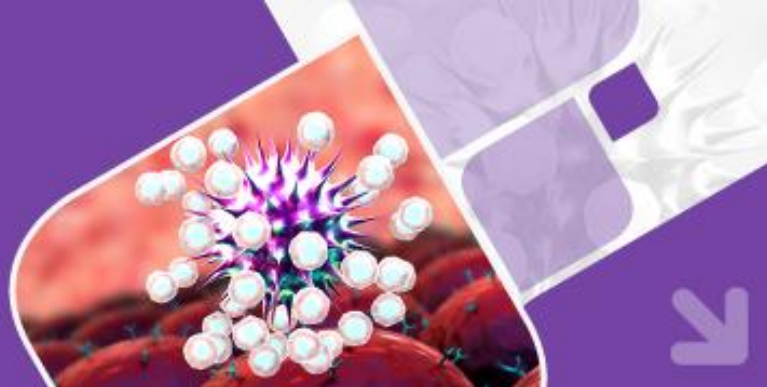




**THE XVIth
CONGRESS OF THE POLISH
SOCIETY OF EXPERIMENTAL
AND CLINICAL IMMUNOLOGY**



DAY 1
Thursday, June 8, 2017

08 ⁴⁵ - 09 ⁴⁵	<p align="center">Introductory remarks Opening lecture: Tamás Fülöp Is immunity really compromised in the elderly or do we need a new paradigm? <i>Chairs: Ewa Bernatowska, Jacek Roliński, Jacek Witkowski</i></p>		
10 ⁰⁰ - 19 ⁰⁰	<p align="center">Clinical immunology 1 Auditorium Praska</p>	<p align="center">Basic immunology Auditorium Mokotowska</p>	<p align="center">Clinical immunology 2 Auditorium Wilanowska</p>
	<p align="center">Diagnostic methods in immunology <i>Chairs:</i> <i>Jarosław Baran, Cracow, Poland</i> <i>Urszula Demkow, Warsaw, Poland</i></p> <p>10⁰⁰ Next generation sequencing as new diagnostic tool, <i>Urszula Demkow, Warsaw, Poland</i></p> <p>10¹⁵ Molecular methods in the diagnostics of immunodeficiency, <i>Magdalena Rutkowska-Zapała, Cracow, Poland</i></p> <p>10³⁰ Exosomes as biomarkers in various diseases, <i>Jarosław Baran, Cracow, Poland</i></p>	<p align="center">Immunoregulation part 1 <i>Chairs:</i> <i>Nadzieja Drela, Warsaw, Poland</i> <i>Piotr Trzonkowski, Gdansk, Poland</i></p> <p>10⁰⁰ Diversity and abundance of autoreactive CD4+ clones concealed in peripheral repertoire that are controlled by CD4+Foxp3+ T cells (Tregs), <i>Leszek Ignatowicz, Georgia, USA</i></p> <p>10²⁰ Macrophages as regulatory cells, <i>Ewa Kozłowska, Warsaw, Poland</i></p> <p>10⁴⁰ Regulatory T cells in the clinic, <i>Natalia Marek-Trzonkowska, Gdansk, Poland</i></p>	<p align="center">Primary immunodeficiencies in children <i>Chairs:</i> <i>Ewa Bernatowska, Warsaw, Poland</i> <i>Miriam van der Burg, Rotterdam, the Netherlands</i> <i>Anna Pituch-Noworolska, Cracow, Poland</i></p> <p>10⁰⁰ New insights into molecular process in PID: the story of the immune repertoire, <i>Miriam van der Burg, Rotterdam, the Netherlands</i></p> <p>10³⁰ fSCIG in treatment of children with PID, <i>Nicholas Brodzki, Stockholm, Sweden</i></p>
10 ⁰⁰ -11 ³⁰	<p>11⁰⁰ Oral presentation</p> <p>A novel immunological biomarker of CMV can predict viremia after kidney Transplantation, <i>Maciej Zieliński, Agnieszka Tarasewicz, Hanna Zielińska, Magdalena Jankowska, Grażyna Moszkowska, Alicja Dębska-Słizień, Bolesław Rutkowski, Piotr Trzonkowski</i></p>	<p>11⁰⁰ Oral presentations</p> <p>Immunological consequences of manipulation in glutathione level, <i>Sylvia Wrotek, Tomasz Jędrzejewski, Magdalena Wolska, Wiesław Kozak</i></p> <p>Production of IL-33 and MMP-9 in response to Helicobacter pylori infection. Cellular model in vitro, <i>Weronika Gonciarz, Adrian Gajewski, Eliza Mnich, Krzysztof Hinc, Michał Obuchowski, Anthony P Moran, Magdalena Chmiela</i></p> <p>In vivo model of H. pylori infection in Cavia porcellus – role of IL-33 and MMP-9 in gastric epithelial cell barrier damage and inflammatory response, <i>Weronika Gonciarz, Adrian Gajewski, Eliza Mnich, Maria Walencka, Magdalena Chmiela</i></p>	<p>11⁰⁰ Oral presentations</p> <p>Complete Di George syndrome in one center experience, <i>Malgorzata Pac, Nel Dąbrowska-Leonik, Katarzyna Bernat-Sitarz, Małgorzata Skomska-Pawliszak, Beata Wolska-Kusnierz, Barbara Pietrucha, Edyta Heropolitańska-Pliszka, Dominika Skoczyńska, Barbara Piatosa, Jacek Michalkiewicz, Graham Davies, Ewa Bernatowska</i></p> <p>The Differences of T and B Cell Maturation in A-T patients on/without Immunoglobulin Supplementation, <i>Barbara Pietrucha, Barbara Piatosa, Edyta Heropolitańska-Pliszka, Hanna Gregorek, Ewa Bernatowska</i></p> <p>Comparison of diagnostic values of presenting infectious and noninfectious symptoms in the recognition of primary immunodeficiencies, <i>Anna Dąbrowska, Elżbieta Grześk, Anna Urbańczyk, Mariusz Wysocki, Jan Styczyński, Sylwia Kołtan</i></p>

