

The Program of the Workshop

Monday, 27 November 2017

9.50 – 10.00 OPENING CEREMONY

Session A.

Chairpersons:

Prof. Stefka Valcheva-Kuzmanova, MD, PhD, DSc

Medical University, Varna

Assoc. Prof. Radostina Alexandrova, MSc, PhD

*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*

10.00 – 10.15

AO1. PERIODONTITIS AND ESTROGEN DEFICIENCY IN MENOPAUSE

A. Kuzmanov, V. Kuzmanova, S. Valcheva-Kuzmanova

Medical University Prof. Dr. Paraskev Stoyanov, Varna, Bulgaria

10.15 – 10.30

AO2. THE ROLE OF POLYPHENOLS IN INFLAMMATORY BOWEL DISEASE

V. Kuzmanova, A. Kuzmanov, S. Valcheva-Kuzmanova

Medical University Prof. Dr. Paraskev Stoyanov, Varna, Bulgaria

10.30 – 10.45

AO3. DOWN-REGULATION OF AUTOREACTIVE T AND B CELLS BY ANTIBODY THERAPY IN MURINE MODELS OF SYSTEMIC LUPUS ERYTHEMATOSUS

Silviya Bradyanova¹, Nikolina Mihaylova¹, Petroslav Chipinski¹, Stela Chausheva¹,
Ekaterina Todorova², Melinda Herbáth³, Dobroslav Kyurkchiev², József Prechl³,
Andrey Tchorbanov¹

¹*Department of Immunology, Institute of Microbiology, Bulgarian Academy of Sciences, Sofia*

²*Laboratory of Clinical Immunology, University Hospital "St. Ivan Rilski", Sofia*

³*MTA-ELTE Immunology Research Group, Hungarian Academy of Sciences,
Budapest, Hungary*

10.45 – 11.00

AO4. DOWN-MODULATION OF AUTOREACTIVE B-CELLS BY PROTEIN-ENGINEERED CHIMERIC MOLECULES IN MOUSE MODEL OF TYPE 1 DIABETES

Iliyan Manoylov¹, Gabriela Boneva¹, Nikolina Mihaylova¹, Irini Doytchinova²,
Andrey Tchorbanov¹

¹*Laboratory of Experimental Immunology, The Stephan Angeloff Institute of Microbiology,
Bulgarian Academy of Sciences, Sofia, Bulgaria*

²*Faculty of Pharmacy, Medical University of Sofia, Bulgaria*

11.00 – 11.30 Coffee Break

11.30 – 11.45

**AO5. CHIMERIC PROTEIN-ENGINEERED MOLECULES - NEW APPROACH
FOR SELECTIVE ELIMINATION OF ALLERGEN-SPECIFIC B LYMPHOCYTES
IN REACTIONS OF HYPERSENSITIVITY**

Nikola Ralchev, Nikolina Mihaylova, Nikola Kerekov, Andrey Tchorbanov

*Laboratory of Experimental Immunology, Institute of Microbiology, Bulgarian
Academy of Sciences, Sofia, Bulgaria*

11.45 – 12.00

**AO6. ENGINEERED MOLECULES FOR TARGETING OF INFLUENZA A
EPITOPES**

Iva Ivanova¹, Nikolina Mihaylova¹, Iliyan Manoylov¹, Dimitra Makatsori², Stefan Lolov³,
Maria Nikolova⁴, Avgi Mamalaki², Jozsef Prechl⁵ and Andrey Tchorbanov¹

¹ *Laboratory of Experimental Immunology, Institute of Microbiology, Bulgarian Academy of
Sciences, Sofia, Bulgaria*

² *Hellenic Pasteur Institute, Ampelokipi, Athens, Greece*

³ *Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences,
Sofia, Bulgaria*

⁴ *National Reference Laboratory of Immunology, National Center of Infectious and Parasitic
Diseases, Sofia, Bulgaria*

⁵ *Immunology Research Group, Hungarian Academy of Sciences, Budapest, Hungary*

12.00-12.15

**AO7. DEVELOPMENT OF A NOVEL SPECIFIC INHIBITOR OF
AMINOPEPTIDASE A**

V. Petrova¹, D. Tasheva², I. Iliev¹, M. Dimitrova¹, 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, Bulgaria*

12.15 – 12.45

Discussion

12.45-14.00 Lunch time

Chairpersons:

Prof. Mashenka Dimitrova, MSc, PhD

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

Assoc. Prof. Radostina Alexandrova, MSc, 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

13.45 – 14.00

**BO1. BIOMEDICAL IMPLEMENTATION ON DNA METHYLATION IN
DURATION THE DEVELOPMENT OF TUMOR CELLS**

Victoriya Tsvetkova ¹, Desislava Abadjieva ²,

¹Students of 9th French Language School, Sofia, Bulgaria

² Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences,
Sofia, Bulgaria

14.00 – 14.30

**BO2. ДИЕТИЧНИ ЛИОФИЛИЗИРАНИ ХРАНИ НА ОСНОВАТА НА
БИВОЛСКО МЕСО**

И. Начева, Д. Митева, Кр. Димов, В. Цветкова, Ал. Вълчков

Институт по криобиология и хранителни технологии, София, България

14.30-15.00

**BO3. ЖИЗНЕСПОСОБНОСТ И ПРЕЖИВЯЕМОСТ НА МЛЕЧНОКИСЕЛАТА
МИКРОФЛОРА В НОВИ СИНБИОТИЧНИ ХРАНИ ОТ ОВЧЕ И КРАВЕ МЛЯКО**

Илиана Начева, Александър Вълчков, Камелия Логиновска

Институт по криобиология и хранителни технологии, София, България

15.00 – 15.30 Coffee Break

15.30 – 15.45

BO4. Глаукома

Надежда Стоянова, Стефани Димитрова

Медицински Университет София, Медицински факултет

15.45 – 16.00

BO5. Живот с Детска церебрална парализа

Стефани Димитрова, Надежда Стоянова

Медицински Университет София, Медицински факултет

16.00 – 16.15

BO6. Хранителна алергия или как животът става по-труден

Стефани Димитрова, Надежда Стоянова

Медицински Университет София, Медицински факултет

16.15 -16.30

**BO7. DRIED BLOOD SPOTS AS AN ALTERNATIVE MATERIAL WITH
BIOMEDICAL APPLICATION FOR DIAGNOSIS OF VIRAL INFECTIONS**

Adelina Pavlova, Stefka Krumova, Petya Genova-Kalu, Svetla Angelova, Irina Georgieva,
Elitsa Golkocheva-Markova

National Center of Infectious and Parasitic Diseases, Department of Virology, Sofia, Bulgaria

16.30 – 17.00 Discussion

Tuesday, 28 November 2017

Session C.

Chairpersons:

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

*Clinic of Toxicology, Department for Adult, Emergency University Hospital
“N.I.Pirogov”*

Assoc. Prof. Radostina Alexandrova, MSc, PhD

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

Secretary: Boyka Andonova-Lilova, MSc

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

12.30 – 14.30

Презентации на студентите от Тракийския университет в Стара Загора

**CO1. BIOLOGICAL ACTIVITY OF COPPER AND ITS EFFECTS ON
ALZHEIMER’S DISEASE**

Yuksel Mekov, Ivan Kostov, Georgi Zahariev, Neri Hadzhieva
*Trakia University – Stara Zagora
Plovdiv University – Paisii Hilendarski*

**CO2. БИОЛОГИЧНА АКТИВНОСТ НА ЖЕЛЯЗОТО. ЖЕЛЯЗОДЕФИЦИТНА
АНЕМИЯ**

Доника Йорданова, Мая Недялкова, Нурхан Юсеин
Тракийски университет – Стара Загора

9.30-10.00

CO3. БИОЛОГИЧНА АКТИВНОСТ НА ВИТАМИН Б12

Мая Недялкова, Доника Йорданова, Нурхан Юсеин
Тракийски университет – Стара Загора

**CO4. VITAMIN B12: STRUCTURE, BIOLOGICAL ACTIVITY, SOURCES AND
MEDICAL USE**

Stefan Stanev, Selen Hamdi, Pamela Boikova, Sevgin Efeliov
Trakia University-Stara Zagora

**CO5. ENVIRONMENTAL IMPACT OF HEAVY METALS AND WAYS TO
MINIMISE THE ADVERSE EFFECTS OF THESE POLLUTANTS**

Selen Hamdi, Pamela Boikova, Stefan Stanev, Sevgin Efeliov
Trakia University - Stara Zagora

