

THE PROGRAM OF THE WORKSHOP

Wednesday, 14 June 2017

9.30 – 9.45 OPENING CEREMONY

Session A

Chairpersons:

Assoc. Prof. Radostina Alexandrova, PhD

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

Assoc. Prof. Plamen Todorov, PhD

Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences

Secretary: Desislav Dinev, MSc

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

9.45 – 10.15

AO1. AUTOPHAGY IN NORMAL AND PATHOLOGICAL PROCESSES

Radostina Alexandrova¹, Abedulkadir Mahdi Abudalleh¹

Milena Glavcheva¹, Desislav Dinev¹, Tanya Zhivkova¹, Lora Dyakova², Orlin Alexandrov³

¹*Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str., Block 25, Sofia 1113, Bulgaria*

²*Institute of Neurobiology, Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str., Block 23, Sofia 1113, Bulgaria*

³*Health Service, Gorna Malina Bulgaria*

10.45 – 10.45

AO2. XENOTRANSPLANTATION AS AN INVESTIGATION MODEL OF THE FUNCTIONAL CHARACTERISTICS OF HUMAN OVARIAN TISSUE AFTER CRYOPRESERVATION

P. Todorov¹, E. Hristova¹, A. Chorbanov², N. Mihaylova², G. Rahimi³, V. Isachenko³

¹*Institute of Biology and Immunology of Reproduction – BAS*

²*Institute of Microbiology – BAS, Sofia,*

³*Cologne University, Cologne, Germany*

10.45 – 11.00

AO3. EFFECT OF THE COMBINED EFFECT OF VITAMINS A, D3 AND ON THE MATURATION OF SMOOTH SPERMATOZOIDS IN THE CRYO CONFIRMATION PROCESS

Kiril Lazov, Desislava Gradinarska, Denica Daskalova

Institute of Biology and Immunology of Reproduction "Acad. Kiril Bratanov, Bulgarian Academy of Sciences, Sofia, Bulgaria

11.00 – 11.20 Coffee Break

11.20 – 11.50

**АО4. ОСТРИ ИНТОКСИКАЦИИ С ФОСФОРОРГАНИЧЕН ПЕСТИЦИД –
НУРЕЛЕ Д - ПРЕДСТАВЯНЕ НА ДВА КЛИНИЧНИ СЛУЧАЯ**

Раденкова-Саева Ю., М.Петкова

Клиника по токсикология, УМБАЛСМ “Н.И.Пирогов”,

11.50 – 12.05

**АО5. NOVEL SUBSTRATES FOR THE DETERMINATION OF
FIBROBLAST ACTIVATION PROTEIN α (FAP α) ACTIVITY**

M. Dimitrova¹, I. Iliev¹, D. Tasheva², V. Lozanov³, I. Ivanov³

¹*Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
Academy of Sciences, Sofia, Bulgaria*

²*Faculty of Chemistry and Pharmacy, Sofia University “St. Kl. Ohridsky Sofia, Bulgaria*

³*Department of Medical Chemistry and Biochemistry, Medical University of Sofia, Sofia,
Bulgaria*

12.05 – 12.20

**АО6. SALINOMYCIN AMELIORATES HEMATOLOGICAL
PARAMETERS AFTER CADMIUM-INDUCED INTOXICATION**

Yordanka Gluhcheva¹, Emilia Petrova¹, Ivelin Vladov¹, Ekaterina Pavlova¹,
Kalina Kamenova², Juliana Ivanova³

¹*Institute of Experimental Morphology, Pathology and Anthropology with Museum,
Bulgarian Academy of Sciences, Sofia, Bulgaria;*

²*Faculty of Chemistry and Pharmacy, Sofia University ‘St. Kliment Ohridski’,
Sofia, Bulgaria;*

³*Faculty of Medicine, Sofia University ‘St. Kliment Ohridski’, Sofia, Bulgaria*

12.20 – 12.40

Discussion

Session B

Chairpersons:

Assoc. Prof. Julia Radenkova-Saeva, MD, PhD

Toxicology Clinic, UMHATEM "N. I. Pirogov"

Assoc. Prof. Radostina Alexandrova, PhD

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

Secretary: Boika Andonova-Lilova, MSc

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

13.30 – 14.00

BO1. APPLICATION OF DIAGNOSTIC TECHNIQUES, DATA INTERPRETATION AND ANALYSIS OF LAWSONIA INTRACELLULARIS INFECTIONS

Kiril K. Dimitrov^{1*}, Ivan Dinev¹, Ismet Kalkanov¹, Katerina Todorova², Yosif Velkov², Boicho Nikolov²

