mTOR Pathway in prostate cancer stem cells**

Maximilian Marhold, Erwin Tomasich, Michael Krainer, Peter Horak

Dept for Internal Medicine I, Medical University of Vienna,

**10+2 min**

### **HSP 27 – a novel therapeutic target in melanoma?**

S. Blunder, C. Briand, W. Jerney, H. Pehamberger, C. Hoeller, N. Schicher

Department of Dermatology, Medical University Vienna

**10+2 min**

### **A role of AXL in EMT and hepatocellular carcinoma progression**

Patrick Reichl, Franziska van Zijl, Heidemarie Huber, Markus Grubinger and Wolfgang Mikulits

Dept of Medicine I, Division: Institute of Cancer Research, Medical University of Vienna **10+2 min**

### **Clinical study concepts for liver tumors**

Thomas Grünberger

Dept of Surgery, Medical University of Vienna

**15+5 min**

### **The influence of local cooling and local anaesthesia on capsaicin induced pain and epidermal nerve fibre density reduction**

Zadrazil M., Kovacs GG., Scharbert G., Schemper M., Knolle E.

Dept. of Anaesthesia, General Intensive Care and Pain Management, Med Univ Vienna

**10+2 min**

## Signal Transduction III

Chair: R. Oehler

4:35 – 5:55 p.m.

### **Mass spectrometry for medicine and oncology: status quo, applications and challenges**

Peter Pichler, Thomas Köcher, Karl Mechtler

Protein Chem and Mass Spectrometry, Res Inst: of Molecular Pathology (IMP); Vienna **25+5 min**

### **Title to be announced**

Group Gerald Prager

Dept of Oncology, Medical University of Vienna **10+2 min**

### **Role of the transcriptional repressors Bcl-6/BCoR in angiogenic sprouting and endothelial cell cycle progression**

Elisabeth Buchberger, Miriam El Harchi, Dietmar Payrhuber, Anna Zommer, and Christine Brostjan

Department of Surgery – Medical University of Vienna **10+2 min**

### **Differential effects of polymorphic alleles of FGFR4 on colon cancer growth and metastasis**

Christine Heinzle, Andrea Gsur, Monika Hunjadi, Zeynep Erdem, Christine Gauglhofer, Stefan Stättner, Josef Karner, Martin Klimpfinger, Friedrich Wrba, Andrea Reti, Balazs Hegedus, Andreas Baierl, Bettina Grasl-Kraupp, Klaus Holzmann, Michael Grusch, Walter Berger and Brigitte Marian

Cancer Res Institute, Dept of Medicine I Medical University of Vienna **10+2 min**

### **IL-24 and toll-like-receptor 3 activation synergize to induce apoptosis in tumor cells**

Rene Weiss, Monika Sachet, Thomas Aschacher, Henning Walczak, Balazs Hegedus, Michael Bergmann

**10+2 min**

**Saturday Nov. 24<sup>th</sup>**

**8:15 -8:30 am.**

### **Presentation of the Winner of the Young Investigator Award of 2011**

**12+3 min**

## **Molecular Marker II**

Chair: U.Losert

**8:30- 9:30 a.m.**

### **Epigenetic markers in human cancer**

Andreas Weinhäusl

Austrian Institute of Technology, Vienna, Austria **17+3 min**

### **Essential role for DNA methylation and DNMT1 in NPM-ALK mediated lymphomagenesis**

Melanie R. Hassler, Aleksandra Klisaroska, Karoline Kollmann, Irene Steiner, Martin Bilban, Ana-Iris Schiefer, Veronika Sexl, Gerda Egger

Clinical Institute of Pathology, Medical University of Vienna, **12+3 min**

### **DNA methylation analysis and correlation with response to neoadjuvant epirubicin/docetaxel chemotherapy in triple-negative breast cancer patients**

Marco Gardini, Walter Pulverer, Núria Llamas, Zsuzsanna Bago-Horvath, Rupert Bartsch, Andreas Weinhäusl, Gerda Egger, Thomas Bachleitner-Hofmann

Dept. of Surgery, Medical University of Vienna **10+3 min**

**CpG island methylator phenotype in rectal cancer: a rare event**

Exner R, Pulverer W, Diem M, Wolf B, Sonntagbauer M, Bergmann M, Weinhäusel A Egger G  
Dept. of Surgery, Medical University of Vienna

10+2 min

**Molecular Marker III**

**Chair: J.Ankersmit**

**9:40 – 10:15 a.m.**

**Early pulmonary spreading of primary colorectal carcinoma is associated with carbonic anhydrase IX Expression and Tobacco Smoking**

