



**ՀՀ ԳԱԱ Հ. ԲՈՒՆԻԱԹՅԱՆԻ ԱՆՎ.
ԿԵՆՍԱՔԻՄԻԱՅԻ ԻՆՍՏԻՏՈՒՏ
ԿԵՆՍԱՔԻՄԻԿՈՍՆԵՐԻ ՀԱՅԿԱԿԱՆ
ԱՍՈՑԻԱՑԻԱ**

**ԿԱՆԱՆՑ ՆՎԱՃՈՒՄՆԵՐԸ
ԿԵՆՍԱՔԱՆԱԿԱՆ
ԳԻՏՈՒԹՅՈՒՆՆԵՐԻ ՈԼՈՐՏՈՒՄ**

II ՄԻՋԱԶԳԱՅԻՆ ԳԻՏԱԺՈՂՈՎ

**Հոկտեմբերի 10-12, 2017
Երևան, Հայաստան**

ՕՐԱԿԱՐԳ

**H. BUNIAN INSTITUTE OF
BIOCHEMISTRY NAS RA**

ARMENIAN ASSOCIATION OF BIOCHEMISTS

**WOMEN ACHIEVEMENTS IN
BIOLOGICAL SCIENCES**

II INTERNATIONAL CONFERENCE

**10-12 October, 2017
Yerevan, Armenia**

PROGRAM



Venue

10th October – *H. Buniatian Institute of Biochemistry NAS RA,
5/1, P. Sevag str.*

11-12th October – *Youth Foundation of Armenia,
50/5, Abovyan str.*

Conference Organizing Committee

Chailyan S.G., Dr., Director
H. Buniatian Institute of Biochemistry NAS RA

Kevorkian G.A., Dr., Prof.
H. Buniatian Institute of Biochemistry NAS RA
President of the Armenian Association of Biochemists

Hayrapetyan H.L., PhD., Associate prof., Scientific secretary
H. Buniatian Institute of Biochemistry NAS RA

Babayan M.A., PhD
H. Buniatian Institute of Biochemistry NAS RA
Secretary of the Armenian Association of Biochemists

Knaryan V.H., PhD
H. Buniatian Institute of Biochemistry NAS RA
Coordinator of the Armenian Association of Biochemists

Sarukhanyan F.P., PhD
H. Buniatian Institute of Biochemistry NAS RA

OCTOBER 10, 2017 (TUESDAY)

9:30

Registration

10:00 – 10:30

Opening (*prof. Guevork Kevorkian, President of AAB*)

SESSION 1. Medical Biochemistry (*Chair - Hripsime Hayrapetyan*)

10:30 – 10:45

Gyurjyan Kristine

H. Buniatian Institute of Biochemistry NAS RA

Purification of fucose specific lectin from Tulip bulbs and investigation of its possible application in cancer diagnostics

10:45 – 11:00

Sargsyan Elmira

H. Buniatian Institute of Biochemistry NAS RA

Micromycetes as agents of fungal diseases

11:00 – 11:15

Taroyan Sirarpi

H. Buniatian Institute of Biochemistry NAS RA

The effect of GABA and montmorillonite alone and together on diabetogenic effect of alloxane

11:15 – 11:30

Hayrapetyan Narine

Yerevan State University, Faculty of Biology

The influence of immobilization stress on the biochemical characteristics of carbohydrate metabolism in the serum of rabbits

11:30 – 11:45

Ginosian Siranush

Russian-Armenian University

Insights on glucocorticoid receptor modulation through the binding of artemisinin

11:45 – 12:00

Marutyan Seda

Yerevan State University, Faculty of Biology

Deamination changes of purine and pyrimidine nucleotides and nucleosides in *C.guilliermondii* HП-4 yeast cells

12:00 – 12:15

Zakharyan Ani

Yerevan State University, Faculty of Biology

The activity of enzymes of proline synthesis and their ultracellular localization in different organs of trout *Parasalmo Mikiss*

