


*Dedicated to the Memory of Millions Murdered  
and Persecuted in the Dark Days of WWII*



**URSYNÓW PALACE - SETTLEMENT OF THE UNIVERSITY AUTHORITIES**

## **The 55<sup>th</sup> Anniversary of the Committee on Microbiology Polish Academy of Sciences (1952 – 2007)**

<p>The Committee on Microbiology , Division II, Polish Academy of Sciences Warsaw Agricultural University - SGGW, Faculty of Veterinary Medicine, Department of Preclinical Sciences The Committee of Veterinary Sciences, Division V, Polish Academy of Sciences Polish Society of Microbiologists Polish Society of Experimental and Clinical Immunology, Section of Infectious Immunity</p>	 <p><b>Prof. Rudolf S. Weigl</b> (1883-1957)</p>	<p>National Academy of Sciences of Ukraine Ukrainian Society for Microbiologists Lviv National University (Biological Faculty) Zabolotny Institute of Microbiology and Virology Institute of Cell Biology, Lviv</p>
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## **Program of the 2<sup>nd</sup> Polish-Ukrainian Weigl Conference "MICROBIOLOGY IN THE XXI CENTURY" in the 50<sup>th</sup> Anniversary of Passing of Professor Rudolf Stefan Weigl**

**Warsaw Agricultural University-SGGW, 24-26 September 2007**

*Honorary Patronage: His Excellence Olexander Motsyk, Ambassador of Ukraine  
to the Republic of Poland  
Prof. Zbigniew Religa, Minister of Health  
Prof. Michał Seweryński, Minister of Science and Higher Education*

### **• MONDAY - 24 SEPTEMBER**

**11:00** Visit to the Monuments of Taras Schevchenko 🏛️ and Fryderyk Chopin 🎵

**([Cristal Hall] Aula Kryształowa WAU-SGGW, Nowoursynowska 166)**

- 🏛️ **14:00**
- Rector of the Warsaw Agricultural University-SGGW: prof. Tomasz Borecki
  - Opening of the Conference: prof. Marek Niemiałtowski, prof. Andriy Sybirny
  - The letter of the President of the Republic of Poland, prof. Lech Kaczyński
  - Ambassador of Ukraine to the Republic of Poland: H.E. Olexander Motsyk

- Minister of Health: prof. Zbigniew Religa
  - Minister of Science and Higher Education: prof. Michał Seweryński
  - Vicepresident of the Polish Academy of Sciences: prof. Andrzej Górski
  - Chairman of the Division II, Polish Academy of Sciences:  
prof. Andrzej B. Legocki
  - The Rector of the Medical Academy in Warsaw: prof. Leszek Pączek
  - President of the Polish Society of Microbiologists: prof. Waleria Hryniewicz
  - Chairman of the Committee of Veterinary Sciences, Division V,  
Polish Academy of Sciences: prof. Włodzimierz Kluciński
  - Special Guests of the Weigl Conference: prof. Jerzy Chmielowski,  
prof. Valentyn Pidhorsky, prof. Volodymyr Shyrobokov,  
prof. Waclaw Szybalski
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- Honorary Membership of the Committee on Microbiology of the Polish  
Academy of Sciences for prof. Felicja Meisel-Mikołajczyk
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- The Professor Kazimierz Bassalik Award of the Committee on Microbiology  
of the Polish Academy of Sciences for Microbiological Research in 2006  
(Chair: prof. Mirosława Włodarczyk, prof. Marian Truszczyński)

### 15:15 Break 🌸

#### ◆ SESSION I: PROFESSOR RUDOLF STEFAN WEIGL - SCIENTIST, HUMANIST, MAN (Chair: prof. Jerzy Chmielowski, prof. Andriy Sybirny)

- 15:30 Prof. Waclaw Szybalski (Madison, USA) “Celebration of life of Rudolf S. Weigl (1883-1957), a Leopoldine conqueror of typhus: 50<sup>th</sup> Anniversary of his passing”
- 16:00 Dr. Svitlana Hnatysh (Lviv, UA), Prof. Rostyslav Stoika (Lviv, UA)  
“Professor R.S. Weigl and scientific centres in Lviv”
- 16:30 Prof. Felicja Meisel-Mikołajczyk (Warszawa, PL) “Memories about Professor Rudolf Weigl in wartime”
- 16:45 Ms. Krystyna Weigl-Albert (Zabrze, PL), Miss Ewa Weigl-Poznańska (Zabrze, PL) „Professor Rudolf S. Weigl - family reminiscences”
- 17:00 Ms. Barbara Duhl (Rzeszów, PL) “The laboratory of Prof. Weigl Institute of Wysocko Wyżne in the East Carpathian Mountains. The reminiscences of Dr. Janina Duhl”
- 17:15 Rudolf S. Weigl as seen by young microbiologists from the Faculty of Biology, University of Łódź (Chair: prof. Wiesława Rudnicka [Łódź, PL])

### 17:30 Break 🌸

- 17:45 **FILM: CASE OF PROFESSOR WEIGL** ( Producer: Piotr Załuski, TVP 1)  
Conducted by Mr. Piotr Załuski (Wrocław, PL) and Mr. Stanisław Kosiedowski (author of [www.lwow.eu/rudolf-weigl.html](http://www.lwow.eu/rudolf-weigl.html); Gdańsk, PL)



#### ◆ SESSION II (Chair: prof. Zofia Zwolska, prof. Andriy Sybirny)

- 18:30 Prof. Valentyn Pidhorsky (Kyiv, UA), Prof. Andriy Sybirny (Lviv, UA)  
“Centres of microbiological research in Ukraine”
- 19:00 Prof. Marek Niemiałtowski (Warsaw, PL) “Microbiology in Poland:  
focus on the Committee on Microbiology of the Polish Academy of Sciences”

### Break 🌸

- 19:30 🎵 **Chorus of the Warsaw Agricultural University-SGGW**  
(Conductor: Mr. Michał Dąbrowski)

**TUESDAY - 25 SEPTEMBER****(Cristal Hall [Aula Kryształowa] WAU-SGGW, Nowoursynowska 166)****◆ SESSION III: ADVANCES IN VACCINOLOGY***(Chair: doc. Krzysztof J. Wojciechowski [UN FAO], dr. Oleh Stasyk)*

- 9:00 Prof. Lidia Brydak (Warsaw, PL) "Human influenza and its prophylactic measurements"
- 9:30 Dr. Oleh Stasyk (Lviv, UA) "Construction of efficient producer of hepatitis B surface antigen in the yeast *Hansenula polymorpha*"
- 10:00 Prof. Katarzyna Jagusztyn-Krynicka (Warsaw, PL) "The current status of *Helicobacter* vaccines - influence of genomics and proteomics on identification *Helicobacter* gene products as potential vaccine candidates"
- 10:30 Dr. Olena Polishchuk (Kyiv, UA) "Justification of the changes in National calendar of vaccination in Ukraine"

**◆ SESSION IV: ADVANCES IN MICROBIAL GENETICS***(Chair: prof. Bohdan Matselukh [UA], prof. Mirosława Włodarczyk [PL])*

- 11:00 Prof. Andriy Sybirny (Lviv, UA) "Genetic control of selective autophagic peroxisome degradation (pexophagy) in yeasts"
- 11:30 Prof. Adam Jaworski (Łódź, PL) "Integrins and superintegrins: the origins of bacterial multidrug resistance"
- 12:00 Dr. Yuriy Boretsky (Lviv, UA) "Genetic engineering in construction of modern riboflavin producers"
- 12:30 Prof. Małgorzata Łobocka (Warsaw, PL) "Genomics of big bacteriophages - expectations and surprises"

**13:00 - 14:00 Break ☘****◆ 14:00-15:00 POSTER SESSION***(Chair: prof. Daria V. Fedorovych [UA], prof. Antoni Schollenberger [PL])***◆ SESSION V: ADVANCES IN MICROBIAL SYSTEMATICS AND ECOLOGY***(Chair: prof. Volodymyr Ivanytsya [UA], prof. Izabela Krystyna Wolska [PL])*

- 15:00 Prof. Ryszard J. Chróst (Warsaw, PL) "Microbial metabolism of free, extracellular nucleic acids (FENA) in lakes along an eutrophication gradient (Mazurian Lake District, Poland)"
- 15:30 Andriy Halushka, M.Sc. (Lviv, UA) "Bacteria of sulfur cycle: morphological and physiological characteristics, the role in production and utilization of hydrogen sulfide"
- 16:00 Prof. Wiesław Barabasz (Kraków, PL) "Microorganisms - human friendly companions in changing environment"
- 16:30 Prof. Volodymyr Ivanytsya (Odessa, UA) "The resistance formation for chemical pollutants and antibiotics in aquatic bacteria under the anthropogenic pollution"