1 Pathologic anatomy unit, Department of General and clinical pathology, Faculty of veterinary medicine, Trakia university, Students' campus, 6014, Stara Zagora, Bulgaria, phone: +359 (042) 699 562,

2 Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Science, Acad. G. Bonchev Str., bl. 25, 1113 Sofia, Bulgaria

14.00 – 14.15

BO2. DETECTION OF LAWSONIA INTRACELLULARIS IN WILD BOAR AND INDIGENOUS EASTERN BALKAN SWINE FROM CENTRAL STARA PLANINA

Kiril K. Dimitrov, Ivan Dinev, Ismet Kalkanov

1 Pathologic anatomy unit, Department of General and clinical pathology, Faculty of veterinary medicine, Trakia university, Stara Zagora, Bulgaria

14.15-14.45

BO3. TECHNIQUES FOR OBTAINING PRIMARY CROPS OF COLORECTACAL CARCINOMA

Boyka Andonova-Lilova, Radostina Alexandrova

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria

14.45-15.00

BO4. CANCER STEM CELLS

Desislav Dinev, Radostina Alexandrova

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria

15.00 – 15.20 Coffee Break

15.20 – 15.50

**BO5. DETECTION OF MITE VARROA DESTRUCTOR IN BEE SAMPLES FROM
DIFFERENT REGIONS OF BULGARIA**

Delka Salkova*, Kalinka Gurgulova**, Ilian Georgiev***

15.50-16.05

BO5. СТЕРИЛИТЕТ

Стефани Димитрова, Надежда Стоянова
Медицински Университет София, Медицински факултет

16.05 – 16.20

BO6. КАКВО НЕ ЗНАЕМ ЗА СИНДРОМА НА КУШИНГ

Стефани Димитрова, Надежда Стоянова
Медицински Университет София, Медицински факултет

16.20 – 16.40

Discussion

Thursday, 15 June 2017

Session C

Chairpersons:

Prof. Reni Kalfin, PhD

Institute of Neurobiology, Bulgarian Academy of Sciences

Assoc. Prof. Radostina Alexandrova, PhD

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

Secretary: Lora Dyakova, MSc

Institute of Neurobiology, Bulgarian Academy of Sciences

13.30 – 14.00

CO1. NON-SMALL CELL LUNG CANCER- NEW STRATEGIES OF TREATMENT

Lora Dyakova¹, Tanya Zhivkova², Daniela-Cristina Culita³, Gabriela Marinescu³, Luminita Patron³, Radostina Alexandrova²

¹Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria

²Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria

³Institute of Physical Chemistry “Ilie Murgulescu”, Romanian Academy, Bucharest, Romania

14.00 – 14.30

CO2. GROWTH SUPPRESSION EFFECT OF NOVEL SCHIFF BASE COMPLEXES OF COPPER (Cu) TOWARD CANCER AND NON-CANCER CELL LINES

Milena Glavcheva¹, Zdravka Petrova^{1,2}, Tanya Zhivkova¹, Lora Dyakova³, Gabriela Marinescu⁴, Daniela-Cristina Culita⁴, Luminita Patron⁴, Radostina Alexandrova¹

¹Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str., Block 25, 1113 Sofia, Bulgaria

²Faculty of Biology, Sofia University “St “Kl. Ohridski”, 8 Dragan Tsankov Blvd., 1164 Sofia, Bulgaria

³Institute of Neurobiology, Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str., Block 23, 1113 Sofia, Bulgaria

⁴Institute of Physical Chemistry “Ilie Murgulescu”, Romanian Academy, Bucharest, Romania

14.30 – 15.00

CO3. FERULIC ACID – ANTIPROLIFERATIVE AND PROAPOPTOTIC ACTIVITY IN HELA TUMOR CELLS

A. Georgieva¹, G. Yakub², M. Ignatova², N. Manolova², I. Rashkov², R. Toshkova¹

¹Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia, Bulgaria

²Institute of Polymers, Bulgarian Academy of Sciences, Sofia, Bulgaria

15.00 – 15.20 Coffee Break

15.20 – 15.35

**CO4. DIFFERENTIAL EXPRESSION OF INTEGRINS AND GALECTINS IN
CANCER**

Jordan Stoyloff

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
ul. "Acad.G. Bonchev" bl. 25, Sofia 1113

15.35 – 15.50

**CO5. SUBACUTE SCLEROSING PANENCEPHALITIS - DELAYED AND
TERRIBLE SENTENCE AFTER A MEASLES INFECTION**

A. Pavlova, S. Krumova

National Centre of Infectious and Parasitic Diseases, Department of Virology,
NRL "Measles, mumps, rubella", Sofia, Bulgaria