11 ³⁰ -12 ⁰⁰	Coffee break		
12 ⁰⁰ -13 ³⁰	<p style="text-align: center;">Rheumatology <i>Chairs:</i> <i>Ewa Bryl, Gdansk, Poland</i> <i>Ewa Kontny, Warsaw, Poland</i> <i>Włodzimierz Maśliński, Warsaw, Poland</i></p> <p>12⁰⁰ T and B cells in rheumatoid arthritis - how early the changes start? <i>Ewa Bryl, Gdansk, Poland</i></p> <p>12³⁰ Mesenchymal stem cells in rheumatic diseases – friends or foes? <i>Ewa Kontny, Warsaw, Poland</i></p> <p>13⁰⁰ Oral presentations</p> <p>Rheumatoid arthritis bone marrow environment supports Th17 response, <i>Ewa Kuca-Warnawin, Weronika Kurowska, Monika Prochorec-Sobieszek, Anna Radzikowska, Tomasz Burakowski, Urszula Skalska, Magdalena Massalska, Magdalena Plebańczyk, Barbara Małdyk-Nowakowska, Iwona Słowińska, Robert Gasik, Włodzimierz Maśliński</i></p> <p>Differential expression of BAFFR+ and CD21+ on peripheral blood B cells from patients with undifferentiated arthritis who progressed to rheumatoid arthritis <i>Izabella Bzoma, Edyta Brzustewicz, Agnieszka Dąca, Maria Szarecka Małgorzata Sochocka - Bykowska, Jacek M Witkowski, Ewa Bryl</i></p> <p>Epigenetic alterations play a role in monocyte-driven pathogenesis of systemic sclerosis <i>Marzena Ciechomska, Krzysztof Bonek, Anna Plaza, Piotr Gluszko, Monika Swacha, Marzena Olesinska, Bartosz Wojtas, Bożena Kaminska, Katarzyna Bogunia-Kubik, Włodzimierz Maslinski</i></p>	<p style="text-align: center;">Immunotherapy <i>Chairs:</i> <i>Jakub Gołqb, Warsaw, Poland</i> <i>Bożena Kamińska-Kaczmarek, Warsaw, Poland</i> <i>Radosław Zagożdżon, Warsaw, Poland</i></p> <p>12⁰⁰ Tumor immune evasion mechanisms – perspectives for cancer immunotherapy, <i>Jakub Gołqb, Warsaw, Poland</i></p> <p>12²⁵ Reprogramming antitumor innate immunity in gliomas, <i>Bożena Kamińska-Kaczmarek, Warsaw, Poland</i></p> <p>12⁵⁰ Chimeric antigen receptors as tools for modern adoptive immunotherapies, <i>Radosław Zagożdżon, Warsaw, Poland</i></p> <p>13¹⁵ Oral presentations</p> <p>The role of interleukin 2 in cellular therapy with Tregs <i>Natalia Marek-Trzonkowska, Małgorzata Myśliwiec, Dorota Iwaszkiewicz-Grześ, Mateusz Gliwiński, Karolina Piekarska, Marcelina Grabowska, Ilona Derkowska, Małgorzata Żalińska, Maciej Zieliński, Hanna Zielińska, Anna Jaźwińska-Curyłło, Radosław Owczuk, Agnieszka Szadkowska, Piotr Witkowski, Wojciech Młynarski, Przemysława Jarosz-Chobot, Artur Bossowski, Janusz Siebert, Piotr Trzonkowski</i></p> <p>Effect of genetically modified dendritic cells for production of IL-12 and/or IL-18 on activation of anti-tumor response <i>Jagoda Mierzejewska, Katarzyna Węgierek, Joanna Rossowska, Natalia Anger, Agnieszka Szczygieł, Elżbieta Pajtasz-Piasecka</i></p>	<p style="text-align: center;">Immunoglobulin therapy in various diseases <i>Chairs:</i> <i>Sylwia Kołtan, Bydgoszcz, Poland</i> <i>Małgorzata Pac, Warsaw, Poland</i></p> <p>12⁰⁰ Immunoglobulin treatment, current status, clinical considerations and future directions, <i>Anders Fasth, Goeteborg, Sweden</i></p> <p>12³⁰ Secondary hypogammaglobulinemia in children - immunoglobulin replacement therapy or "watch-and-wait" strategy? <i>Sylwia Kołtan, Bydgoszcz, Poland</i></p> <p>12⁵⁰ Facilitated subcutaneous immunoglobulin therapy – real-life experience in primary immunodeficiency (PID) adult patients – preliminary report, <i>Ewa Więsik-Szewczyk, Warsaw, Poland</i></p> <p>13⁰⁵ Oral presentations</p> <p>My “second” time with HyQvia, <i>Wojciech Sydor, Dorota Mizera, Jacek Musiał</i></p>
13 ³⁰ -14 ³⁰	Lunch		