**◆ SESSION VI: ADVANCES IN MICROBIAL BIOTECHNOLOGY***(Chair: prof. Andriy Sybirny, prof. Waclaw Szybalski)*

- 17:00 Dr. Vera Ubiyvovk (Lviv, UA) "Study of regulation of GSH homeostasis in yeasts as tool for construction of superproducers of this tripeptide"
- 17:30 Prof. Waclaw Szybalski (Madison, USA) "Vectors for amplification and sequencing of DNA. Amplifiable BAC technology: principle and applications"
- 18:00 Dr. Andriy Voronovsky (Lviv, UA) "Metabolic engineering for construction of yeast producers of fuel ethanol from lignocellulosics"
- 18:30 Prof. Lucja Łaniewska-Trokenheim (Olsztyn, PL) "Lactic acid and propionic acid bacteria in biotechnology of food and fodder"

- **WEDNESDAY - 26 SEPTEMBER**

**(Ursynów Palace [Pałac Ursynowski]: Senate Hall [Sala Senatu]  
WAU-SGGW, Nowoursynowska 166)**

- ◆ **SESSION VII: ADVANCES IN ZOOSES CONTROL**

*(Chair: prof. Stanisława Tylewska-Wierzbanowska [PL], prof. Oleksandra Tarasyuk [UA])*

- 9:00 Prof. Stanisława Tylewska-Wierzbanowska, Dr. Edyta Podsiadly (Warsaw, PL) "Bartonellosis - new emerging and re-emerging diseases in humans"
- 9:30 Prof. Daria V. Fedorovych (Lviv, UA) "New approaches for construction of the yeast overproducers of flavin nucleotides"
- 10:00 Prof. Jan F. Żmudziński (Puławy, PL) "Rabies and BSE as threats for human health"
- 10:30 Dr. Ihor Lozynsky (Lviv, UA) "Monitoring of especially dangerous transmissible infections in Ukraine"

- ◆ **SESSION VIII: ADVANCES IN THE FIGHT AGAINST INFECTIONS IN HUMANS**

*(Chair: doc. Marek Gniadkowski [PL], prof. Bohdan Matselukh [UA])*

- 11:00 Prof. Zofia Zwolska (Warsaw, PL) "Modern microbiological diagnostic methods of tuberculosis in clinical practice in Poland"
- 11:30 Prof. Bohdan Matselukh (Kyiv, UA) "A new antitumor antibiotic landomycine"
- 12:00 Prof. Magdalena Chmiela (Łódź, PL) "*H. pylori* – Nobel Prize 2005: achievement and challenge"
- 12:30 Prof. Volodymyr Shirobokov, Dr. Oleksandr Yevtushenko (Kyiv, UA) "Enteroviruses and pregnancy"

**13:00 – 14:00 Break ☺**

- ◆ **SESSION IX: ADVANCES IN IMMUNOLOGY**

*(Chair: prof. Rostyslav Stoika [UA], prof. Maria Nowaczyk [PL])*

- 14:00 Prof. Marek Jakóbiński (Warsaw, PL) "Advances in gene therapy"
- 14:30 Dr. Rostyslav Bilyy, Prof. Rostyslav Stoika (Lviv, UA) "Novel approaches for apoptosis measurement at autoimmune diseases"
- 15:00 Prof. Marek Niemiałtowski (Warsaw, PL) "Smallpox - new look at an old problem in the context of model studies with ectromelia ('smallpox of mice') virus"
- 15:30 Dr. Tetyana Filipova (Odessa, UA) "*Clostridium perfringens* bacteriophage effect on macrophages functional activity and TNF- $\alpha$  production *in vivo* and *in vitro*"

- ◆ **SESSION X: ADVANCES IN MODERN MICROBIAL DIAGNOSTIC TECHNIQUES AND THEIR APPLICATIONS**

*(Chair: prof. Marian Binek [PL], prof. Mykhaylo Gonchar [UA])*

- 16:00 Prof. Jacek Osek (Puławy, PL) "Modern methods in diagnosis of bacterial infections in humans and animals"
- 16:30 Prof. Mykhailo Gonchar (Lviv, UA) "Enzyme- and cells-based biosensors for assay of formaldehyde in vaccines"
- 17:00 Doc. Jarosław Dziadek (Łódź, PL) "DNA repair in pathogenesis of tubercule bacillus"
- 17:30 Prof. Albert Vinnikov (Dnipropetrovsk, UA) "Transport of antibiotic resistance genetic determinants during transduction"

- ◆ **18:15 ROUND TABLE DISCUSSION: SCIENTIFIC COLLABORATION BETWEEN POLISH AND UKRAINIAN MICROBIOLOGISTS**

*(Chair: prof. Andriy Sybirny [UA], prof. Waleria Hryniewicz [PL], prof. Valentyn Pidhorsky [UA]), prof. Marek Niemiałtowski [PL]*

☺ **Closing of the Conference**

(-) ANDRIY SYBIRNY

(-) MAREK NIEMIAŁTOWSKI