

9:00 – 9:40

Регистрация

9:40 – 10:00

Откриване

Сесия 1 „Фотосинтеза“ • Председател: проф. Антоанета Попова

10:00 – 10:20

Milena Gerganova, Livia Spisher, Felix Kessler, Maya Velitchkova

Photosynthetic Performance, Lipid Composition and Production of Antioxidants in *Solanum lycopersicum* as Affected by High Light at Low Temperature

10:20 – 10:40

Ekaterina Yotsova, Anelia Dobrikova, Martin Stefanov, Emilia Apostolova

Regulatory Effect of Salicylic Acid on the Photosynthetic Activity of Rice Plants under Physiological Conditions

10:40 – 11:00

Vesela Yordanova, Albena Ivanova, Albena Momchilova, Svetlana Momchilova, Liliana Maslenkova

Thermoluminescence Study of Photosystem II Activity and Fatty Acid Composition of Chloroplast Membranes from Leaves of *Petasites hybridus* Plants

11:00 – 11:20

Konstantin Dobrev, Daniela Stanoeva, Maya Velichkova, Antoaneta Popova

Photoinhibition of Photosystems in Thylakoid Membranes of *Arabidopsis thaliana*, Wild Type and Mutant *lut2* at Low Temperature

11:20 – 11:40

Aygyun Faik, Gabriela Petrova, Milena Gerganova, Maya Velitchkova

Dependence of Photoinhibition Extent on Acclimation of Tomato Plants to Different Light and Temperature Conditions

11:40 – 12:00

Martin Stefanov, Ekaterina Yotsova, Yuliana Markovska, Emilia Apostolova

Light-induced Changes in Fluorescence Characteristics of *Paulownia* Grown in Soils with Different Salinity

12:00 – 12:20

Nia Petrova, Petya Koleva, Violeta Velikova, Tsonko Tsonev, Tonya Andreeva, Stefka Taneva, Sashka Krumova, Kalina Danova

Relations between Photosynthetic Performance and Polyphenolics Productivity of *Artemisia alba* Turra *in vitro* Tissue Cultures

12:20 – 12:40

Представяне на Елта-90

12:40 – 13:20

Обяд

Сесия 2 „Клетъчни и молекулярни механизми в патология“ • Председател: проф. Румяна Цонева

13:20 – 13:40

Irina Georgieva, Martin Berger, Albena Momchilova, Rumiana Tzoneva

Anti-angiogenic Properties of a New Anti-tumor Agent Erufosine

13:40 – 14:00

Alexandra Kasabova-Angelova, Magdalena Kondeva-Burdina, Javor Mitkov, Maya Georgieva, Virginia Tzankova, Alexander Zlatkov

Effects of Newly Synthesized Derivatives of Caffeine-8-thioglycolic Acid on Isolated Rat Synaptosomes and Human Neuroblastoma Cell Line SH-SY5Y

14:00 – 14:20

Maria Schröder, Jordana Todorova, Iva Ugrinova

Implication of Interaction between Tumor-suppressor Protein p53 and HMGB1 in Oncogenesis Process

14:20 – 14:40

Maria Petrova, Ivan Iliev, Iva Ugrinova

The Motility of Non-small Cell Lung Cancer Cells Is Stimulated by HMGB1

14:40 – 15:00

Georgi Varbanov, Radostin Mihaylov, Denitsa Simeonova

Radiotherapy of Malignant Neoplasms Using Brachytherapy

15:00 – 15:20

Avgustina Danailova, Sashka Krumova, Svetla Todinova, Lidia Garcheva, Stefka Taneva

Calorimetric Markers for Monitoring Non-transplanted and Subjected to Autologous Stem-Cells Transplantation Patients with Multiple Myeloma

15:20 – 15:40

Teodora Taseva, Nelly Olova

Determination of the Indirect Effect of Ethanol on the Reduction of Embryonic and Placental Weight Through a Model of Mediation

15:40 – 16:00

Кафе пауза

Сесия 3 „Биоинформатика и математическо моделиране“ • Председател: чл.-кор. Красимир Атанасов

16:00 – 16:20

Vassia Atanassova, Olympia Roeva

Introduction to Wikipedia for Researchers in Biomedicine and Quality of Life: Findings from an Ongoing Project

16:20 – 16:40

Peter Vassilev, Todor Stoyanov

A Note on Possible Use of Majorization in Problems from Bioinformatics

16:40 – 17:00

Bistra Zaharieva, Lyubka Doukovska, Simeon Ribagin, Irina Radeva

InterCriteria Decision Making Approach to Behrerev's Disease Analysis

17:00 – 17:20

Nikolay Ikononov, Peter Vassilev, Olympia Roeva

ICrAData – Software for InterCriteria Analysis

17:20 – 17:40

Simeon Ribagin, Bistra Zaharieva, Tania Pencheva

Generalized Net Model of Proximal Humeral Fractures Diagnosing

17:40 – 18:00

Veselina Bureva, Stanislav Popov, Velichka Traneva, Stoyan Tranev

Generalized Net of Cluster Analysis Using CLIQUE: Clustering In QUest

Научната сесия „Биомедицина и качество на живот – младите в науката“ 2017 се осъществява с любезното съдействие на:



Сесия 4 „Природни продукти“ • Председател: доц. Иванка Цаковска

- 10:00 – 10:20 **Antonia Diukendjieva, Merilin Al Sharif, Petko Alov, Tania Pencheva, Ivanka Tsakovska, Ilza Pajeva**
Natural Flavonoids from *Silybum marianum* L. (Milk Thistle): *in vitro* and *in silico* Studies of Pharmacokinetic Properties and Toxicity
- 10:20 – 10:40 **Ralitsa Veleva, Tanya Topouzova-Hristova, Aneliya Kostadinova, Veselina Moskova-Doumanova, Albena Momchilova, Galya Staneva**
Flavonoid Glycosides Extracted from *Inula* Are Raft Making Molecules
- 10:40 – 11:00 **Merilin Al Sharif, Antonia Diukendjieva, Petko Alov, Ivanka Tsakovska, Ilza Pajeva**
Optimized Structure-based Methodology for Studying PPAR γ Partial Agonists
- 11:00 – 11:20 **Radostina Velikova, Lyudmila Velkova, Aleksandar Dolashki, Pavlina Dolashka**
Structure and Stability of Hemocyanin and Peptides from Garden Snail *Cornu aspersum*
- 11:20 – 11:40 **Yulian Voynikov, Radoslav Abrashev, Nedelina Kostadinova, Ekaterina Krumova, Aleksandar Dolashki, Lyudmila Velkova, Pavlina Dolashka**
Antioxidant Screening of Peptides Isolated from the Hemolymph of Garden Snail *Cornu aspersum*
- 11:40 – 12:00 **Alexandra Nissimova, Aleksandar Dolashki, Lyudmila Velkova, Pavlina Dolashka**
Antibacterial Activity of Peptides from Snail *Cornu aspersum*
- 12:00 – 12:20 **Lyudmila Dimitrova, Maya M. Zaharieva, Nedelina Kostadinova, Milena Popova, Iva Tsvetkova, Spiro M. Konstantinov, Vassya Bankova, Hristo Najdenski**
Investigation of Extracts Derived from the Plant *Geum urbanum* L. as Drug Candidates with Antimicrobial and Cytotoxic Activity
- 12:20 – 13:20

Обяд

Сесия 5 „Биоматериали и моделни системи“ • Председател: проф. Стефка Танева

- 13:20 – 13:40 **Svetozar Stoichev, Tonya Andreeva, Stefka G. Taneva, Rumen Krastev**
Polyelectrolyte Multilayer Coatings for Surface Biofunctionalization
- 13:40 – 14:00 **Tihomira Stoyanova, Albena Momchilova, Rumiana Tzoneva**
Electrical Stimuli Responsive Biomaterials in Tissue Engineering and Anti-tumor Therapy
- 14:00 – 14:20 **Severina Semkova, Biliana Nikolova, Shuhei Murayama, Elena Stoyanova, Iana Tsoneva, Zhivko Zhelev, Ichio Aoki, Rumiana Bakalova**
In vitro and *in vivo* Visualization of Internalization and Localization of Theranostic Nanoparticles in Tumors after Electroporation
- 14:20 – 14:40 **Veselina Uzunova, Petar Petrov, Martin Berger, Albena Momchilova, Rumiana Tzoneva**
Polycaprolactone/poly (Ethylene Oxide) Cryogels as Novel Drug Carriers in Anti-tumor Therapy
- 14:40 – 15:00 **Rusina Hazarosova, Albena Momchilova, Galya Staneva**
Influence of Resveratrol on Domain Organization and Membrane Fluidity
- 15:00 – 15:20 **Pavlin Tsonev, Maya Tanovska, Ulia Vinogradova, Lilia Vladimirova-Mihaleva, Evgenii Krasavin, Mihail Ostrovskii**
A Study of Functional Activity of the Retina after Irradiation with Visible Light and Ionizing Radiation from ^{60}Co
- 15:20 – 15:40 **Stefka Krumova, Svetla Angelova, Adelina Pavlova, Silviya Voleva, Elitsa Golkocheva-Markova, Petia Genova-Kalou, Adelina Pavlova, Irina Georgieva**
Dried Blood Spots as Alternative, Archival Material for Detection of Viral Agents (Measles, Mumps, Rubella)

15:40 – 16:00

Кафе пауза

Сесия 6 „Неврофизиология, двигателна и спортна физиология“ • Председател: чл.-кор. Андон Косев

- 16:00 – 16:20 **Kapka Mancheva, Diana I. Stephanova, Werner Wolf, Andon Kossev**
The Effect of Co-activation of Antagonist Muscles on Motor Cortex Excitability: a Transcranial Magnetic Stimulation Study
- 16:20 – 16:40 **Katerina Kirilova, Plamen Gatev**
A Complex Semi-automated Method for Kinetic and Two-dimensional Kinematic Motion Analysis
- 16:40 – 17:00 **Milena Staneva, Valentina Grigorova**
Influence of Unconscious Semantic Priming for a Wide Focus on a Decision-visuomotor Task in Young and Older Non-professional Drivers
- 17:00 – 17:20 **Plamenka Nanova, Vasil Kolev, Juliana Yordanova**
Effect of Proactive Mode of Processing on Event-related Oscillatory Brain Responses in Children
- 17:20 – 17:40 **Nikolay Zaekov, Lubomir Petrov, Krassimir Rankov, Milena Nikolova, Rasho Makaveev, Nikola Nikolov**
Determining Energy Expenditure from Heart Rate Monitoring during Training Sessions at Bulgarian Wrestlers
- 17:40 – 18:00 **Krassimir Rankov, Nikolay Zaekov, Milena Nikolova**
Manually Defined Continuous Positive Airway Pressure versus Predicted with Mathematical Equations for Obstructive Sleep Apnea

18:00

Закриване

Научната сесия „Биомедицина и качество на живот – младите в науката“ 2017 се осъществява с любезното съдействие на:

