

„The Thinker.. by Duskana Jovic



Center for Pathophysiology, Infectiology and Immunology

PROGRAM

4th Retreat

Tuesday, September 17th, 2013

Lecture Hall Bernhard Gottlieb University
Clinic of Dentistry
Sensengasse 2a, 1090 Vienna

Thursday, September 19th, 2013

Seminar room, 1. floor
Vienna Competence Center
Lazarettgasse 19, 1090 Vienna

PROGRAM

Tuesday, September 17th, 2013

Bernhard Gottlieb University Clinic of Dentistry, Sensengasse 2a, Vienna IX

08.15 – 09.00 Poster Mounting

08.15 – 09.00 Behind-the-scenes tour in the Bernhard Gottlieb University Clinic of Dentistry

09.00 – 09.45 Opening Session

09.00 – 09.05 **Welcome**

[Hannes Stockinger](#)

09.05 – 09.15 **Welcome and short report about the completion and the new strategies of the Clinic of Dentistry**

[Andreas Moritz](#), *Bernhard Gottlieb University Clinic of Dentistry*

09.15 – 09.45 **The Center for Pathophysiology, Infectiology and Immunology: Recent achievements, current status, future developments**

[Hannes Stockinger](#), [Ursula Wiedermann](#)

09.45 – 10.15 Anniversary Lecture

Chairpersons: **Barbara Bohle**, **Ursula Wiedermann**

“140 years of pathophysiology”

[Peter Pietschmann](#), *Institute for Pathophysiology and Allergy Research*

10.15 – 10.45 Coffee Break

10.45 – 12.15 Running slides (short presentations: SP1 - SP40)

2-minutes introduction of the poster and presentation of take-home message by the presenting author

12.15 – 13.15 Poster Workshops 1 - 4

Responsible authors present their posters at the poster site

Workshop 1 (SP01 – SP10) Chairpersons: **Christian Radauer**, **Anna Repic**

Workshop 2 (SP11 – SP20) Chairpersons: **Erika Jensen-Jarolim**, **Shinya Sakaguchi**

Workshop 3 (SP21 – SP30) Chairpersons: **Barbara Bohle**, **Johannes Huppa**

Workshop 4 (SP31 – SP40) Chairpersons: **Heimo Breiteneder**, **Julia Walochnik**

13.15 – 14.00 Lunch and free poster touring SP1 - SP40

14.00 – 15.30 Running slides (short presentations: SP41 – SP78)

2-minutes introduction of the poster and presentation of take-home message by the presenting author

15.30 – 16.30 Poster Workshops 5 - 8

Responsible authors present their posters at the poster site

Workshop 5 (SP41 – SP50) Chairpersons: **Karin Hoffmann**, **Gerhard Zlabinger**

Workshop 6 (SP51 – SP60) Chairpersons: **Wilfried Ellmeier**, **Irma Schabussova**

Workshop 7 (SP61 – SP70) Chairpersons: **Isabella Ellinger**, **Johannes Stöckl**

Workshop 8 (SP71 – SP78) Chairpersons: **Michael Duchene**, **Sabine Flicker**

16.30 – 17.00 Coffee break and free poster touring SP41 – SP78

17.00 – 18.10 Keynote Session

Chairpersons: **Talin Barisani, Hannes Stockinger**

17.00 – 17.05 **News from the Research Cluster Allergology, Immunology, Infectiology**
Wilfried Ellmeier, Institute of Immunology

17.05 – 17.10 **European Congress of Immunology 2015 Vienna**
Winfried Pickl, Institute of Immunology

17.10 – 18.10 **Keynote Lecture**
Immunity against tuberculosis: Floating between basic research and application
Stefan H.E. Kaufmann, Max Planck Institute, Berlin, Germany

18.30 – 24.00 Social Evening including Prize Ceremony of Short Presentations
Restaurant Culinarium, Währinger Straße 21, Vienna IX

Thursday, September 19th, 2013

Vienna Competence Centre, Lazarettgasse 19, Vienna IX, seminar room, 1. floor

15.00 – 16.00 Keynote Lecture

Chairpersons: **Judith Leitner, Vladimir Leksa**

Role of CD83 on B-lymphocytes

Bernhard Fleischer, Institute of Immunology, University Medical Centre Hamburg-Eppendorf, Germany

Confidential

WORKSHOPS

Confidential

WORKSHOP 1 (SP01 – SP10)

