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Conference Series - America

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Scientific Program

Euro Immunology 2017

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09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:35 **Title: Single domain antibodies for the knockdown of cytosolic and nuclear proteins**
Thomas Böldicke, Helmholtz Centre for Infection Research, Germany

10:35-11:10 **Title: Roles of regulatory B cells in autoimmunity**
Liwei Lu, The University of Hong Kong, Hong Kong

Networking & Refreshments Break 11:10-11:30 @ Foyer

11:30-12:05 **Title: Regulation of diversification and affinity maturation of antibodies**
Thomas Grundström, Umeå University, Sweden

Workshop

12:05-12:35 **Title: PRS – Co-resident objective measure of IHC stain performance for process QC and diagnostic aid**
Jee Shum, HS Technology LLC, USA

Sessions:

Inflammatory/Autoimmune Diseases | T-Cells and B-Cells | Cellular Immunology | Immunotherapy

Session Chair: Thomas Böldicke, Helmholtz Centre for Infection Research, Germany

Session Introduction

12:35-13:05 **Title: The inflammasome of activated human B-lymphocytes regulates IL-1 β and IgM: A crosstalk between the innate and the adaptive immune response**
Eva M Carmona, Mayo Clinic, USA

Networking & Lunch Break 13:05-13:50 @ Zamora

13:50-14:20 **Title: Reduction of tertiary lymphoid organs in salivary glands of NOD mice by PI3K-delta inhibition**
Marc Bigaud, Novartis Institutes for Biomedical Research, Switzerland

14:20-14:50 **Title: Gamma-aminobutyric acid (GABA) and GLP-1 treatment blocks the activation of the NF-kB inflammatory pathway and promotes the survival and proliferation of human pancreatic beta cells**

Gerald J Prud'homme, Keenan Research Centre for Biomedical Science, St. Michael's Hospital, Canada

14:50-15:20 **Title: A critical role of leptin in promoting B cell response during the development of autoimmune arthritis**

Liwei Lu, The University of Hong Kong, Hong Kong

15:20-15:50 **Title: New protocol for generation of insulin-specific T regulatory cells**
Ivana Stojanovic, University of Belgrade, Serbia

Networking & Refreshment Break 15:50-16:10 @ Foyer

16:10-16:40 **Title: Animal tissue-specific biomolecules influence on rats with cyclophosphamide-induced immunosuppression**

Stepan S Dzhimak, All-Russian Meat Research Institute, Russian Federation

16:40-17:10 **Title: Sublytic C5b-9 induces glomerular mesangial cell apoptosis through the cascade pathway of MEKK2-p38 MAPK-IRF-1-TRADD-caspase 8 in rat Thy-1 nephritis**

Yingwei Wang, Nanjing Medical University, China

17:10-17:40 **Title: Effects of B cells activating factor on growth characteristics of mouse renal tubular epithelial cells**

Haiyan Xu, Third Affiliated Hospital of Soochow University, China

Panel Discussion

Keynote Forum

09:50-10:00 Introduction

10:00-10:35 Title: The combination of disease modeling, immunological profiling and the NSG-UC animal model leads to a better understanding of the mechanism underlying inflammation in UC

Roswitha Gropp, Hospital of Ludwig-Maximilians-University, Germany

Workshops

10:35-11:05 Title: Make immunology research easy - A case on therapeutic antibody discovery
Kun Yin, Genscript, USA

Networking & Refreshment Break 11:05-11:25 @ Foyer

11:25-11:55 Title: From gene to diagnostics and biotherapeutics

Philippe Funrock, ProteoGenix, France

11:55-12:25 Title: ELISPOT as immunomonitoring tool

Oleg Targoni, CTL Europe GmbH, Germany

Sessions:

Viral Immunology | Infectious Diseases and Immune System | Diagnostic Immunology | Mucosal and Regional Immunology

Session Chair: Roswitha Gropp, Hospital of Ludwig-Maximilians-University, Germany

Session Introduction

12:25-12:55 Title: Inactivation and disinfection of zika virus in the presence and absence of blood
S Steve Zhou, Microbac Laboratories, Inc., USA

Networking & Lunch Break 12:55-13:40 @ Zamora

13:40-14:10 Title: The role of mitochondrial dysfunction in inflammatory crosstalk between immune cells and non-myeloid cells such as fibroblasts and myoblasts
Katarzyna Swist-Szulik, Newcastle upon Tyne University, UK

14:10-14:40 Title: Bowel radiation injury: Complexity of the pathophysiology and promises of cell and tissue engineering

Noelle Mathieu, Institute of Radioprotection and Nuclear Safety (IRSN), France

14:40-15:10 Title: The hope of immunonutrition

José Moisés Laparra Llopis, Pabellón Central del antiguo Hospital de Cantoblanco, Spain