12:15 – 12:30	Zakaryan Hermine <i>H. Buniatian Institute of Biochemistry NAS RA</i> The changes of SOD activity in pathophysiology of cancer depending on the stage of disease
12:30 – 12:45	Margaryan Anahit <i>H. Buniatian Institute of Biochemistry NAS RA</i> Regulatory effect on Mg ²⁺ -ATPase activity from mitochondria of rats various organs with corazole-induced epileptiform convulsions
12:45 – 13:15	Coffee break
<u>SESSION 2. Biochemistry & Biotechnology of Microorganisms</u> (Chair – Flora Sarukhanyan)	
13:15 – 13:30	Bazukyan Inga <i>Yerevan State University, Faculty of Biology</i> Identification and comparative characterization of new lactic acid bacteria isolated from Armenian dairy products by phenotypic and molecular methods
13:30 – 13:45	Grigoryan Karine <i>Yerevan State University, Faculty of Biology</i> Influence of species of the genus <i>Pseudomonas ssp</i> on the microbiological quality and safety of recycled aquaculture of trout in production conditions
13:45 – 14:00	Tsakanyan Anaida <i>Research institute of epidemiology, virology and medical parasitology named after A.B. Alexanian MH RA</i> Antibiotic sensitivity of microorganisms isolated from dairy products
14:00 – 14:15	Hakobyan Angelika <i>H. Buniatian Institute of Biochemistry NAS RA</i> Translocation of microbes in oncological processes
<u>SESSION 3. Plant Biochemistry & Biotechnology</u> (Chair - Hripsime Hayrapetyan)	
14:15 – 14:30	Semerjyan Gayane <i>Yerevan State University, Faculty of Biology</i> Use of enzymes of purine bases metabolism for monitoring environmental pollution

14:30 – 14:45	Hovsepyan Varduhi <i>Vanadzor State University</i> Mycobiota of red pepper culture at different stages of vegetation and processing
14:45 – 15:00	Karapetyan Hasmik <i>Yerevan State University, Faculty of Biology</i> Antioxidant properties of <i>Stevia rebaudiana Bertoni</i> in conditions of immobilized stress
15:00 – 15:15	Semerjyan Inesa <i>Yerevan State University, Faculty of Biology</i> Obtaining of <i>Crupina vulgaris cass.</i> isolated cultures
15:15 – 15:30	Melkumyan Inna <i>Sceintific and Production Center “Armbiotechnology” SNPO NAS RA</i> Biotechnology of citric acid production from topinambur
<u>SESSION 4. Biophysics & Miscellaneous</u> (Chair –Madlen Babayan)	
15:30 – 15:45	Tonoyan Lilit <i>Yerevan State University, Department of Molecular Physics</i> The influence of surface active materials carbon chain length on the stability of bilayer lipid membranes
15:45 – 16:00	Amirjanyan Aneta <i>Yerevan State University, Faculty of Biology</i> Eugenics
16:00 –16:15	Tumasyan Emma Quantim transfer as a mechanism of biological process in vivo
Closing remarks	

OCTOBER 11, 2017 (WEDNESDAY)

9:30	Registration
10:00 – 10:30	Opening (<i>prof. Guevork Kevorkian, President of AAB, Varduhi Knaryan, Coordinator of AAB</i>)
<u>Invited Speakes</u>	
10:30 – 11:00	Vida Mildažiene <i>Vytautas Magnus University, Faculty of Natural Sciences, Department of Biochemistry, Member of FEBS WGI</i> The role of mitochondrial glutamate dehydrogenase in the response of normal and tumor cells to hyperthermic treatment
11:00 – 11:30	Jerka Dumić <i>University of Zagreb, Faculty of Pharmacy and Biochemistry, Chair of FEBS WGI</i> <ul style="list-style-type: none">• FEBS opportunities for AAB members• Galectin-3 – from molecule to biomarker and drug target
11:30 – 12:00	<i>Coffee break</i>
<u>SESSION 1. Medical Biochemistry</u> (<i>Chair – Varduhi Knaryan</i>)	
12:00 – 12:15	Alchujyan Nina <i>H. Buniatian Institute of Biochemistry NAS RA</i> Modulatory effect of the selected probiotics cocktail on the intracellular metabolic changes in the dynamics of dexamphetamine-induced bipolar disorder
12:15 – 12:30	Sargisova Elizaveta <i>H. Buniatian Institute of Biochemistry NAS RA</i> ADA2 isoenzyme of adenosine deaminase
12:30 – 12:45	Danielyan Kristine <i>H. Buniatian Institute of Biochemistry NAS RA</i> Poststroke regenerative therapy
12:45 – 13:00	Sarukhanyan Flora <i>H. Buniatian Institute of Biochemistry NAS RA</i> The role of hemorphins in pathophysiology of diabetes as homeostatic factors