14³⁰-16⁰⁰

Immunopathology

Chairs:

*Grzegorz Dworacki, Poznan, Poland
Małgorzata Wągrowska-Danilewicz,
Lodz, Poland
Jan Żeromski, Poznan, Poland*

14³⁰ Pathogenesis and immune diagnosis of selected glomerulopathies,

*Małgorzata Wągrowska-Danilewicz,
Lodz, Poland*

14⁵⁰ The role of nod-like receptors in health and disease,

Jan Żeromski, Poznan, Poland

15¹⁰ Significance of elevated serum immunoglobulin subclass 4 (IgG4) in immunopathology,

Grzegorz Dworacki, Poznan, Poland

15³⁰ Oral presentation

Efficacy of Human Peripheral Nerve Epineurium in Prevention of Neuroma Formation in the Rat Experimental Sciatic Nerve Neuroma Model

*Katarzyna Futoma, Arkadiusz Jundzill,
Dariusz Patrzalek, Maria Siemionow,
Aleksandra Klimczak*

Immunoregulation part 2

Chairs:

*Monika Baj-Krzyworzeka, Cracow, Poland
Krzysztof Bryniarski, Cracow, Poland*

14³⁰ Tumor-derived microvesicles as important players in tumor-immune cells interactions,

Monika Baj-Krzyworzeka, Cracow, Poland

14⁵⁰ Free extracellular miRNAs associating with exosomes to precisely target cells as significant contributors to immunoregulation,

Krzysztof Bryniarski, Cracow, Poland

15²⁰ Oral presentations

Stress-induced changes in the expression of estrogen receptors and aromatase in carp monocytes/macrophages,

Ewa Szwejsler, Lukasz Pijanowski, Magdalena Maciuszek, Anna Ptak, B.M. Lidy Verburg-van Kemenade, Magdalena Chadzinska

Active extracellular Wnt proteins contribute to fibrogenesis in experimental autoimmune myocarditis,

Edyta Grzyb, Marcin Czepiel, Tomas Valenta, Maciej Siedlar, Gabriela Kania, Przemysław Blyszczuk

Primary and secondary immunodeficiencies in adults

Chairs:

*Karina Jahnz-Różyk, Warsaw, Poland
Jacek Roliński, Lublin, Poland
Maciej Siedlar, Cracow, Poland*

14³⁰ Primary immunodeficiency in adults from the perspective of the drug program in Poland,

Karina Jahnz-Różyk, Warsaw, Poland

14⁵⁵ Immunodeficiencies connected with autoimmunity

Maciej Siedlar, Cracow, Poland

15²⁰ Secondary immunodeficiency in adults,

Jacek Roliński, Warsaw, Poland

16⁰⁰-16³⁰

Coffee break

	<p>Immunology of viral infections <i>Chairs:</i> <i>Andrzej Horban, Warsaw, Poland</i> <i>Jerzy Jaroszewicz, Bialystok, Poland</i> <i>Małgorzata Pawłowska, Warsaw, Poland</i></p> <p>16³⁰ Risk of hepatitis B virus (HBV) reactivation in clinical practice <i>Małgorzata Pawłowska, Bydgoszcz, Poland</i></p> <p>16⁴⁵ Expression of selected receptors of nk cells in patients with chronic viral hepatitis C <i>Iwona Mozer-Lisewska, Poznan, Poland</i></p> <p>17⁰⁰ Immunotherapy rediscovered v novel approaches for the treatment of chronic viral diseases <i>Jerzy Jaroszewicz, Bialystok, Poland</i></p> <p>17¹⁵ Use of molecular techniques for recognition of emerging viral genetic variants- sources of infection, direction of transmission and impact on epidemic in Poland, <i>Andrzej Horban, Warsaw, Poland</i></p> <p>17³⁰ Oral presentations</p> <p>Activity of chronic hbv infection related to th17/treg imbalance, <i>Anna Parfieniuk-Kowerda, Andrzej Eljaszewicz, Kamil Grubczak, Magdalena Świdorska, Magdalena Maciaszek, Agnieszka Czauż-Andrzejuk, Jerzy Jaroszewicz, Marcin Moniuszko, Robert Flisiak</i></p> <p>Assessment of PD1- positive T and B lymphocytes in patients with recurrent HSV1 infection, <i>Hymos Anna, Grywalska Ewelina, Klatka Janusz, Roliński Jacek</i></p> <p>MicroRNA expression profile in NK cells in children with severe and/or recurrent infection with Herpes simplex virus, <i>Marzena Lenart, Anna Gruca, Marcin Surmiak, Anna Szafarska, Magdalena Rutkowska-Zapała, Anna Pituch-Noworolska, Maciej Siedlar</i></p>	<p>Autoimmunity and autoinflammation <i>Chairs:</i> <i>Jacek Musiał, Cracow, Poland</i> <i>Elżbieta Smolewska, Lodz, Poland</i></p> <p>16³⁰ Autoimmune response and autoinflammatory phenomena in pathogenesis of rheumatic diseases, <i>Ewa Kontry, Warsaw, Poland</i></p> <p>16⁵⁰ New aspects of AAV diagnosis and treatment, <i>Jan Sznajd, Aberdeen University, UK</i></p> <p>17¹⁰ Juvenile idiopathic arthritis – new concepts on pathogenesis cytokine directed treatment strategies, <i>Elżbieta Smolewska, Lodz, Poland</i></p> <p>17³⁰ Oral presentations</p> <p>Development of diagnosis and treatment of systemic autoinflammatory diseases in Poland, <i>Beata Wolska-Kuśnierz, Ivona Aksentijevich, D. Rowczenio, Kamila Czerska, Edyta Heropolitańska-Pliszka, Nel Dabrowska-Leonik, M. Skomska-Pawliszak, Hanna Gregorek, Bożena Cukrowska, Ewa Bernatowska</i></p> <p>From fibrosis to diagnosis, <i>Justyna Roszkiewicz, Elzbieta Smolewska</i></p> <p>The role of expression and single nucleotide polymorphisms of key genes influencing the removal of immune complexes in systemic lupus erythematosus, <i>Aleksandra Majdan, Teresa Małecko-Massalska, Radosław Mlak, Maria Majdan</i></p>	<p>Regeneration of immunity to fight cancer <i>Chair:</i> <i>Jürgen Finke, Freiburg, Germany</i> <i>Andrzej Lange, Wroclaw, Poland</i></p> <p>16³⁰ The cancer immunotherapy and host tumorInteractions, <i>Ilona Kryczek, Ann Arbor, USA</i></p> <p>16⁵⁰ Allogeneic transplantation: its role in immune response to leukemia? <i>Jürgen Finke, Freiburg, Germany</i></p> <p>17¹⁰ The role of NK-cells in fighting cancer, <i>Jacek Nowak, Warsaw, Poland</i></p> <p>17³⁰ Intra-bone DLI and multi-kinase Inhibitors in boosting leukemia specific immune response in patients post allo-HSCT, <i>Andrzej Lange, Wroclaw, Poland</i></p>
18 ⁰⁰ -19 ⁰⁰	Coffee break - Poster Session 1		
19 ³⁰ -23 ⁰⁰	Opening ceremony, awards, and dinner Invited lecture Theresa Whiteside Cancer Immunotherapy: facts and hopes		