15:10-15:40 Title: C5a induces the synthesis of IL-6 and TNF- α in rat glomerular mesangial cells through MAPK signaling pathways

Wen Qiu, Nanjing Medical University, China

15:40-16:10 Title: The fabulous history of eclampsia: An update in 2017

Pierre-Yves Robillard, Centre Hospitalier Universitaire Sud Réunion, France

16:10-16:40 Title: Investigation of IL-12B gene polymorphism (rs3212227) in Iranian patients with Alopecia areata

Reyhaneh Abgoon, Islamic Azad University, Iran

Networking & Refreshment Break 16:40-17:00 @ Foyer

Poster Presentations 16:40-17:20 @ Meeting Rooms

Poster Judge: Thomas Böldicke, Helmholtz Centre for Infection Research, Germany

EUIMM 01 Title: Phenotypic characterization of macrophages subpopulations CD3+ TCR $\alpha\beta$ + / TCR $\alpha\beta$ -
Adriana Rodriguez-Cruz, National Institute of Respiratory Diseases (INER), Mexico

EUIMM 02 Title: Identification of novel anti-inflammatory herbal extracts
Anne Schink, Max Planck Institute for Chemistry, Germany

EUIMM 03 Title: Amelioration of Japanese encephalitis by blockage of 4-1BB signaling is coupled to divergent enhancement of type I/II IFN responses and Ly-6C^{hi} monocyte differentiation

Seong Kug Eo, Chonbuk National University, Republic of Korea

- EUIMM 04** Title: *In silico* study of lipids associated in non-bilayer phospholipid arrangements
Sánchez B Sandra, ENCB- The National Polytechnic Institute, Mexico
- EUIMM 05** Title: Serodiagnosis of tuberculosis: Specific detection of antibodies against the Ag85C-MPT51-HspX fusion protein (CMX)
Eduardo Martins de Sousa, Ceuma University, Brazil
- EUIMM 06** Title: IL-10 polymorphism and IL-10 cytokine production in response to mite stimuli and its association with atopy and asthma in children living in a poor area in Latin America
Flávia de Araújo Sena, Federal University of Bahia (UFBA), Brazil
- EUIMM 07** Title: Asthma, allergy and polymorphisms in vitamin D pathway: A cross section study
Alana Alcântara Galvão, Federal University of Bahia (UFBA), Brazil
- EUIMM 08** Title: Anti-Inflammatory activity of *Bixa orellana* extract against *Mycobacterium abscessus* subsp. *bolletii*
Eduardo Martins de Sousa, Ceuma University, Brazil
- EUIMM 09** Title: Substitute mesenchymal stromal cells therapy in graft versus host disease with a chemically defined cocktail
Yap Chui Sun, Singapore General Hospital, Singapore
- EUIMM 10** Title: Association between higher levels of pro-inflammatory cytokines (TNF, IL-6) and IL-5 in induced sputum and lower lung function among subjects with asthma
Emília M M de Andrade Belitardo, Federal University of Bahia (UFBA), Brazil
- EUIMM 11** Title: Memory T cells are significantly increased in rejecting liver allografts in rhesus monkeys
Hwajung Kim, Seoul National University College of Medicine, South Korea
- EUIMM 12** Title: Impaired priming and increased ROS production by circulating neutrophils from patients with chronic lymphocytic leukemia
Gayane Manukyan, Palacky University Olomouc, Czech Republic
- EUIMM 13** Title: Expression profiling of chemokine receptors in peripheral blood mononuclear cells in chronic lymphocytic leukemia
Gabriela Gabcova, Palacky University Olomouc, Czech Republic
- EUIMM 14** Title: Development of genotype VII NDV inactivated vaccine
Guan-Ming Ke, National Pingtung University, Taiwan
- EUIMM 15** Title: Efficient production of type O foot - and - mouth disease subunit vaccine using baculovirus expression system
Chi-Chi Wen, National Pingtung University, Taiwan