Thomas Schweiger, Dagmar Kollmann, Christoph Nikolowsky,  
Denise Traxler-Weidenauer, Emanuella Guenova, György Lang, Peter Birner,  
Walter Klepetko, Hendrik Jan Ankersmit, Konrad Hoetzenecker  
Div of Thoracic Surgery, Medical University of Vienna

10+2 min

**K-ras status and outcome of liver resection after neoadjuvant chemotherapy including bevacizumab**

Stefan Stremitzer, Judith Stift, Birgit Grünberger, Dietmar Tamandl, Thomas Aschacher, Brigitte Wolf, Friedrich Wrba, Thomas Grünberger.  
Dept of Surgery, Medical University of Vienna

9+2 min

**Novel tumor suppressor genes in malignant pleural mesothelioma**

Viktoria Laszlo, Christine Pirker, Mir Alireza Hoda, Tamas Garay, Karin Schelch, Michael Grusch, Balazs Dome, Ghanim Bahil, Thomas Klikovits, Anita Rozsas, Walter Klepetko, Walter Berger, Balazs Hegedus  
Transl Thoracic Oncol Lab, Div. of Thoracic Surgery, Med Univ of Vienna

10+2 min

**Oncogenetics**

**Chair: W.Berger**

**10:25- 11:15 a.m.**

**Inherited susceptibility to colorectal cancer**

Philipp Hofer, Andreas Baierl, Florian Frommlet, Erich Doljesi, Judith Karner-Hanusch, Thomas Bachleitner, Michael Bergmann, Anton Stift, Gernot Leeb and Andrea Gsur  
Inst of Cancer Research, Dept of Med. I, Med. Univ of Vienna

12+2 min

**Epidermal growth-factor - induced transcript isoform variation drives mammary cell migration**

Wolfgang J. Köstler, Amit Zeisel, Cindy Körner, Jonathan M. Tsai, Jasmine Jacob-Hirsch, Nir Ben-Chetrit, Kirti Sharma, Hadas Cohen-Dvashi, Assif Yitzhaky, Eric Lader, Ulrich Tschulena, Gideon Rechavi, Eytan Domany, Stefan Wiemann and Yosef Yarden  
Clinical Division of Oncology, Dept of Medicine I, Medical Univ of Vienna

10+2min

**Telomere maintenance mechanism in colorectal cancer**

Sandra Sampl, Stefan Stättner, Brigitte Marian, Klaus Holzmann  
Inst of Cancer Research, Dept of Medicine I, Med Univ of Vienna

10+2 min

**The combined use of known anti-viral reverse transcriptase inhibitors, AZT and DDI induced anti-cancer effects at low concentrations – Role of Line1 elements**

T. Aschacher, F. Enzmann, S. Sample, B. Wolf, K. Holzmann and M. Bergmann  
Dept of Surgery. Med Univ of Vienna

10+2 min

## Coffee Break

### Cardiovascular and Reperfusion

Chair: D.Bernhard

11:30 a.m. - 1:01 p.m.

#### **p38MAPK inhibition prevents impairment of kidney function resulting from ischemia/reperfusion injury (IRI)**

Ashraf Muhammad Imtiaz, Matthias Ebner, Christoph Wallner, Martina Haller, Stephan Sickinger, Martin Hermann, Afschin Soleiman, Stefanie Vallant, Christina Steger, Gerald Brandacher, Raimund Margreiter, Jakob Troppmair

Department of Visceral, Transplant and Thoracic Surgery, Innsbruck Med Univ **10+3 min**

#### **Micro conduction measurements of cardiac fibrosis in isolated rat hearts**

Grgic R, Arnold R, Wasler A, Aßlaber M, and Schwarz M.

Division of Transplant Surgery, Department of Surgery, Medical University of Graz **10+3 min**

#### **The secretomes of apoptotic white blood cells ameliorate neurological damage in rats with transient focal ischemia**

P. Altmann; M. Mildner; C. Sherif; L. Beer; T. Haider; H.-J. Ankersmit

Christian Doppler Labor für die Diagnose und Regeneration von Herz- und Thoraxerkrankungen. Dept of Surgery, Med Univ. of Vienna **10+3 min**

#### **Secretome from mononuclear cells confers immunosuppression in a murine autoimmune myocarditis model**

K Hoetzenecker, M Zimmermann, T Schweiger, D Kollmann, M Milder, Hegedus B, A Mitterbauer, S Hacker, P Birner, C Gabriel, M Gyöngyösi, P Blyszczuk, U Eriksson, HJ Ankersmit