Day 2
Friday, June 9, 2017

09 ⁰⁰ - 16 ⁰⁰	Clinical immunology 1 Auditorium Praska	Basic immunology Auditorium Mokotowska	Clinical immunology 2 Auditorium Wilanowska
09 ⁰⁰ - 11 ⁰⁰	<p>Immunological aspects of HSCT and solid organs transplantation <i>Chairs:</i> Katarzyna Drabko, Lublin, Poland Magdalena Durlik, Warsaw, Poland Beata Wolska-Kuśnierz, Warsaw, Poland</p> <p>09⁰⁰ The role of gut microbiome in Hematology and hematopoietic cell Transplantation, <i>Jarostaw Biliński, Warsaw, Poland</i></p> <p>09³⁰ Mesenchymal stem cells immunomodulatory properties and their application in graft versus host disease, <i>Katarzyna Drabko, Lublin, Poland</i></p> <p>10⁰⁰ The significance of donor specific antibodies (DSA) in transplanted organ injury, <i>Magdalena Durlik, Warsaw, Poland</i></p> <p>10³⁰ Oral presentations</p> <p>20-years of experience in hematopoietic stem cell transplantation in primary immunodeficiencies in Poland – report of Polish Pediatric Group for Hematopoietic Stem Cell Transplantation <i>Beata Wolska-Kuśnierz, Małgorzata Pac, Barbara Pietrucha, Edyta Heropolitańska-Pliszka, Katarzyna Bernat-Sitarz, Nel Dąbrowska-Leonik, Małgorzata Skomska-Pawliszak, Andrzej Lange, Ewa Gorczyńska, Krzysztof Kałwak, Marek Ussowicz, Katarzyna Drabko, Agnieszka Zaucha-Prażmo, Marta Choma, Anna Pieczonka, Jacek Wachowiak, Jolanta Goździk, Aleksandra Krasowska-Kwiecień, Wojciech Czogała, Jan Styczyński, Barbara Piątosza, Maja Klauedel-Dreszler, Ewa Bernatowska</i></p> <p>Human cytomegalovirus infection after kidney transplantation <i>Maciej Zieliński, Agnieszka Tarasewicz, Hanna Zielińska, Magdalena Jankowska, Grażyna Moszkowska, Alicja Dębska-Ślizień, Bolesław Rutkowski, Piotr Trzonkowski</i></p>	<p>Innate immunity <i>Chairs:</i> Joanna Cichy, Poland Janusz Marcinkiewicz, Cracow, Poland</p> <p>09⁰⁰ Innate immunity – Overview Heterogeneity of phagocytes – various roles of live and dead neutrophils in immunity, <i>Janusz Marcinkiewicz, Cracow, Poland</i></p> <p>09³⁰ Inhibitors of serine proteases in regulating the production and function of neutrophil extracellular traps, <i>Joanna Cichy, Cracow, Poland</i></p> <p>09⁵⁰ Neutrophils cause microcoagulation in sepsis: involvement of neutrophil extracellular traps, <i>Elżbieta Kołaczkowska, Cracow, Poland</i></p> <p>10¹⁰ The efficiency of extracellular trap formation from cell lines induced by different protocols, <i>Urszula Demkow, Warsaw, Poland</i></p> <p>10³⁰ Oral presentations</p> <p>The role of reactive nitrogen species in formation of neutrophil extracellular traps, <i>Manda-Handzlik Aneta, Wachowska Małgorzata, Bystrzycka Weronika, Ciepela Olga, Demkow Urszula</i></p> <p>Implications of Neutrophil Extracellular Traps Formation during Sepsis in Obese and Lean Mice, <i>Iwona Cichon, Michal Santocki, Weronika Ortmann, Elzbieta Kolaczkowska</i></p> <p>10⁵⁰ Conclusions, <i>Joanna Cichy</i></p>	<p>Tumor immunology part 1 Solid tumors <i>Chairs:</i> Joanna Domagała-Kulawik, Warsaw, Poland Claudine Kieda, Orlean, France Andrzej Mackiewicz, Poznan, Poland</p> <p>09⁰⁰ Tumor-derived exosomes: emerging mechanisms of immune suppression in the tumor microenvironment, <i>Theresa Whiteside, Pittsburgh, USA</i></p> <p>09²⁵ Animal model and human immunotherapy with stem cells based melanoma vaccines, <i>Andrzej Mackiewicz, Poznan, Poland</i></p> <p>09⁵⁰ Oxygen and control of the immune recruitment in the tumor microenvironment, <i>Claudine Kieda, Orelean, France</i></p> <p>10¹⁵ Tregs, Bregs, Mregs in malignancy as the targets of immunotherapy, <i>Joanna Domagała-Kulawik, Warsaw, Poland</i></p> <p>10⁴⁰ Oral presentation</p> <p>Human recombinant Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) secreted by <i>Lactococcus lactis</i> cells kills colon cancer cells <i>in vitro</i> <i>Ciaćma K., Więckiewicz J., Siedlar M., Baran J.</i></p>
11 ⁰⁰ - 11 ³⁰	Coffee break		

Vaccines and vaccination

Chairs:

Ewa Bernatowska, Warsaw, Poland
Bożena Mikołuc, Białystok, Poland
Jacek Roliński, Lublin, Poland

11³⁰ **Bordetella pertussis cellular vaccine vs. acellular vaccine: Differences in immune response?**

Jacques J. van Dongen, Leiden, the Netherlands
Magdalena Berkowska, Leiden, the Netherlands

12⁰⁰ **ASIA syndrome- autoimmune/Autoinflammatory syndrome induced by adjuvants: PROS and CONS discussion,**

Ewa Bernatowska, Warsaw, Poland
Bożena Mikołuc, Białystok, Poland



Session supported
by the Jeffrey Modell Foundation

Immunomodulation and immunotoxicology

Chairs:

Barbara J. Bałan, Warsaw, Poland
Andrzej Siwicki, Olsztyn, Poland

11³⁰ **Plant phytochemical as natural Modulators of angiogenesis: role in inflammation and cancer prevention. Presumed hazards for pregnancy,**

Barbara J. Bałan Warsaw, Poland

12⁰⁰ **Immunotoxicology of selected macro-, micro- and nanoelements,**

Sylvia Terpiłowska, Lublin, Poland

12³⁰ **Oral presentations**

Similarities and Differences Between Mesenchymal Stem Cells Derived From Various Niches of Human Body

Urszula Kozłowska, Dariusz Patrzalek, Katarzyna Futoma, Tadeusz Dorobisz, Dariusz Janczak, Tomasz Jurek, Magdalena Czuba, Marta Rorat, Aleksandra Klimczak

β-escin – a new agent in the skeletal muscle regeneration improvement?

Maria Sikorska, Iwona Grabowska, Magdalena Kowalewska, Oliwia Zegrocka–Stendel, Katarzyna Koziak

Diversity of Immunological Properties of Glial Restricted Progenitors from Different Species – Importance for Prospect Therapy of Neurodegenerative Disorders

Urszula Kozłowska, Aleksandra Klimczak, Piotr Walczak, Joanna Sanford, Maciej Kurpisz

Immunology of reproduction

Chairs:

Maciej Kurpisz, Poznan, Poland
Jacek Malejczyk, Warsaw, Poland

11³⁰ **Endometriosis and autoimmunity**

Jacek Malejczyk, Warsaw, Poland

12⁰⁰ **Modulatory role of soluble factors promoting trophoblastic HLA-G, C-E and endogenous progesterone activity at the fetomaternal interface**

Nelson Fernandez, University of Essex, UK

12³⁰ **Human polyvalent immunoglobulins administration algorithms in reproductive immunology,**

Maciej Kurpisz, Poznan, Poland

13⁰⁰ **Oral presentations**

The influence of sildenafil citrate on production of cytokines in women with recurrent pregnancy loss

Monika Kniołek, Michał Zych, Aleksander Roszczyk, Małgorzata Jerzak

The role of the KIR2DL4 and its ligand - HLA-G genes polymorphism in patients with endometriosis

Karolina Wilczyńska, Aleksandra Bylińska, Łukasz Milewski, Jacek Malejczyk, Rafał Płoski, Ewa Barcz, Piotr Roszkowski, Paweł Kamiński, Andrzej Malinowski, Jacek R. Wilczyński, Paweł Radwan, Michał Radwan, Piotr Kuśnierczyk, Izabela Nowak

Recurrent miscarriage is associated with increased ghrelin expression in the endometrium

Aneta Zwierzchowska, Anna Iwan, Anna Hyc, Barbara Suchońska, Jacek Malejczyk, Ewa Barcz

Expression of PD-1 and PD-L1 in patients with endometriosis

Monika Walankiewicz, Ewelina Grywalska

11³⁰- 13¹⁵

13¹⁵- 14⁴⁵

Lunch

13⁴⁵- 14⁴⁵

Poster session 2

Immunogenetics and pharmacogenetics



supported by the Polish Society for Immunogenetics

Chairs:

*Katarzyna Bogunia-Kubik, Wrocław, Poland
Marek Drożdżik, Szczecin, Poland*

14⁴⁵ Introduction, Katarzyna Bogunia-Kubik, Wrocław, Poland

14⁵⁰ Pharmacogenetic aspects of pharmacotherapy in allogenic kidney transplantation, Marek Drożdżik, Szczecin, Poland

15¹⁵ Immunogenetics and pharmacogenetics of diabetes mellitus, Maciej Borowiec, Łódź, Poland

15⁴⁰ The role of genetic factors related to immune response in the etiology of schizophrenia, Błażej Misiak, Wrocław, Poland

16⁰⁵ Oral presentations

The study on the role of the UCP1 gene variations in modulation of thermogenin expression and risk of the cardio-metabolic disorders - Multinational network - U-GENE,

Karabon L, Kowalska A, Witkowicz A, Bogdanski P, Czepczyński R, Ruchala M, Yepiskoposyan L, Nadolnik L, Shidlovskii Y, Metsios G, Flouris A.

The influence of KIRs (killer-cell immunoglobulin-like receptors) and their ligands polymorphism on immunological success of anti-HIV-1 therapy (cART),

Olga Błachowicz, Tomasz Tomczyk, Brygida Knysz, Jacek Gąsiorowski, Małgorzata Zalewska, Beata U. Orzechowska, Marta Sochocka, Egbert Piasecki, Michał Ochnik, Katarzyna Zwolińska

Immune system signaling/Immunology of aging

Chairs:

*Tamás Fülöp
Jacek Witkowski, Gdansk, Poland*

**14⁴⁵ Signal transduction changes in immune cells with aging,
Tamás Fülöp, Sherbrooke, Canada**

**15³⁰ T cell ageing is affected by changed intracellular proteolysis,
Jacek Witkowski, Gdansk, Poland**

Tumor Immunology part 2 Lymphoproliferative disorders

Chairs:

*Grzegorz Dworacki, Poznan, Poland
Wiesław Wiktor Jędrzejczak,
Warsaw, Poland*

**14⁴⁵ WHO classification of lymphomas; modifications introduced in 2016 and 2017,
Bogna Ziarkiewicz-Wroblewska,
Warsaw, Poland**

**15³⁰ The role of tumor microenvironment in lymphoproliferative malignancies,
Grzegorz Dworacki, Poznan, Poland**

**16⁰⁰ CAR-T cells: new modality in the treatment of lymphoproliferative disorders,
Wiesław W. Jędrzejczak, Warsaw, Poland**

14⁴⁵-16³⁰

16³⁰-17³⁰

Coffee break

17³⁰-19³⁰

General meeting of PTIDiK members

Day 3
Saturday, June 10, 2017

8 ⁰⁰ -8 ⁴⁵	Plenary lecture: Summary of EuroFlow principles and applications <i>Jacques J. van Dongen, Leiden, the Netherlands</i> <i>Chair: Ewa Bernatowska</i>		
9 ⁰⁰ -14 ³⁰	Clinical immunology 1 Auditorium Praska	Basic immunology Auditorium Mokotowska	Clinical immunology 2 Auditorium Wilanowska
9 ⁰⁰ -10 ³⁰	<p>Microbiome, infection and immunity <i>Chairs:</i> <i>Ewelina Grywalska, Lublin, Poland</i> <i>Andrzej Górski, Warsaw, Poland</i></p> <p>9⁰⁰ Microbiome, infection and immunity. Host – microbiome interactions in health and disease, <i>Aleksandra Kołodziejczyk, Rehovo, Israel</i></p> <p>9³⁰ Bacterial viruses (phages) may control functions of the immune system <i>Andrzej Górski, Wrocław, Poland</i></p> <p>10⁰⁰ Oral presentations</p> <p>Studies on the presence of Lactobacillus and Bifidobacterium probiotic bacteria in the nasal and throat mucosa in patients with primary immunodeficiency <i>Aleksandra Lewandowicz-Uszyńska, Gerard Pasternak, Agnieszka Korzeniowska-Kowal, Andrzej Gamian</i></p> <p>Interactions of mycobacterium tuberculosis proteins with Human serum amyloid A (SAA) <i>Malwina Kawka, Katarzyna Dzitko, Jarosław Dziadek, Bożena Dziadek</i></p>	<p>Polish Society for Cytometry <i>Chairs:</i> <i>Jacques van Dongen, Leiden, the Netherlands</i> <i>Alberto Orfao, Salamanca, Spain</i> <i>Tomasz Szczepański, Katowice, Poland</i></p> <p>9⁰⁰ Diagnosis of acute leukemia: ALOT and ALL (BCP-ALL and T-ALL), <i>Tomasz Szczepański, Warsaw, Poland</i></p> <p>9³⁰ Normal myeloid differentiation pathways: Basis for classification of AML and MDS, <i>Alberto Orfao, Salamanca, Spain</i></p> <p>10⁰⁰ EuroFlow-based MRD monitoring: BCP-ALL as example, <i>Lukasz Sedek, Katowice, Poland</i></p>	<p>Allergology <i>Chairs:</i> <i>Zbigniew Bartuzi, Bydgoszcz, Poland</i> <i>Marek Jutel, Wrocław, Poland</i> <i>Barbara Rogala, Katowice, Poland</i></p> <p>9⁰⁰ New approaches in managing food allergy and anaphylaxis, <i>Zbigniew Bartuzi, Bydgoszcz, Poland</i></p> <p>9³⁰ Angioedema – is or is not the allergic disorder? <i>Barbara Rogala, Katowice, Poland</i></p> <p>10⁰⁰ Precision medicine in allergy management, <i>Marek Jutel, Wrocław, Poland</i></p>
10 ³⁰ -11 ⁰⁰	Coffee break (Poster session 3)		

Immunodermatology

Chairs:

*Edyta Heropolitańska-Pliszka,
Warsaw, Poland
Jarosław Paśnik, Lodz, Poland*

- 11⁰⁰ Cutaneous manifestation of primary immunodeficiency disorders,**
Jarosław Paśnik, Lodz, Poland
- 11²⁰ Prospects and limitations of biological treatment in dermatology,**
Bartłomiej Kwiek, Warsaw, Poland
- 11⁴⁰ Cutaneous granuloma in patients with Nijmegen Breakage Syndrome (NBS) and Ataxia-telangiectasia (A-T) – diagnostic and treatment challenge,**
*Edyta Heropolitańska-Pliszka,
Warsaw, Poland*

12⁰⁰ Oral presentation

Severe progressive cutaneous and systemic granulomatosis in a child with ataxia-telangiectasia and combined immunodeficiency,

Aleksandra Szczawińska-Popłonyk, Katarzyna Olejniczak, Katarzyna Jończyk-Potoczna, Husam Samara, Maciej Boruckowski, Jadwiga Małydk and Anna Bręborowicz

First case of treatment with sirolimus of infiltrating skin and organs granuloma in PID patient,

Nel Dąbrowska – Leonik, Edyta Heropolitańska – Pliszka, Małgorzata Pac, Ewa Bernatowska

Cystatin C peptidomimetic derivative with immunoregulatory properties as a potential compound against wound infections - novel strategies for the safety assessment of peptides-based drugs,

Michał Pikuła, Maria Smużyńska, Adam Krzystyniak, Maciej Zieliński, Paulina Langa, Anna Wardowska, Franciszek Kasprzykowski, Piotr Trzonkowski, Sylwia Radzie-

Polish Society for Cytometry**Session 2**

Chairs:

*Jacek Roliński, Lublin, Poland
Jan Sikora, Poznan, Poland
Piotr Smolewski, Poland*

- 11⁰⁰ Flow cytometric assessment of immune system diseases,**
Jan Sikora, Poznan, Poland
- 11²⁵ Diagnostics and assessment of minimal residual disease in chronic lymphocytic leukemia and multiple myeloma,**
Piotr Smolewski, Lodz, Poland
- 11⁵⁰ The advantages and disadvantages of flow cytometry as a method of choice in the studying of blood platelets in mouse models of human pathology,**
Cezary Watała, Lodz, Poland

12¹⁵ Oral presentations

Flow cytometric assessment of Neutrophil Extracellular Traps release – a promising or a useless method?