Poster Presentations 17:25-18:05 @ Meeting Rooms

- EUIMM 16** Title: PMNs as “Trojan horse” vehicles for *Brucella abortus* persistence in murine bone marrow
María Cristina Gutiérrez-Jiménez, University of Costa Rica, Costa Rica
- EUIMM 17** Title: Tissue echocardiography in early detection of myocardial dysfunction in RA
Nebal Morad Abdelhamid Mohamed, Mansoura University, Egypt
- EUIMM 18** Title: Development of flow cytometry based adherence assay for *Nessieria gonorrhoeae* using 5'-carboxyfluoresceinsuccidyl ester (CFSE) and ME-180 cells
Sidharth Dev Thakur, University of Saskatchewan, Canada
- EUIMM 19** Title: The effect of nitration on the potential allergenicity of wheat derived alpha amylase trypsin inhibitors (ATIs)
Kira Ziegler, Max Planck Institute for Chemistry, Germany
- EUIMM 20** Title: Participation of plasmacytoid dendritic cells and NKT cells in the mouse model of lupus induced by non-bilayer phospholipid arrangements
Landa S Carla, ENCB- The National Polytechnic Institute, Mexico
- EUIMM 21** Title: Significance of DNA methylation to polyp formation of eosinophil and neutrophil in chronic rhinosinusitis
Jong-Yeup Kim, Konyang University, South Korea
- EUIMM 22** Title: The NOD-like receptor (NLRP3) gene variability in patients with recurrent aphthous stomatitis
Simona Valova, Masaryk University, Czech Republic
- EUIMM 23** Title: Lipin-2 mRNA inhibition aggravates TLR ligands induced inflammation
Seung-Heon Hong, Wonkwang University, South Korea
- EUIMM 24** Title: Regulation of TIM-3 expression in T cells by tumor-conditioned media
Sun Park and Sujin Yun, Ajou University, South Korea

- EUIMM 25** Title: **Ectopic expression of the membrane-bound form of IL-17A promotes the growth and tumorigenicity of cancer cells**
Young Sang Kim, Chungnam National University, Republic of Korea
- EUIMM 26** Title: **Anti-inflammatory effect of guggulsterone on inflammatory responses through ROS-HO-1 axis**
Sung-Joo Park, Wonkwang University, South Korea
- EUIMM 27** Title: **Lack of full re-constitution of exhausted HCV-specific CD8+ T cells following IFN-free DAA therapy is partially reversed upon immune check-point inhibitions during chronic HCV**
Amare Aregay, Hannover Medical School, Germany
- EUIMM 28** Title: **Analysis of factors affecting the differences between total IgG and sum of the IgG subclasses in children with suspected immunodeficiency**
Gerard Pasternak, Wroclaw Medical University, Poland
- EUIMM 29** Title: **Distinct upstream role of type I IFN signaling in hematopoietic stem cell-derived and epithelial resident cells for concerted recruitment of Ly-6Chi monocytes and NK cells via CCL2-CCL3 cascade**
Seong Kug Eo, Chonbuk National University, South Korea
- EUIMM 30** Title: **Serum protein pattern associated with severe manifestations of SLE: Organ damage and lupus nephritis**
Eva Kriegova and Anna Petrackova, Palacky University Olomouc, Czech Republic
- EUIMM 31** Title: **Significantly increase of memory T-cells in rejected liver allografts in rhesus monkeys**
Kyung-Suk Suh, Seoul National University, South Korea

e-Posters

- EUIMM 01** Title: **Immunological and molecular characterization of hepatitis B virus in asymptomatic voluntary blood donors**
Pushkala Subramanian, Dr. M.G.R Medical University, India
- EUIMM 02** Title: **Vanadium and chromium mediated impairments in the immunological reactivity of rats with aseptic inflammation**
Aliya N Tokusheva, Asfendiyarov Kazakh National Medical University, Kazakhstan

Panel Discussion

Day 3 July 1, 2017

Salmanca

Sessions:

Cancer and Tumor Immunobiology | Autoimmunity and Therapathies | Clinical and Cellular Immunology

Session Chair: Thomas Böldicke, Helmholtz Centre for Infection Research, Germany

Session Introduction

- 10:00-10:30** Title: **Loss of immunological tolerance as a driving force of inflammation in the NSG-UC mouse model of ulcerative colitis**
Roswitha Gropp, Hospital of Ludwig-Maximilians-University, Germany
- 10:30-11:00** Title: **ER Intrabodies against the polysialyltransferases ST8Siall and ST8SialV inhibit polysialylation of NCAM in rhabdomyosarcoma tumor cells**
Thomas Böldicke, Helmholtz Centre for Infection Research, Germany

Networking & Refreshment Break 11:00-11:20 @ Foyer

- 11:20-11:50** Title: **Cross-talk between human mast cells and epithelial cells by IgE-mediated periostin production in eosinophilic nasal polyps**
Dong-Kyu Kim, Hallym University College of Medicine, South Korea
- 11:50-12:20** Title: **Released-active antibodies are innovative products for the effective management of severe respiratory viral infections**
Alexandra Emelyanova, The Institute of General Pathology and Pathophysiology, Moscow
- 12:20-12:50** Title: **Role of co-inhibitory pathways during experimental infection by *Trypanosoma cruzi* Tulahuen strain**
Yanina H Arana P, Bernhard Nocht Institute for Tropical Medicine (BNITM), Germany
- 12:50-13:20** Title: **Anti-C1q antibody concentrations by ELISA in systemic lupus erythematosus**
Audrey Margery-Muir, Curtin University, Western Australia

Networking & Lunch Break 13:20-14:05 @ Zamora

Panel Discussion

Closing Ceremony