Chairpersons: Christian Radauer, Anna Repic

ANTIBODY RESPONSES TO THE BACTERIAL BET V 1 HOMOLOGUES FROM *THERMUS THERMOPHILUS* AND *STREPTOCOCCUS MUTANS*

Daniela Ackerbauer, Barbara Gepp, Ursula Smole, Heimo Breiteneder

CALCIUM SENSING RECEPTOR MEDIATES GROWTH OF COLON CELLS

Abhishek Aggarwal, Samawansha Tennakoon, Maximilian Wohlgenannt, Charlotte Gröschel, Doris Hummel, Ifete Fetahu, Julia Höbaus, Lukas Gober, Cedric Boudot, Romuald Mentaverri, Sabina Baumgartner-Parzer*, Enikő Kállay

IN VIVO AND IN VITRO STUDIES ON ANTIGEN UPTAKE IN THE RESPIRATORY TRACT TO INVESTIGATE MECHANISMS OF TOLERANCE INDUCTION

Johnnie Akgün, Irma Schabussova, Karin Hufnagl, Ursula Wiedermann

SEARCHING FOR INTERACTING PARTNERS OF THE MITOCHONDRIAL LON PROTEASE IN HUMAN CANCER CELLS

Lubos Ambro, Vladimir Pevala, Vladimir Leksa, Eva Kutejova

FACTORS INFLUENCING ANAPHYLACTIC RESPONSES IN AN ORAL OVA FOOD ALLERGY MODEL UNDER GASTRIC ACID SUPPRESSION

Susanne C. Diesner (1,2), Cornelia Schultz (1), Barbara Pfitzner (3) Vera Elisabeth Assmann (1), Durga Krishnamurthy (1), Kristina Kreiner (1), Marlene Weichselbaumer (1, 4), Philipp Starkl (1), Thomas Eiwegger (2), Zsolt Szepefalusi (2), Heinz Fehrenbach (5), Erika Jensen-Jarolim (1, 4), Anton Hartmann (3), Isabella Pali-Schöll (1, 4) and Eva Untersmayr (1)

SPECIFIC IGE REACTIVITY TO TRI A 36 IN WHEAT FOOD ALLERGIC CHILDREN

Alexandra Baar^{a, e}, Sandra Pahr^{a, e}, Claudia Constantin^a, Stavroula Giavi^b, Manoussaki Alkisti^b, Nikolaos G. Papadopoulos^b, Christof Ebner^c, Adriano Mari^d, Susanne Vrtala^{a, e}, Rudolf Valenta^{a, f}

A HYPOALLERGENIC VACCINE OF DER P 23, A NEW MAJOR HOUSE DUST MITE ALLERGEN, FOR IMMUNOTHERAPY

Srnita Banerjee¹, Ines Swoboda^{1,2}, Margit Focke-Tejkl¹, Milena Weber¹, Katharina Blatt³, Peter Valent³, Rudolf Valenta¹, Susanne Vrtala¹

EPIDEMIOLOGY AND CLINICAL ASSESSMENT OF VOLUNTEERS WITH AND WITHOUT TRACHOMA IN ETHIOPIA, MOROCCO AND SUDAN

Barisani-Asenbauer T, Al Chalabi H, Mejdoubi L, Meyer P, Stein E, Bintner N, Belij S, Montanaro J, Ladurner A, Inic-Kanada A

THE VITAMIN K-DEPENDENT RECEPTOR AXL IN CONTROL OF LANGERHANS CELL DIFFERENTIATION AND SKIN IMMUNITY

Thomas Bauer^{1, 2}, Anna Zagórska³, Jennifer Jurkin¹, Nighat Yasmin¹, René Köffel^{1, 2}, Susanne Richter¹, Bernhard Gesslbauer¹, Greg Lemke^{3, 4} and Herbert Strobl^{1, 2}

EPICUTANEOUS PATCH VACCINATION WITH RECOMBINANT MAJOR BIRCH POLLEN ALLERGEN Bet v 1 INDUCES ALLERGEN-SPECIFIC BLOCKING IgG ANTIBODIES IN GUINEA PIGS

Clarissa R. Cabauatan^{1,2}, Raffaella Campana¹, Katarzyna Niespodziana¹, Christoph Reinisch³, Urban Lundberg³, Andreas Meinke³, Rainer Henning⁴, Angela Neubauer⁴, Rudolf Valenta^{1,5}