CO6. CHLORELLA

Rejep Birkov, Victoria Kaludova, Natali Kasheva
Trakia university- Stara Zagora

CO7. GINGKO BILOBA

Natali Kasheva, Victoria Kaludova, Rejep Birkov
Trakia university- Stara Zagora
e-mail: nathalie1@abv.bg

CO8. BENEFITS OF GREEN COFFEE BEANS EXTRACT IN HEALTH AND OBESITY

Pamela Boikova, Selen Hamdi, Stefan Stanev, Sevgin Efeliov
Trakia university- Stara Zagora, Bulgaria

CO9. HEALTH EFFECTS OF LYCOPENE

Nefize Ilyaz¹, Ralitsa Rumenova², Georgi Madzharov²

¹4th year student of dental medicine, Medical University Prof. Dr. ParaskevStoyanov – Varna,
55 Marin Drinov str., 55, 9002 Varna, Bulgaria

²4th year student of medicine, Trakia University – Stara Zagora , *11 Armeyska str., 6000 Stara Zagora, Bulgaria*

CO10. ASPARTAME`S INFLUENCE IN THE HUMAN BODY

Ralitsa Rumenova, Georgi Madzharov, Nefize Ilyaz

4th year student of dental medicine, Medical University Prof. Dr. ParaskevStoyanov – Varna,
55 Marin Drinov str., 55, 9002 Varna, Bulgaria

4th year student of medicine, Trakia University – Stara Zagora , *6000 Stara Zagora, Bulgaria*

CO11. N-ACETYL TRYPTOPHAN GLUCOPYRANOSIDE (NATG) PROVIDES REDOX MODULATORY EFFECTS OF NO LEVELS AT ANTIBIOTIC-INDUCED PULMONARY FIBROSIS

Yanka Karamalakova¹, Galina Nikolova¹, Ana Piperova^{1*}, Poonam Malhotra², Raj Kumar²,
Veselina Gadjeva¹, Ana Tolekova³

¹*Department of Chemistry and Biochemistry Trakia University, Stara Zagora, Bulgaria;*

²*Radiation Biotechnology Group, Division of Radioprotective Drug Development & Research, Institute of Nuclear Medicine and Allied Sciences, Delhi-110054, India*

³*Department Physiology, Pathophysiology and Pharmacology, Medical Faculty, Trakia University, Stara Zagora, Bulgaria*

CO12. PULSE WAVE VELOCITY: CAROTID-FEMORAL WAVE VELOCITY. THE GOLD STANDART.

Елена Йофче, Елена Илиевска.

Медицински Факултет. Тракийски Университет-Стара Загора.

14.30 – 15.00 Coffee Break

15.00 – 15.30

CO13. ACUTE POISONING WITH CALCIUM ANTAGONIST – VERAPAMIL – A CASE REPORT

Stoyanova R., J. Radenkova - Saeva

Clinic of Toxicology, University Hospital for Emergency Medicine „ N.I.Pirogov”,
21 Totleben Blvd., 1606 Sofia, Bulgaria,

