UNESCO CHAIR IN LIFE SCIENCES
LIFE SCIENCES INTERNATIONAL POSTGRADUATE EDUCATIONAL CENTER

UNESCO/ISN
9th EMF International workshop

"Bioelectromagnetics and Water Science to Aid Environmental Health Defence"

GARNI, ARMENIA 2016
Day 1, Tuesday

09:00 Transfer to event venue
10:00-10:30 Registration
10:30-11:30 Opening ceremony
10:30-10:40 Welcome Speech of Minister of Education and Science of RA, Levon Mikityan
10:40-10:50 Welcome Speech of Gayane Ayrapetyan
10:50-11:30 Keynote Lecture Prof. Senerik Ayrapetyan Water Molecule as a Universal Messenger for Signal Transduction in Cell
11:30-12:00 Coffee break

Session 1: EMF Effects on the Physicochemical Properties of Water Chairman: Prof. Alberto Foletti, Dr. Naira Baghdasaryan

12:00-12:30 Keynote Lecture Prof. Shogo Ueno (Japan) The Moses Effect and Control of Biological Cell Manipulation and Cell Growth by Magnetic Fields
12:30-13:00 Prof. Alberto Foletti (Italy) Bits of Electromagnetic Information Transfer through Aqueous System
13:00-13:30 Prof. Chitta Ranjan Mahata (India) Quantum Electro-Dynamics Helps Homoeopathy Achieve Its Scientific Basis
13:30-14:30 Lunch
14:30-15:00 Prof. Hamid Mobasher (Iran) The Role of Water in Biophysical Susceptibility of the Biological Macromolecules to EMF
15:00-15:25 Dr. Naira Baghdasaryan (Armenia) Peroxiside Formation in Cell Aqua Medium as a Primary Messenger for the Biological Effects of Environmental Factors
15:25-16:25 Poster Session
16:30-17:00 Coffee Break
17:00-19:00 Excursion to Garni Temple and Geghard Monastery
19:00 Welcome Dinner in 7 Qrs, Garni

Dear Mr./Mrs.,

We cordially invite you to participate to the 9th EMF International Workshop: “BioElectromagnetics and water Science to Aid Environmental Health Defence”, which will take place and is organized by UNESCO Chair of Life Sciences International Postgraduate Educational Center. Within the 9th EMF International workshop International Society for Neurochemistry supports the organization of ISN Symposium on “The neurochemical mechanisms of EMF effect on the nervous system and interaction with other forms of environmental pollution”.

The workshop will be held in 7 Qar Private Villa, Garni, Grigor Zohrapi St., 30 Building
Day 2, Wednesday
09:00 Transfer to event venue

ISN Symposium: The Neurochemical Mechanisms of EMF Effect on the Nervous System and Interaction with Other Forms of Environmental Pollution Chairmen: Prof. Shoogg Ueno, Prof. Solie Tapio

10:00-10:30 Prof. Oleg Krishat (Ukraine)
Sensitivity of Ionotropic Brain Receptors to Environmental Pollution: Examples of Redox Metals and Other Redox Agents

10:30-11:00 Prof. Solie Tapio (Germany)
Long-term Changes in the Brain Induced by Ionizing Radiation

11:00-11:30 Coffee break

11:30-12:00 Prof. Ersan Odaci (Turkey)
The Effect of 900-Megahertz Electromagnetic Field on Hippocampus Morphology, Biochemistry and Learning Behavior in Early and Mid-Adolescent Male Rats

The Effect of 900-Megahertz Electromagnetic Field on Hippocampus Morphology, Biochemistry and Learning Behavior in Early and Mid-Adolescent Male Rats

12:00-12:30 Prof. Shoogg Ueno (Japan)
Magnetic Brain Stimulation for Medical Treatments and Brain Research

12:30-13:00 Discussion

13:00-14:00 Lunch

Session 2: Biophysical Mechanisms of EMF Effect on Cell and Organism Chairmen: Prof. Oleg Krishat, Dr. Arevik Minasyan

14:00-14:30 Prof. Fadel Mohammed Ali (Egypt)
Basic Interaction Mechanisms of ELF-EM Waves with Alive Systems

14:30-14:50 Ani Gasparayan (Armenia)
The Comparative Study of Magneto-sensitivity of Excitable and Non-Excitable Cells

14:50-15:10 Dr. Hamlet Badalyan (Armenia)
The Study of Possible Mechanisms of Electromagnetic Waves’ Impact on Biological Systems

15:10-15:40 Prof. Hamid Mobasher (Iran)
Exposure to EMF Deviates the Function of Membrane Ion Channels, a Biophysical Interference with Signal Transduction

Day 3, Thursday
09:00 Transfer to event venue

Session 3: EMP and Pathology Chairmen: Prof. Fadel Mohammed Ali (Egypt), Dr. Armenuhi Heqimyan (Armenia)

09:40-10:10 Keynote Lecture
Prof. Fadel Mohammed Ali (Egypt)
EMF and Cancer: Risk and Benefits

10:10-10:35 Dr. Armenuhi Heqimyan (Armenia)
Age-dependent Effect of ELF/EMF on Rats

10:35-11:00 Dr. Arevik Minasyan (Armenia)
The Effects of Various Environmental Factors on Bacteria Growth in vivo and in vitro Conditions

11:00-11:20 Coffee Break

11:20-11:45 Dr. Vitali Kalantaryan (Armenia)
Non-Ionizing Electromagnetic Radiation as a Potential Method Action on the Tumors

11:45-12:10 Prof. Nina Rubtsova (Russia)
Adaptive-Compensatory Dose-related Radiofrequency Electromagnetic Field Biological effect

12:10-12:35 Dr. Verazik Mikayelyan (Armenia)
Dysfunction of Signaling System Controlling Sodium Gradient on the Membrane as a Primary Mechanism for Carcinogenesis

12:35-13:00 Naira Eloyan (Armenia)
Preclinical and Clinical Studies of ELF EMF Effect on Lactate Concentration in Blood

13:00-14:00 Lunch
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<th>Time</th>
<th>Session 4: EMF Dosimetry from the Point of Public Health Chairmen: Prof. Marko Markov, Prof. Nina Rubtsova</th>
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<tr>
<td>14:00-14:30</td>
<td>Keynote Lecture Prof. David Carpenter (USA) Environmental Exposures and Cancer</td>
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<td>14:30-15:00</td>
<td>Prof. Marko Markov (USA) Dosimetry in Bioelectromagnetics</td>
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<td>15:00-15:30</td>
<td>Prof. Nina Rubtsova (Russia) Dose as Intensity-time Dependence Criterion in Russian Federation</td>
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<td>Electromagnetic Field Hygienic Standardization</td>
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<td>15:30-15:55</td>
<td>Tarmo Koppel (Estonia) Exposure to Radiofrequency Electromagnetic Radiation at Different Floors</td>
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<td>15:55-16:20</td>
<td>Anush Deghoyyan (Armenia) The Correlation Between Brain Tissue Hydration Changes and the Parameters</td>
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<td>of Muscle Conductivity upon the Impacts of SMF and MMW</td>
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<td>16:20-16:50</td>
<td>Coffee Break</td>
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<td>16:50-17:45</td>
<td>Round Table on Creation of UNESCO</td>
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<td>19:00</td>
<td>Goodbye Dinner in 7 Qar, Garni</td>
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**Day 4, Friday**

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<tr>
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