Olga Ciepiela, Aneta Manda-Handzlik, Aneta Moskalik, Weronika Bystrzycka, Urszula Demkow

Veterinary immunology

Chairs:

*Wiesław Deptuła, Szczecin, Poland
Paulina Niedźwiedzka-Rystwej,
Szczecin, Poland*

- 11⁰⁰ Reception**
- 11⁰⁵ Rabbit immune response against Pathogenic and non-pathogenic forms of Rabbit hemorrhagic disease virus (RHDV),**
Joana Abrantes, Vairao, Portugal
- 11²⁵ Antibodies evolution in the European rabbit and other Leporids,**
Pedro Esteves, Vairao, Portugal
- 11⁴⁵ Complete genome analysis of rabbit haemorrhagic disease virus (RHDV) strains isolated in Poland,**
Andrzej Fitzner, Puławy, Poland
- 12⁰⁰ Antigenic variants of RHD (rabbit haemorrhagic disease) – a challenge and new opportunities,**
*Paulina Niedźwiedzka-Rystwej,
Szczecin, Poland*
- 12¹⁵ Oral presentation**
- Expression of CXC chemokines and their receptors during a stress response in fish,**
Lukasz Pijanowski, B.M. Lidy Verburg-van Kemenade, Magdalena Chadzinska

12 ³⁰ -14 ⁰⁰	<p>Immunology of fungal infection <i>Chairs:</i> <i>Katarzyna Dzierżanowska-Fangrat, Warsaw</i></p> <p>12³⁰ Immune response to fungal infections, <i>Katarzyna Dzierżanowska-Fangrat, Warsaw, Poland</i></p> <p>12⁵⁰ Invasive aspergillosis after stem cell transplantation and polymorphism of innate immunity genes, <i>Lidia Gil, Warsaw, Poland</i></p> <p>13¹⁵ Clinical picture and treatment of invasive aspergillosis in chronic granulomatous disease, <i>Edyta Heropolitańska-Pliszka, Warsaw, Poland</i></p>	<p>Cytometry in Primary Immunodeficiency <i>Chairs:</i> <i>Ninela Irga-Jaworska, Gdańsk</i> <i>Barbara Piątośa, Warsaw</i></p> <p>12³⁰ EuroFlow lecture on diagnosis of Lymphoid PID, <i>Jacques J.M. van Dongen, Leiden, the Netherlands</i></p> <p>13⁰⁰ Oral presentations</p> <p>Irreplaceable flow cytometry – protein loss syndromes’, case study <i>Joanna Renke, Magdalena Szalewska, Ilona Zagożdżon</i></p> <p>Flow cytometric in primary immunodeficiency – when it reverses initial diagnosis, <i>Karolina Bukowska-Strakova, Magdalena Rutkowska-Zapała, Anna Szaflarska, Maciej Siedlar</i></p> <p>Diagnosis of primary immunodeficiencies - can the result of cytometry study surprise us? <i>Elżbieta Grzešek, Sylwia Kołtan</i></p>	<p>Varia <i>Chairs:</i> <i>Andrzej Gamian, Wrocław, Poland</i> <i>Aleksandra Lewandowicz-Uszyńska, Wrocław, Poland</i></p> <p>12³⁰ Galactosphingolipids metabolism and resistance/sensitivity of breast cancer cells to cellular stress, <i>Maciej Ugorski, Wrocław, Poland</i></p> <p>12⁵⁰ The use of artificial intelligence techniques in fundamental sciences and medicine, <i>Katarzyna Pentoś, Wrocław, Poland</i></p> <p>13¹⁰ Major glycolipids of <i>Lactobacillus johnsonii</i>, as potential inflammatory bowel disease diagnostic markers, <i>Mariola Paściak, Sabina Górńska, Natalia Jawiarczyk, Andrzej Gamian</i></p> <p>13³⁰ Oral presentations</p> <p>NEP as an endopeptidase is moderately involved in growth and metastatic activity of colon cancer cells <i>in vitro</i>, <i>Magdalena Mizerska-Kowalska, Agnieszka Bojarska-Junak, Joanna Jakubowicz-Gil, Piotr Pożarowski, Barbara Zdzisińska, Martyna Kandefer-Szerszeń</i></p> <p>Enterobacterial OmpC protein recognized by human umbilical cord antibody as a potential diagnostic marker of humoral immunodeficiency in children, <i>Piotr Naporowski, Anna Jarzqb, Danuta Witkowska, Aleksandra Lewandowicz-Uszyńska, Andrzej Gamian</i></p> <p>Alpha ketoglutarate enhances osteoprotegerin production and downregulates the ratio RANKL/OPG in osteoblast cell lines <i>in vitro</i>, <i>Katarzyna Kaławaj, Adrianna Sławińska-Brych, Magdalena Mizerska-Kowalska, Aleksandra Żurek, Agnieszka Bojarska-Junak, Martyna Kandefer-Szerszeń, Barbara Zdzisińska</i></p>
14 ⁰⁰ -14 ³⁰	Closing remarks		
15 ⁰⁰ -17 ³⁰	The Maze: Adult Patient With PIDs – Diagnostic Traps workshops under the patronate of Shire company		