15.50 – 16.20

**CO6. INTRODUCTION OF DIFFERENT HIV-1 SUBTYPES AMONG
HETEROSEXUALS IN BULGARIA**

Reneta Dimitrova¹, Asya Kostadinova¹, Anna Gancheva¹, Lora Nikolova¹, Ivaylo Elenkov²,
Nina Yancheva², Mariyana Stoycheva³, Daniela Nikolova⁴, Tsetsa Doychinova⁵, Liliya
Pekova⁶, Ivailo Alexiev¹

1. *National Reference Conformatory Laboratory of HIV, National Center of Infectious and Parasitic Diseases, Sofia, Bulgaria. E-mail: naydenova.reneta@gmail.com*
2. *Specialized Hospital for Infectious and Parasitic Diseases, Sofia, Bulgaria.*
3. *Department of Infectious Diseases, Medical University, Plovdiv, Bulgaria.*
4. *University Hospital „St. Marina“, Medical University, Clinic of Infectious Diseases, Varna, Bulgaria.*
5. *Department of Infectious Diseases, Medical University, Pleven, Bulgaria.*
6. *Clinic of Infectious diseases, University Hospital, Stara Zagora, Bulgaria.*

16.20 – 16.35

CO7. LOW DRUG SOLUBILITY – PROBLEMS AND SOLUTIONS

Katerina Stoyanova

Faculty of Biology, Sofia University "St.Kliment Ohridski"

16.35 – 16.50

CO8, HISTORICAL REVIEW OF THE APPLICATIONS OF SEVEN DRUGS

Vasil Boyanov, Liliya Lazova
Medical University of Sofia

16.50 – 17.05

**CO9. DEVELOPMENT OF ELECTROCONVULSIVE THERAPY FROM THE
BEGINNING OF THE TWENTIETH CENTURY TO THE PRESENT**

Vasil Boyanov, Liliya Lazova
Medical University of Sofia

17.05 - 17.30 Discussion

Friday, 16 June 2017

9.30 – 10.00

CO10. CELL SPECIFIC CYTOTOXIC EFFECT OF NEWLY SYNTHESIZED METAL COMPLEXES

Zdravka Petrova^{1,2}, Milena Glavcheva¹, Desislav Dinev¹, Tanya Zhivkova¹, Lora Dyakova³,
Abedulkadir Mahdi Abudalleh¹, Gabriela Marinescu⁴, Daniela Cristina Culita⁴, Luminita
Patron⁴, Radostina Alexandrova¹

¹Institute of Experimental Morphology, Pathology and Anthropology with Museum,
Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str., Block 25, Sofia 1113, Bulgaria

²Faculty of Biology, Sofia University “St. Kliment Ohridski”, Sofia, Bulgaria

³Institute of Neurobiology, Bulgarian Academy of Sciences, Acad. Georgi Bonchev Str.,
Block 23, Sofia 1113, Bulgaria

⁴Institute of Physical Chemistry “Ilie Murgulescu”, Romanian Academy, Bucharest, Romania

10.00 – 10.30

Radostina Alexandrova

*Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
Academy of Sciences*

Session D

Chairpersons:

Assoc. Prof. Radostina Alexandrova, PhD

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
Academy of Sciences

Secretary: Abedulkadir Abudalleh, MSc

*Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
Academy of Sciences*

Secretary: Tanya Zhivkova, MSc

*Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian
Academy of Sciences*

10.30 – 11.00

**DO1. BIOCHEMICAL AND HISTOLOGICAL STUDIES IN RAT MODELS WITH
EXPERIMENTAL IMPLANTS BASED ON MODIFIED BETA – TCP**

Veselin Nanev

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

11.00 – 11.20 Coffee Break

11.20 – 11.35

DO2.

Boyka Andonova-Lilova

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

11.35 – 11.50

DO3. INITIAL STUDIES OF CITRATE-BASED AMORPHOUS CALCIUM PHOSPHATES AS MATERIALS FOR BONE IMPLANTS

Tanya Zhivkova¹, Boyka Andonova-Lilova¹, Lora Dyakova², Abedulkadir Abudalleh¹, Diana Rabadzieva³, Stefka Tepavitcharova³, Radostina Alexandrova¹

¹Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences

²Institute of Neurobiology, Bulgarian Academy of Sciences

³Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences

11.50 – 12.20

DO4. CALCIUM PHOSPHATE LOADED BIOADHESIVE BIOPOLYMER BASED HYDROGEL SCAFFOLD: A NOVEL BIOMATERIAL FOR BONE TISSUE ENGINEERING

Probal Basu, Nabanita Saha, and Petr Saha*

Centre of Polymer Systems, University Institute, Tomas Bata University in Zlin, Trida Tomase Bati, Zlín, The Czech Republic

12.20 – 12.40 Discussion

12.40 – 13.00 Closing Remarks