WORKSHOP 2 (SP11 – SP20)**Chairpersons: Erika Jensen-Jarolim, Shinya Sakaguchi****GLUTATHIONE-S-TRANSFERASE IS A MINOR ALLERGEN IN BIRCH POLLEN BECAUSE OF RESTRICTED RELEASE FROM HYDRATED POLLEN GRAINS**Stephan Deifl^{1,2}, Christian Zwicker^{1,2}, Eva Vejvar³, Claudia Kitzmüller^{1,2}, Gabriele Gadermaier³, Birgit Nagl^{1,2}, Susanne Vrtala², Gerhard Zlabinger⁴, Peter Briza³, Fatima Ferreira³, and Barbara Bohle^{1,2}**INVESTIGATION OF VBNC LEGIONELLAE AND HOST MODEL SYSTEMS FOR INTRACELLULAR GROWTH**Elisabeth Dietersdorfer¹, Barbara Schrammel², Julia Walochnik¹, Alexander Kirschner²**SERUM LEVELS OF SCLEROSTIN AND DICKKOPF-1 IN GERIATRIC PATIENTS WITH OSTEOPOROTIC HIP FRACTURES**Sonja Dorfer¹, Ursula Föger-Samwald¹, Andrea Kapfenberger¹, Stefan Kudlacek², Peter Dovjak³, Peter Pietschmann¹**TOXOPLASMA GONDII-DERIVED IMMUNOMODULATORY MOLECULES FOR PREVENTION AND THERAPY OF ALLERGY**Mirjana Drinić¹, Irma Schabussova¹, Angelika Wagner¹, Bärbel Ruttkowski², Anja Joachim², Ursula Wiedermann¹**REGULATION OF T CELL ACTIVATION MEDIATED BY MODIFICATION AND LOCALIZATION OF THE SRC FAMILY KINASE LCK**Paul Eckerstorfer¹, Wolfgang Paster¹, Lars Zimmermann², Alois Sonnleitner³, Gerhard J. Schütz², and Hannes Stockinger¹**GENERATION OF A RECOMBINANT ANTI-EGFR ANTIBODY FOR A PROOF OF CONCEPT COMPARATIVE ONCOLOGY STUDY IN CANINE CANCER PATIENTS**Judit Fazekas^{*1,2}, Josef Singer^{*1,2}, Wei Wang³, Marlene Weichselbaumer², Mirosława Matz², Alexander Mader⁴, Willibald Steinfeldner⁴, Sarah Meitz², Diana Mechtcheriakova², Yuri Sobanov², Thomas Stockner⁵, Edzard Spillner⁶, Renate Kunert⁴, Erika Jensen-Jarolim^{1,2}**CALCIUM-SENSING RECEPTOR SILENCING IN COLORECTAL CANCER IS ASSOCIATED WITH PROMOTER HYPERMETHYLATION AND LOSS OF ACETYLATION ON HISTONE 3**Irfete S. Fetahu¹, Julia Höbaus¹, Abhishek Aggarwal¹, Doris M. Hummel¹, Samawansha Tennakoon¹, Charlotte Gröschel¹, Lukas Gober¹, Maximilian Wohlgenannt¹, Ildiko Mesteri², Sabina Baumgartner-Parzer³, and Enikő Kállay¹**GENE EXPRESSION AND BONE MICROARCHITECTURE IN MEN WITH OSTEOPOROTIC HIP FRACTURES**Ursula Föger-Samwald¹, Afarin Alaghebandan¹, Janina M Patsch^{1,2}, Doris Schamall¹, Sylvia Salem³, Mehid Mousavi⁴, Peter Pietschmann¹**TRICHOMONAS VAGINALIS AS A HOST AND RESERVOIR FOR MYCOPLASMA HOMINIS: AN IN VITRO INFECTION MODEL TO STUDY IMPACTS ON DRUG SUSCEPTIBILITY AND CYTOPATHOGENICITY**Ursula Fürnkranz¹, Birgit Henrich², Julia Walochnik¹**IMMUNE RESPONSIVENESS TO VACCINATION IN ALLERGIC PATIENTS**Garner-Spitzer E.¹, Hofer M.¹, Jarisch R.², Ebner Ch.³, Kundi M.⁴, Wiedermann U¹

WORKSHOP 3 (SP21 – SP30)**Chairpersons: Barbara Bohle, Johannes Huppa****DISTINCT ANTIBODY REACTIVITY PATTERNS TO BET V 1 AND ITS BACTERIAL HOMOLOGUES FROM STAPHYLOCOCCUS AUREUS AND PSEUDOMONAS AERUGINOSA**Barbara Gepp¹, Daniela Ackerbauer¹, Nina Lengger¹, Wolfgang Hemmer², Christian Radauer¹, Heimo Breiteneder¹**MOLECULAR ANALYSIS OF HDAC1 FUNCTION IN TH17 CELLS**

Lisa Göschl, Nicole Boucheron, Roland Tschimarov, Christian Seiser, Wilfried Ellmeier

MODULATING THE WNT-PATHWAY IN COLORECTAL ADENOMA CELLS BY 1,25-DIHYDROXYVITAMIN D₃

Charlotte Gröschel, Abhishek Aggarwal, Irfete Fetahu, Julia Höbaus, Doris Hummel, Samawansha Tennakoon, Teresa Manhardt, Brigitte Marian, Enikő Kállay

