

Sona Galstyan

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EDUCATION

June 10 2016-September 30, 2016

Free University of Berlin, Berlin-Dahlem Botanical Garden and Botanical Museum

Evolutionary Phylogeny, Molecular genetics

September 2014- May 2016

Yerevan State University, Department of Genetics and Cytology
M.Sc. in Biology

Thesis Title: “ Cytotoxic effect of Schiff base derivateives”

September 2010 – May 2014

Yerevan State University, Department of Genetics and Cytology
B.Sc. in Biology

Thesis Title: “Chromosomal aberrations in human leukocytes treated by aflatoxin B1”

PROFESSIONAL EXPERIENCE

October 2020 – present

A. L. Takhtajyan Institute of Botany NAS RA

Researcher at the Lichen Research and Conservation Group

December 2018 – present

L. A. Orbeli Institute of Physiology NAS RA

Junior scientist, Molecular phylogenetic, Molecular genetic
Laboratory of Molecular Phylogeny

September 2018 – present

**HAEMATOLOGY CENTER AFTER PROFESSOR R. YEOLYAN
(MINISTRY OF HEALTH OF THE REPUBLIC OF ARMENIA)**

Senior laborant , Molecular genetic
Laboratory of Molecular Biology and Cytogetic

February 2015– September 2018.

Yerevan, Armenia

Institute of Zoology, National Academy of Science RA

Junior Assistant, Molecular genetic
General Helminthology and Parasitology

April 2013– August 2017
Yerevan, Armenia

“Young Biologist Association” NGO

Project Coordinator
“Firsthand Knowledge” Nobel Prize Laureates Lectures in Yerevan
Coordination of Brain Awareness Week 2014
"Neuroscience in Art" exhibition
Coordination of Brain Awareness Week 2015;
“Neurological diseases around us” public campaign
The “Climate Week” Environmental- Education campaign
“Ecokhndzristan” youth camp

MEMBERSHIP

- “Young Biologist Association” NGO, Yerevan, Armenia, www.yba.am
- Student Scientific Society, Yerevan State University, *Head of the Faculty of Biology*
- Academic Council, Yerevan State University, *Representative of the Faculty of Biology*

PUBLICATIONS

- "Molecular confirmation of ectoparasitic nematode *Xiphinema pachtaicum* from the grape yards of Nagorno Karabakh" Third International Scientific Conference on Biological Diversity and Conservation Problems of the Fauna
- The study of the species diversity of plant nematodes in vineyards of Armenia
Current advances in pathogen research, FEBS
Pg.9
- "Photodynamic activity and structure/activity relationship of new porphyrins in vitro as potential photosensitizers for application in photodynamic therapy of cancer" -Scientific Conference of Young Researchers
pg. 75
- Cytoembryological and morphogenetic characteristics of some new selected armenian grapevine varieties
National academy of Sciences of the Republic of Armenia
Pg. 109-110,
Volume LXV, supplement 2013

AWARDS AND SCHOLARSHIPS

<i>June- September, 2016</i>	<i>Developing Tools for Conserving the Plant Di-versity of the South Caucasus</i> Volkswagen Foundation,
<i>September 2014- May 2016</i>	<i>Academic Scholarship for high performance</i> , Yerevan State University (M.Sc.)
<i>September 2011- May 2014</i>	<i>Academic Scholarship for high performance</i> , Yerevan State University (B.Sc.)
<i>February – August, 2014</i>	<i>Academic Scholarship for high performance and activism</i> , Young Biologist Association NGO
<i>December 2011-May 2012</i>	<i>Academic Scholarship for high performance</i> , Youth Foundation of Armenia

CONFERENCES AND WORKSHOPS

<i>August 28th-15th September, 2017</i>	<i>“Seed Conservation Techniques Trainin Course”</i> Millennium Seed Bank, Wakehurst Place, Royal Botanic Gardens, Kew, United Kingdom
<i>November 1-11, 2016</i>	<i>“Introduction to molecualar phylogenetics ”</i> Training course Volkswagen Foundation, Free University of Berlin, Institute of Botany National Academy of Science RA in Armenia
<i>June 18, 21, 2015</i> <i>Yerevan, Aragatsotn, Armenia</i>	<i>“Science from the first hands. Lichenological research”</i> Young scientist school Young Biology Association NGO, Ecovillage NGO
<i>March 21-26, 2016</i>	<i>“Current advances in pathogen research ”</i> FEBS Advanced Lecture Course
<i>June 16-17, 2015</i> <i>Yerevan, Armenia</i>	<i>“Science from the first hands. Epigenetic”</i> Young scientist school Young Biologists Association NGO, Yerevan State University
<i>June 5-7, 2015</i> <i>Yerevan, Armash, Armenia</i>	<i>“Science from the first hands. Zoology”</i> Young scientist school Young Biologists Association NGO,
<i>September 2014</i> <i>Yerevan, Armenia</i>	<i>Pharmaceutical Competitiveness International Conference</i> , Medicine Producers and Importers Union of Armenia
<i>June 2014</i> <i>Yerevan, Armenia</i>	<i>“Biology of Mobile DNA in Health and Disease”</i> educational conference Young Biologist Association NGO

Decemeber 9-11, 2014
Yerevan, Armenia

"Physics in Life Science" Youth scientist school
Yerevan State University, Department of Molecular Physics

December 12-16, 2013
Yerevan, Armenia

Introduction of Contemporary Technologies for Monitoring and Preservation of Fresh Water in Armenia
Institute of Molecular Biology

July 14-21, 2013
Yerevan, Armenia

"Complex Physical and Biological Systems Modeling Technologies" summer school
Student Scientific Society

MAJOR AREAS OF RESEARCH INTEREST

• Genetics • Molecular phylogenetics • Evolutionary genetics • plant systematics • Biochemistry • Immunology

TECHNICAL SKILLS

- Extraction of genomic DNA with a CTAB protocol
- Gel electrophoresis
- preparation of samples for DNA cycle sequencing
- PCR
- Comet assay
- Chromosome aberrations method
- Serum protein electrophoresis
- FISH

Language skills

Armenian (native)
English (good)
Russian (good)
German (good)

IT skills

Windows and Microsoft Office (full professional knowledge)