13:00 – 13:15	Martirosyan Anush <i>Institute of Molecular Biology NAS RA</i> 17 β -estradiol attenuates the LPS-induced inflammatory response in whole blood cells culture
13:15 – 13:30	Harutyunyan Hasmik <i>Yerevan State Medical University, Department of Biochemistry</i> The possible role of serotonin and adenosine at different origin noxious stimuli information realization
13:30 – 14:00	Coffee break
<u>SESSION 2. Molecular Basis of Disease</u> (Chair – Flora Sarukhanyan)	
14:00 – 14:15	Antonyan Alvard <i>H. Buniatian Institute of Biochemistry NAS RA</i> Isoforms of adenosine deaminase 1 in synovial fluids at different arthritis
14:15 – 14:30	Javrushyan Hayarpi <i>Yerevan State University, Faculty of Biology</i> The change of polyamines and nitric oxide quantities in human blood serum of prostate and bladder cancer
14:30 – 14:45	Manukyan Ashkhen <i>Yerevan State Medical University, Department of Medical Chemistry</i> Chronic acoustic stress and α_2 - adrenoblockers effect on open field activity of the rat
14:45 – 15:00	Zakharyan Roksanna <i>Institute of Molecular Biology NAS RA</i> The role of genetics in psychiatric disorders
15:00 – 15:15	Margaryan Sona <i>Institute of Molecular Biology NAS RA</i> Influence of sFasL on oxidative stress in innate immune cells from patients with Type 2 Diabetes Mellitus
15:15 – 15:30	Manukyan Gayane <i>Institute of Molecular Biology NAS RA</i> Neutrophils and their role in chronic diseases
<u>SESSION 3. Biochemistry & Biotechnology of Microorganisms</u> (Chair – Inga Bazukyan)	

15:30– 15:45	Danielyan Lusine <i>Scientific and Production Center “Armbiotechnology” SNPO NAS RA</i> Human breast milk microbiota
15:45 – 16:00	Poladyan Anna Yerevan State University, Faculty of Biology Converting organic wastes to biofuel
16:00 – 16:15	Manvelyan Anahit <i>Armenian National Agrarian University</i> Radioprotective effects of <i>Lactobacillus E5-1</i> isolated from the human gut microbiota
<u>OCTOBER 12, 2017 (THURSDAY)</u>	
9:30 – 10:00	Registration
<u>Invited Lectures</u> (Chair – Varduhi Knaryan)	
10:00 – 10:30	Jerka Dumić <i>University of Zagreb, Faculty of Pharmacy and Biochemistry</i> <i>Chair of FEBS WGI</i> Personalized medicine - the Odyssey from hope to clinics
10:30 – 11:00	Vida Mildažiene <i>Vytautas Magnus University, Faculty of Natural Sciences,</i> <i>Department of Biochemistry, Member of FEBS WGI</i> Response of perennial plants to stress induced by seed treatment with cold plasma and electromagnetic field
11:00 – 11:30	<i>Coffee break</i>
<u>SPECIAL SESSION. Armenian Territory Studies</u> (Chair – Anna Poladyan)	
11:30 – 11:45	Sahakyan Naira <i>Yerevan State University, Faculty of Biology</i> The radical scavenging activity of some species of <i>Artemisia</i> genus represented in Armenian flora
11:45 – 12:00	Sargsyan Tatevik <i>Center for Ecological-Noosphere Studies NAS RA</i> Investigation of photosynthetic pigments of herb plants in mount Aragats

12:00 – 12:15	Khachatryan Lilit <i>Center for Ecological-Noosphere Studies NAS RA</i> Study of physiological-biochemical parameters of tree leaves in the green zones of the Yerevan city
12:15 – 12:30	Asmaryan Shushanik <i>Center for Ecological-Noosphere Studies NAS RA</i> Capacity Building in the area of environmental research: Armenia's integration into the European research area (ERA)
12:30 – 12:45	Vardanyan Narine <i>Scientific and Production Center "Armbiotechnology" SNPO NAS RA</i> Alternative eco-technologies, perspectives of development in Armenia
12:45 – 13:00	Hakobyan Lusine <i>Yerevan State University</i> The content of sulfur dioxide in dried vine fruit realized in Armenia
13:00 – 13:15	Antonosyan Maria <i>Institute of Molecular Biology NAS RA</i> Archaeozoological and Radiocarbon Data from the Qarin Tak Cave, Artsakh
13:15 – 13:30	Margaryan Armine <i>Yerevan State University, Faculty of Biology</i> Microbial community structure of Armenian mining territories
13:45– 14:15	<i>Discussions and closing of the conference</i>

Participant Organizations

- H. Buniatian Institute of Biochemistry NAS RA
- Armenian Association of Biochemists

- Yerevan State University
- Yerevan State Medical University
- Armenian National Agrarian University
- Institute of Molecular Biology NAS RA
- Scientific and Production Center “Armbiotechnology” SNPO NAS RA
- Center for Ecological-Noosphere Studies NAS RA
- National bureau of expertise’s NAS RA
- Research institute of epidemiology, virology and medical parasitology named after A.B. Alexanian MH RA
- Vanadzor State University
- Russian-Armenian University

- University of Zagreb, Croatia
- Vytautas Magnus University, Lithuania
- Federation of European Biochemical Societies (FEBS), Working Group on Integration (WGI)