PARASITES AS BENEFICIARIES OF SPECIES PROTECTION LEGISLATION AND CONSERVATION MEDICINE & BIOLOGY IMPACT ASSESSMENT EFFORTS

Andreas R. Hassl

MOLECULAR ANALYSIS OF NCOR1 FUNCTION IN T CELLSLena Haust¹, Hammad Hassan¹, Johan Auwerx², Wilfried Ellmeier¹**CONSEQUENCES OF THE OVEREXPRESSION OF THE VITAMIN D DEGRADING ENZYME CYP24A1 IN VIVO AND VITRO**

Julia Höbaus, Samawansha Tennakoon, Charlotte Gröschl, Doris M. Hummel, Abhishek Aggarwal, Ursula Thiem, Irfete Sh. Fetahu, Teresa Manhardt, Enikő Kállay

COMPARISON OF SUBCUTANEOUS AND INTRAMUSCULAR APPLICATION OF FSME-Immun® VACCINE: CHARACTERIZATION OF CELLULAR AND HUMORAL VACCINE SPECIFIC IMMUNE RESPONSESStefan Hopf¹, Erika Garner-Spitzer¹, Michael Hofer¹, Ingrid Demel¹, Michael Kundi², Otfried Kistner³ and Ursula Wiedermann¹**ROLE OF PROINFLAMMATORY CYTOKINES ON EXPRESSION OF VITAMIN D METABOLISM AND TARGET GENES IN COLON CANCER CELLS**

Doris M. Hummel, Irfete S. Fetahu, Charlotte Gröschel, Abhishek Aggarwal, Julia Höbaus, Samawansha Tennakoon, Teresa Manhardt, Enikő Kállay

CONJUNCTIVAL IMMUNIZATION AS AN ALTERNATIVE ROUTE FOR CHLAMYDIA VACCINE DELIVERY: IMMUNE RESPONSES TO PMPC, AN OUTER MEMBRANE PROTEIN OF CHLAMYDIA TRACHOMATISInic-Kanada A¹, Stojanovic M², Belij S¹, Marinkovic E², Stojicevic I², Montanaro J¹, Stein E, Bintner N¹, Ladurner A, Barisani-Asenbauer¹**ALLERGEN UPTAKE CHARACTERIZATION BY DENDRITIC CELLS: SPECIFICITY AND RELEVANT FACTORS**

Kazem Ashjaei, Nina Lengger, Merima Bublin, Dieter Palmberger*, Isabella Ellinger, Heimo Breiteneder, Karin f-Sommergruber

WORKSHOP 4 (SP31 – SP40)

Chairpersons: Heimo Breiteneder, Julia Walochnik

EXPLORING CANDIDATE PROTEINS INVOLVED IN METHYLMERCURY (MeHg) TRANSFER AT THE HUMAN MATERNO-FETAL BARRIER: EXPRESSION OF AMINO ACID TRANSPORTER LAT1 and LAT2 AND ORGANIC ANION TRANSPORTER OAT4

Jost Kemper^{1,2}, Agnes Voss^{1,2}, Martin Reiter^{1,2}, Matthias Scheinast¹, Hana Uhrova², Harald Zeisler³, Martin Knöfler³, Hans Salzer⁴, Isabella Ellinger², Claudia Gundacker¹

BET V 1 AND HOMOLOGOUS FOOD ALLERGENS ARE SIMILARLY PROCESSED BY ANTIGEN-PRESENTING CELLS BUT DIFFER IN T CELL REACTIVITY

Kitzmüller C. (1,2), Zulehner N. (1), Roulias A. (3), Briza P. (3), Ferreira F. (3), Bohle B. (1,2)

INFLUENCE OF CHEMOTHERAPEUTIC DRUGS, CISPLATIN, ETOPOSIDE AND TOPOTECAN, ON PH REGULATING TRANSPORTERS AND ENZYMES

Lukas Klameth^{1,2}, Martin Svoboda¹, Theresia Thalhammer¹, Ulrike Olszewski², Klaus Geissler, Walter Jäger⁴ and Gerhard Hamilton²

BIOLOGICAL ACTIVITY OF NON-PERIPHERALLY SUBSTITUED PHTHALOCYANINE – *IN VITRO* EVALUATION FOR PHOTODYNAMIC THERAPY

Malgorzata Kucinska¹, Wojciech Szczolko², Mariusz Kaczmarek³, Tomasz Goslinski², Theresia Thalhammer⁴ and Marek Murias¹

TIM-3 DOES NOT ACT AS A RECEPTOR FOR GALECTIN-9

Judith Leitner¹, Katharina Grabmeier-Pfistershammer², Armin Rieger², Winfried F. Pickl¹, Gerhard Zlabinger¹ and Peter Steinberger¹

THE LATE ENDOSOMAL TRANSPORTER CD222 DIRECTS THE SPATIAL DISTRIBUTION AND ACTIVITY OF LCK

Karin Pfisterer¹, Florian Forster¹, Wolfgang Paster^{1,2}, Verena Supper¹, Paul Eckerstorfer¹, Clemens Donner¹, Anna Repic¹, Hannes Stockinger¹, and Vladimir Leksa¹

CHARACTERIZATION OF AN EPITOPE CROSSREACTIVE BETWEEN HIGH MOLECULAR BIRCH POLLEN ALLERGENS AND THE CELERY ALLERGEN API G 5

Anna Lukschal^{1,2}, Merima Bublin¹, Julia Wallmann¹, Heimo Breiteneder¹, Isabella Pali-Schöll², Erika Jensen-Jarolim^{1,2}

DECIPHERING THE FUNCTION OF FOLATE RECEPTOR BETA

Christian Machacek, Verena Supper, Goran Mitulović, Karel Drbal, Miloslav Suchanek, Hannes Stockinger and Anna Repic

HIGH DENSITY IGE RECOGNITION OF THE MAJOR GRASS POLLEN ALLERGEN, PHL P 1, REVEALED WITH SINGLE CHAIN IGE ANTIBODY FRAGMENTS OBTAINED BY COMBINATORIAL CLONING

Christoph Madritsch, Elisabeth Gadermaier, Christian Lupinek, Rudolf Valenta and Sabine Flicker

PREVALENCE OF ANTIBIOTIC RESISTANT BACTERIA ISOLATED FROM MEAT PURCHASED AT RETAIL IN VIENNA

Sofia Wanner, M. Manafi

WORKSHOP 5 (SP41 – SP50)

Chairpersons: Karin Hoffmann-Sommergruber, Gerhard Zlabinger

LYMPHOGRAMULOMA VENEREUM PROCTITIS – FROM RAPID SCREENING TO MOLECULAR CONFIRMATION OF A MASKED STD

Mateusz Markowicz¹, Evelyn Grilnberger², Gabriele Leibl², Manfred Gartner³, Monika Huber⁴, Andreas Chott⁴, Michael Reiter¹, Gerold Stanek¹

THE CYTOPLASMIC DNASE TATD AS A POSSIBLE CAUSE FOR DNA DESTRUCTION IN *ENTAMOEBIA HISTOLYTICA* TREATED WITH METRONIDAZOLE

Julia Matt, Michael Duchêne

DEGREE AND ORGANIZATION PATTERN OF LYMPHOCYTE POPULATIONS WITHIN THE ACTIVE BORDER OF HUMAN COLORECTAL CANCER LIVER METASTASES: ASSOCIATION BETWEEN IMMUNOLOGICAL IMPRINT AND SURVIVAL

Anastasia Meshcheryakova^{1*}, Dietmar Tamandl^{2*}, Erika Bajna¹, Martin Svoboda¹, Denise Heiden¹, Judith Stift³, Martina Mittlboeck⁴, Erika Jensen-Jarolim^{1,5}, Thomas Grünberger², Michael Bergmann², Diana Mechtcheriakova¹

IL-35 IS INDUCED IN HUMAN T CELLS UPON CO-STIMULATION VIA CD43 AND PD-1

Madhura Modak¹, Maria Seyerl¹, Regina Aigner¹, Petra Cejka¹, Otto Majdic¹, Daniel Olive², Gerhard Zlabinger¹, Johannes Stöckl¹

MELATONIN RECEPTOR TYPE 1 IS EXPRESSED IN THORACIC AORTA AND MESENTERIC ARTERY

Lubos Molcan¹, Isabella Ellinger², Michal Zeman¹

SEEING IS BELIEVING - BACTERIAL GHOSTS DERIVED FROM *ESCHERICHIA COLI* STRAIN NISSLE 1917, RETAIN SURFACE PROPERTIES IMPORTANT FOR IMMUNE MODULATION, CAN EXPRESS FOREIGN ANTIGENS AND ARE SUITABLE FOR DRUG DELIVERY AND ANTIGEN PRESENTATION IN OCULAR SURFACE TISSUE

Jacqueline Montanaro¹, Simone Schlacher¹, Aleksandra Inic-Kanada¹, Sandra Belij¹, Elisabeth Stein¹, Nora Bintner¹, Angela Ladurner¹, Ulrike Beate Mayr², Werner Lubitz², Talin Barisani-Asenbauer¹