Christian Doppler Labor für die Diagnose und Regeneration von Herz- und Thoraxerkrankungen. Dept of Surgery, Med Univ., Vienna **10+3 min**

#### **Einfluss des NO-Donors S-NO-HSA während globaler und lokaler Ischämie am Rattenherzen**

Elda Dzilic, Maximilian Kreibich, David Santer, Joanna Krynicka, Felix Nagel, Seth Hallström, Bruno Podesser, Karola Trescher

Ludwig Boltzmann Cluster für Kardiovaskuläre Forschung, Wien **10+3 min**

#### **Simvastatin influence on NADPH oxidase 4 concentration in human AAA wall tissue.**

A. Piechota-Polanczyk, S. Demyanets, M. Mittlboeck, C. Domenig, C. Neumayer, J. Wojta, J. Nanobachvili, I. Huk and M. Klinger

Department of Surgery, Division of Vascular Surgery, Medical University of Vienna **10+3 min**

#### **Leoligin, the major lignan of Edelweiss, influences serum cholesterol levels in ApoE -/- mice**

Bernhard Scharinger, Adrian Türkcan, Barbara Messner, David Bernhard

Cardiac Surgery Research Lab. Med Univ of Vienna and Innsbruck Med. Univ. **10+3min**

## General Information:

### Organizing Societies:

Austrian Society for Surgical Research  
www.chirfor.at

Comprehensive Cancer Center  
Medical University of Vienna  
www.ccc.ac.at

### Chair:

Michael Bergmann, MD  
Surgical Research Laboratories, Dept of Surgery  
Medical University of Vienna  
Währinger Gürtel 18-20, A-1090 Vienna  
Tel.: ++43-1-40400-73744  
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### Contact:

Secretary of the Surgical Res. Laboratories  
Währinger Gürtel 18-20, A-1090 Wien  
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Fax: ++43-1-40400-6782  
e-mail: michael.bergmann@meduniwien.ac.at

### Venue:

Anna Spiegel Center for Translational Research\*  
Level 3, Seminar Room  
Campus der Med. Univ. Wien

### Hotels (reduced rates):

Hotel Strudlhof  
Pasteurgasse 1, 1090 Wien  
Tel.: ++43-(0)1- 319 25 22  
Kennwort: Medizinische Universität Wien 01.11

Hotel Kaiser Franz Joseph  
Sieveringerstraße 4, 1190 Wien  
Tel. ++43-(0)1- 329 00 - 962 bzw -910  
Kennwort: Österr. Ges. für Chirurgie  
e-mail:reservierung.kfj@derag.de

### Food:

Please register in advance for the meals to facilitate organization

**Nov. 22<sup>nd</sup>, 8.00 p.m.                      Dinner,    Hotel Strudlhof**

**Nov. 23<sup>rd</sup>, 1.30 p.m.:                      Lunch,    Anna Spiegel Research Bldg,  
Level 8 (CeMM – Cafeteria)**

**Nov. 23<sup>rd</sup>, 8.00 p.m.                      Dinner,    Hotel Strudlhof**



**It is the tradition the Austrian Society of Surgical Research to donate**

**€1.000,--.**

as a

**Young Investigator Award**

**For the Best Presentation**

The winner will be announced at the end of the seminar by the jury.

The price will be given to the Investigator at the 54<sup>th</sup> Annual Meeting of the Austrian Society of Surgery in 2013.

The Jury consists of Board Members of the Austrian Society of Surgical Research.

**Criteria for the Award:**

- scientific novelty
- clear presentation
- compliance with time limits

exclusion criteria

- age above 35 years
- professorship or leading position



ÖSTERREICHISCHE GESELLSCHAFT  
FÜR CHIRURGISCHE FORSCHUNG

Registration for the

36. Seminar der Österr. Ges. f. Chir. Forschung  
“Bench to Bedside in Surgical Oncology”

22.11.2012 – 24.11.2012

Scientific Program:                    23.11.2012: all day  
    24.11.2012: morning

22.11.2012: Dinner, Hotel Strudlhof	<input type="radio"/> Y	<input type="radio"/> N
23.11.2012: Lunch, Anna Spiegel	<input type="radio"/> Y	<input type="radio"/> N
23.11.2012: Dinner, Hotel Strudlhof	<input type="radio"/> Y	<input type="radio"/> N

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Name

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Institution

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Date and Signature

Registration by FAX:    01-40400-6782  
Registration by e-mail:    michael.bergmann@meduniwien.ac.at

\*) Anna Spiegel Center for Translational Research  
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