15.00 – 17.00

Презентации на студентите от Тракийския университет в Стара Загора

CO14. FRUCTOSE AND POTENCIAL MECHANISMS FOR INSULIN RESISTANCE

Елена Йофче и Елена Илиевска

ТРАКИЙСКИ УНИВЕРСИТЕТ, СТАРА ЗАГОРА

CO15. INOSITOL AND ITS EFFECTS ON INSULIN RESISTANCE AND POLYCYSTIC OVARY SYNDROME

Viktoriya Trendafilova, Angel Todev, Aleksander Petrov

Trakia University – Medical faculty Stara Zagora

CO16. THE APPLICATION OF NANOTECHNOLOGY IN MEDICINE

Sevgin Efeliov, Pamela Boikova, Selen Hamdi, Stefan Stanev

Trakia university- Stara Zagora

CO17. NANOTECHNOLOGY IN THE FIELD OF ONCOLOGY

Victoria Kaludova, Natali Kasheva, Rejep Birkov

Trakia Univercity- Stara zagora

CO18. NANOTECHNOLOGY AND ITS APPLICATION IN MEDICINE AND OPHTHALMOLOGY

Deyan Marinov, Angel Todev, Aleksander Petrov, Victoria Trendafilova

Trakia University , Faculty of Medicine

CO19. NANOTECHNOLOGIES AND NEW MATERIALS WITH BIOMEDICAL USE - A BIORESORBABLE EVEROLIMUS-ELUTING SCAFFOLD

Ivan Kostov, Uksel Mekov, Georgi Zahariev, Neri Hadzieva

Trakia university-Stara Zagora

CO20. ACCELERATED WOUND HEALING USING NANOPARTICLES

Aleksander Petrov ,Angel Todev, Viktoriya Trendafilova, Deyan Marinov

Trakia University- Stara Zagora

CO21. PROCESSING OF VISUAL INFORMATION

Arsalan Ahmar Bangash, Shivam Bhatela, Abdurahman Moalin

Trakia University- Stara Zagora

CO22. L-CARNITINE - OR HOW TO USE THE POWER IN OURSELFS

Georgi Madzharov, Nefize Ilyaz, Ralitsa Rumenova

4th year student of dental medicine, Medical University Prof. Dr. ParaskevStoyanov – Varna,

55 Marin Drinov str., 55, 9002 Varna, Bulgaria

4th year student of medicine, Trakia University – Stara Zagora , 6000 Stara Zagora, Bulgaria

CO23. THE ROLE OF LEPTIN AND GHRELIN IN THE REGULATION OF FOOD INTAKE

Leptin resistance.

Айлин Сали

Медицински факултет, Тракийски университет- Стара Загора

CO24. КОСТТА КАТО ЕНДОКРИНЕН ОРГАН. БИОЛОГИЧНА РОЛЯ НА ОСТЕОКАЛЦИНА

N. Hristov¹, D. Marinova², M. Ivanova¹

¹Faculty of Medicine, Trakia University, 18 Armeyska str., 6003 Stara Zagora, Bulgaria

Wednesday, 29 November 2017

Session D.

Chairpersons:

Assoc. Prof. Radostina Alexandrova, MSc, PhD

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

Abdulkadir Abudalleh, MSc, PhD

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

Secretary: Desislav Dinev, MSc

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

10.00 – 10.30

DO1. BIOLOGICAL ACTIVITY OF *Lactobacillus* STRAINS

Ivo Ganchev

*Department of General Microbiology, The Stephan Angeloff Institute of Microbiology,
Bulgarian Academy of Sciences*

10.30 – 11.00

**DO2. BIOCHEMICAL STUDIES IN RATS WITH POLYMERIC HYDROGEL
IMPLANTS**

Nanev V.¹, I. Vladov¹, P. Dimitrov¹, K. Todorova¹, N. Tsocheva-Gaytandzhieva¹, K. Ruseva,
D. Nikolova, M. Simeonov, E. Vassileva², M. Gabrashanska¹

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

²Sofia University “St. K. Ohridski”, Faculty of Chemistry and Pharmacy, Sofia, Bulgaria

11.00 – 11.20 Coffee Break

11.20 – 11.35

**DO3. COMPARISON OF THE ANTIOXIDANT POTENTIAL OF MEDICINAL
PLANTS FROM THE RHODOPE MOUNTAINS WITH COMMERCIALY
PURCHASED PLANTS**

Nelly Georgieva, Zhenya Yordanova, Ganka Chaneva, Miroslava Zhiponova
Department of Plant Physiology, Faculty of Biology, Sofia University “St. Kliment Ohridski”

11.35 – 11.50

**DO4. CHEMICAL COMPOSITION AND INHIBITORY EFFECTS OF TANACETUM
VULGARE L. ON PROLINE-SPECIFIC ENZYME ACTIVITY IN BREAST CANCER
CELLS**

A.Vasileva¹, M. Dimitrova², V. Lozanov¹, V. Mitev¹, I. Ivanov¹

¹Department of Medical Chemistry and Biochemistry, Medical University of Sofia,
Sofia, Bulgaria

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

11.50 – 12.05

DO5.

Desislav Dinev

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

12.05 – 12.35

DO6.

Milena Glavcheva

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

12.35 – 12.50

**DO7. ENVIRONMENTAL POLLUTION WITH SOME HEAVY METALS AND
INNOVATIVE METODS TO TEST THEIR PRESENCE IN THE HUMEN BODY**

Julia Karaivanova

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

12.50 – 13.05 Discussion

13.05-13.20 Closing Remarks