INVESTIGATION OF TRANSCRIPTOME-ALTERATIONS OF *BARTONELLA HENSELAE* AND ENDOTHELIAL CELLS IN COCULTURE

Andreas Müller, Michael Reiter, Anna-Margarita Schötta, Hannes Stockinger and Gerold Stanek

HUMAN NEONATAL FC-RECEPTOR-MEDIATED TRANSPLACENTAL IMMUNO-GLOBULIN G TRANSPORT

Yuliya Mytsko¹, Hana Uhrova¹, Renate Fuchs¹, Hans Helmer², Isabella Ellinger¹

A MOLECULAR MODEL SYSTEM TO EXAMINE THE INFLUENCE OF DISTINCT FACTORS ON BASOPHIL ACTIVATION

Nazanin Najafi¹, Angelika Stöcklinger², Birgit Linhart¹, Christoph Madritsch¹, Christian Lupinek¹, Josef Thalhamer², Rudolf Valenta¹, Sabine Flicker¹

AIRWAY INFLAMMATION AND HYPERREACTIVITY INDUCED BY SOLE AEROALLERGEN EXPOSURE IN HUMANIZED ALLERGY MICE EXPRESSING A HUMAN MUGWORT-SPECIFIC T-CELL RECEPTOR AND HLA-DR1

Alina Neunkirchner^{1,2}, Daniela Wojta-Stremayr^{1,2}, Klaus G. Schmetterer², Lukas Mager², Victoria Reichl^{1,2}, Edward Rosloniec³, Ronald Naumann⁴, Gerhard Dekan⁵, Beatrice Jahn-Schmid⁶, Barbara Bohle^{1,6} and Winfried F. Pickl^{1,2}

WORKSHOP 6 (SP51 – SP60)**Chairpersons: Wilfried Ellmeier, Irma Schabussova****SURVEY ON PHLEBOTOMUS SPP. IN EASTERN AUSTRIA AND THEIR PHYLOGENY AND IMPORTANCE AS VECTORS FOR LEISHMANIA AND PHLEBOVIRUSES**Adelheid G. Obwaller¹, Wolfgang Pöppl², Torsten J. Naucke³, Gerhard Mooseder⁴, Horst Aspöck⁵, Julia Walochnik⁵**TRI A 37, A POTENTIAL DIAGNOSTIC MARKER FOR SEVERE WHEAT FOOD ALLERGY, COMPRISES NON-CONFORMATIONAL IGE EPITOPES**

Sandra Pahr (1,2)*, Regina Selb (3), Claudia Constantin (1), Nikos G.Papadopoulos (4), Stavroula Giavi (4), Mika Mäkelä (5), Anna Pelkonen (5), Sandra Scheibelhofer (6), Josef Thalhamer (6), Irene Mittermann (1,2), Verena Niederberger (3), Susanne Vrtala (1,2), Rudolf Valenta (1)

ENTRY OF HUMAN RHINOVIRUS 89 VIA ICAM-1 INTO HELA EPITHELIAL CELLS IS INHIBITED BY ACTIN SKELETON DISRUPTION AND BY BAFILOMYCIN

Beatrix Pfanzagl, Daniel Andergassen, Johanna Edlmayr, Katarzyna Niespodziana, Rudolf Valenta, and Dieter Blaas

HOW T HELPER CELLS RECOGNIZE ANTIGEN ON PROFESSIONAL ANTIGEN PRESENTING CELLS; A MOLECULAR IMAGING APPROACHRene Platzer*, Gerhard J. Schütz[†], Hannes Stockinger*, Johannes B. Huppa***A COMPREHENSIVE AND QUANTITATIVE ANALYSIS OF THE SPECIFICITIES IN RABBIT ANTITHYMOCYTE GLOBULIN PREPARATIONS**

Irene Popow (1), Judith Leitner (1), Katharina Grabmeier-Pfistershammer (2), Otto Majdic (1), Gerhard J. Zlabinger (1), Michael Kundi (3), Peter Steinberger (1)

THE RESPONSE TO PLX4032 IN V600E MUTANT MELANOMA CELLS UNDER HYPOXIC CONDITIONSDaniela Pucciarelli¹, Lucia Csaderova², Filippo Juliano², Nina Lengger¹, Heimo Breiteneder¹, Silvia Pastorekova², Christine Hafner¹**THE SOLUBLE CYTOPLASMIC TAIL OF CD45 (CT-CD45) INDUCES A NON-CANONICAL FORM OF ANERGY IN HUMAN T CELLS**

Alexander Puck, Maria Seyerl, Stefan Hopf, Otto Majdic, Gerhard Zlabinger, Judith Leitner, Peter Steinberger, Johannes Stöckl

EXPLORING CANDIDATE PROTEINS INVOLVED IN METHYLMERCURY (MeHg) TRANSFER AT THE HUMAN MATERNO-FETAL BARRIER: EXPRESSION OF THE MULTIDRUG RESISTANCE-ASSOCIATED PROTEIN 2 (MRP2/ABCC2)Martin Reiter^{1,2}, Agnes Voss^{1,2}, Jost Kemper^{1,2}, Matthias Scheinast¹, Hana Uhrova², Harald Zeisler³, Martin Knöfler³, Hans Salzer⁴, Isabella Ellinger², Claudia Gundacker¹**DETECTION OF B. MIYAMOTOI IN IXODES RICINUS TICKS COLLECTED IN AUSTRIA**Michael Reiter^a, Anna M. Schötta^a, Andreas Müller^a, Franc Strle^b, Eva Ruzic-Sabljić^c and Gerold Stanek^a**PHENOTYPICAL AND FUNCTIONAL DIVERSITY OF FOLATE RECEPTOR β -POSITIVE MACROPHAGES IN DISEASED TISSUE**Anna Repic¹, Christian Machacek¹, Gerhard Zlabinger², Vladimir Leksa¹, Eva Petrova³, Hannes Stockinger¹

WORKSHOP 7 (SP61 – SP70)**Chairpersons: Isabella Ellinger, Johannes Stöckl****DIFFERENCES IN THE IGE- AND IGG-REACTIVITY PROFILE OF ASTHMATIC AND NON-ASTHMATIC HOUSE DUST MITE-ALLERGIC PATIENTS REVEALED WITH MICRO-ARRAYED HDM ALLERGENS**

Resch Y. (1), Michel S. (2), Kabesch M. (3), Valenta R. (1), Vrtala S. (1, 4)

TRANSCRIPTIONAL CONTROL OF CYTOTOXIC T CELL DIFFERENTIATION BY MAZR

Shinya Sakaguchi (1), Daniela Hainberger (1), Hirokazu Tanaka (2), Lena Haust (1), Tsukasa Okuda (3), Yoram Groner (4), Ichiro Taniuchi (2), Wilfried Ellmeier (1)

DIFFERENT PRODUCTION OF MAJOR CAT ALLERGEN FEL D 1 IN NORMAL VERSUS HYPOALLERGENIC CAT BREEDS?J. Satorina^{1,2}, K. Szalai², A. Lukschal¹, A. Willensdorfer¹, N. Mothes-Luksch^{1,3}, E. Jensen-Jarolim^{1,2}**MICROSCOPY-BASED ALGORITHM FOR QUALITATIVE AND QUANTITATIVE ANALYSIS OF IMMUNE CELL POPULATIONS WITHIN COMPLEX OVARIAN CANCER TISSUES**Elfi Scharf^{1*}, Anastasia Meshcheryakova^{1*}, Susanne Wöhrer^{1*}, Erika Bajna, Denise Heiden, Martin Svoboda¹, Erika Jensen-Jarolim^{1,2}, Peter Birner³, Diana Mechtcheriakova¹**A NOVEL TOOL TO ISOLATE AND ANALYZE LIPID RAFTS**

Philipp Schatzlmaier, Johannes B. Huppa, Hannes Stockinger

FREE-LIVING AMOEBAE (FLA) AS RESERVOIR FOR *LEGIONELLA PNEUMOPHILA* AND OTHER BACTERIA: DEVELOPMENT OF A SCREENING SYSTEM FOR WATER FACILITIES IN AUSTRIAUte Scheikl¹, Allen Tsao², Matthias Horn², Alexander Indra³ and Julia Walochnik¹**INSIGHT INTO THE REDOX REGULATION OF *ENTAMOEBIA HISTOLYTICA* SERINE ACETYTRANSFERASE-**

Sarah Schlosser, David Leitsch, Michael Duchêne

NEURAMINIDASE IS A SAFE FUNCTIONALIZATION SUBSTANCE OF ALLERGEN-LOADED MICROPARTICLES FOR ORAL IMMUNOTHERAPY OF FOOD ALLERGY

Susanne C. Diesner (1,2), Cornelia Schultz (1), Xue-Yan Wang (3), Vera Assmann (1), Gerda Ratzinger (3), Franziska Roth-Walter (1,4), Philipp Starkl (1), Thomas Eiwegger (2), Zsolt Szépfalusi (2), Isabella Pali-Schöll (1,4), Erika Jensen-Jarolim (1,4), Franz Gabor (3) and Eva Untersmayr (1)

A NOVEL CONCEPT OF DETOXIFICATION: COMPLEXATION BETWEEN ACONITINE AND LIQUIRITIN IN THE CHINESE HERBAL FORMULA SINI TANGShan He^a, Karoline Peter^a, Johann Schinnerl^b, Susanne Felsinger^c, Lothar Brecker^c, Rudolf Bauer^d, Heimo Breiteneder^a, Ruirong Xu^e, Yan Ma^a**THE ORGANIC ANION TRANSPORTING POLYPEPTIDE OATP4A1 MAY CONTRIBUTE TO IMMUNACTIVATION IN COLORECTAL CANCER AND INFLAMMATORY COLON DISEASE.**Maidah Sheikh¹, Simone Zotter¹, Aida Larijani¹, Veronika Buxhofer-Ausch^{2,4}, Christoph Ausch^{3,4}, Heike Bauer⁴, Marina Mollik⁵, Erika Bajna¹, Angelika Reiner-Concin⁵, Theresia Thalhammer¹

WORKSHOP 8 (SP71 – SP78)**Chairpersons: Michael Duchene, Sabine Flicker****THE CYSTEINE PROTEASE PAPAINE INDUCES SKIN BARRIER IMPAIRMENT AND HAS STRONG SENSITIZATION CAPACITY VIA THE SKIN**Stremnitzer C¹, Szalai K^{1,2}, Starkl P¹, Willensdorfer A², Pieper M³, König P³, Mildner M⁴, Jensen-Jarolim E^{1,2}**INHIBITION OF T CELL RECEPTOR SIGNALING BY CD147**

Verena Supper, Herbert B. Schiller, Wolfgang Paster, Florian Forster and Hannes Stockinger

AID/APOBEC-ASSOCIATED GENE SIGNATURE: PROGNOSTIC POWER FOR OVERALL SURVIVAL OF PATIENTS WITH PRIMARY OVARIAN CARCINOMAMartin Svoboda¹, Dietmar Pils², Georg Heinze³, Anastasia Meshcheryakova¹, Dan Tong², Theresia Thalhammer¹, Erika Jensen-Jarolim^{1,4}, Markus Jaritz⁵, Philip Zimmermann⁶, Robert Zeillinger², Diana Mechtcheriakova¹**INVOLVEMENT OF CALCIUM SENSING RECEPTOR ON DOWNSTREAM SIGNALLING PATHWAYS IN COLON CANCER CELLS**Samawansha Tennakoon⁽¹⁾, Abhishek Aggarwal⁽¹⁾, Luca Hegedus⁽²⁾, Maximilian Wohlgenannt⁽¹⁾, Charlotte Gröschel⁽¹⁾, Doris Hummel⁽¹⁾, Irfete Fetahu⁽¹⁾, Julia Höbous⁽¹⁾, Lukas Gober⁽¹⁾, Enikő Kallay**CD4 T CELL LINEAGE INTEGRITY IS CONTROLLED BY THE HISTONE DEACETYLASES HDAC1 AND HDAC2**Nicole Boucheron^{1,10}, Roland Tschismarov^{1,10}, Lisa Goeschl^{1,2}, Mirjam Moser³, Sabine Lager^{3,4}, Shinya Sakaguchi¹, Mircea Winter³, Florian Lenz⁵, Dijana Vitko⁶, Florian Breitwieser⁶, Lena Haust¹, Hammad Hassan¹, Keiryn Bennett⁶, Jacques Colinge⁶, Wolfgang Schreiner⁵, Takeshi Egawa⁷, Ichiro Taniuchi⁸, Patrick Matthias⁹, Christian Seiser³ and Wilfried Ellmeier¹**CO-STIMULATORY POTENCY OF INTERLEUKIN 2 APPLIED AS 'NATURAL ADJUVANT' BOUND TO VIRUS-LIKE NANOPARTICLES IS CRITICALLY INFLUENCED BY ITS MEMBRANE-ANCHOR CHARACTERISTICS**Daniela Wojta-Stremayr^{1,2}, Alina Neunkirchner^{1,2}, Klaus G. Schmetterer², Doris Trapin^{1,2} and Winfried F. Pickl^{1,2}**LOCALIZATION AND FUNCTIONAL CONSEQUENCES OF DIFFERENTIAL GPI-ANCHOR SIGNAL SEQUENCES**

Alexander Zwirzitz, Vladimir Leksa and Hannes Stockinger

THE PLASMINOGEN SYSTEM IN APOPTOSIS AND EFFEROCYTOSISKatarina Mazanova², Alexander Zwirzitz¹, Anna Repic¹, Christian Machacek¹, Florian Forster¹, Verena Supper¹, Karin Pfisterer¹, Clemens Donner¹, Otto Majdic³, Hannes Stockinger¹, and Vladimir Leksa^{1,2}

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