

# Health Sector in Armenia

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FP7 EECALink Project Brokerage Event, 23 June 2010, Budapest, Hungary

## GENERAL COUNTRY INFORMATION

Republic of Armenia

Population: 3210.0thd

Area: 29,800 sq km

Capital: Yerevan



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## HEALTH SECTOR

- RA Ministry of Health (12)
- NAS RA (6)
- Universities (2 + 80)
- Private Sector (+10)

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## MINISTRY OF HEALTH

- National Institute of Health
- Scientific Centre of Drug and Medical Technology Expertise
- Angio-neurology Research Center
- Mikaelian Institute of Surgery
- Research Center of Oncology
- Research Center of Radiation Medicine and Burns
- Research Institute of Cardiology
- Research Institute of Environmental Hygiene & Toxicology
- Research Institute of Epidemiology, Virology & Medical Parasitology
- Research Institute of Hematology
- Research Institute of Spa Treatment & Physical Medicine
- Stress Center

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## NATIONAL INSTITUTE OF HEALTH

### Main Fields of Activity

- Development of public health policy. Research activities in the area of public health.
- Postgraduate education (specialization and advanced training courses). Treatment of patients.
- Organization of retraining and advanced courses for health specialists

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## Scientific Centre of Drug and Medical Technology Expertise

### Main Fields of Activity

- Experts estimation and registration of drugs, medical devices and technics; clinical estimation of new drugs, postmarketing estimation,
- side effects monitoring; professional estimation and control of pharmaceutical enterprises' activity; pharmaco-economical studies;
- drugs quality control; development of new express-methods of analysis and studies in the area of phytochemistry and phytomedicine.

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## Research Institute of Epidemiology, Virology & Medical Parasitology

### Main Fields of Activity

Study of epidemiology, diagnostics and prophylaxis of spreaded in Armenia infectious diseases, provoked by pathogenes of bacterial, viral and parasitic nature.

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## NATIONAL ACADEMY OF SCIENCES OF ARMENIA

### Division of Life Sciences

- Institute of Biochemistry
- Center of Microbiology and Microbial Depository
- Institute of Physiology
- Institute of Molecular Biology
- Group of Bioinformatics (recently established)
- Scientific Technological Center of Organic and Pharmaceutical Chemistry
  - Institute of Fine Organic Chemistry
  - Institute of Organic Chemistry
  - Molecular Structure Research Center

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## Center of Microbiology and Microbial Depository

### Main Fields of Activity

- Studying of Armenian microbial biodiversity, including systematics, morphological, physiological, biochemical, cytological and genetic properties of bacteria, filamentous fungi, yeasts, actinomycetes and algae;
- Development of methodologies for long-term maintenance and efficient conservation of different groups of microorganisms; Maintains a vast collection of well-characterized entomopathogenic bacilli isolated from specimens from all over the world
- Isolation of new perspective microbial strains for production of biofuel (biohydrogen, bioethanol, biogas) and biologically active substances;
- Microbial biosynthesis and biotransformation processes studying for production of new biologically active substances and other preparations;
- Metals microbial bioleaching processes studying from remote and sub-standard ores;
- Regional microbiological biosafety;

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## Institute of Physiology

### Main Fields of Activity

- Investigation of mechanisms of somatosensory functions, neuronal and synaptic organization of cerebellum and brain stem motor nuclei, mechanisms of vegetative functions neurohumoral regulations, neuronal plasticity;
- Mathematical modelling of neuronal network on the basis of functional properties; Structural and cytochemical organisation of neural and vascular system; Mechanisms of muscular tissue spontaneous activity; Mechanisms of physics and chemical thermoregulation; Neuropsychophysiological investigation of learning and memory; research on purification and standardisation of physiologically active substances.

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## Institute of Fine Organic Chemistry

### Main Fields of Activity

Development of efficient drugs for the treatment of cardio-vascular, neuro-psyhic and infectious diseases, malignant tumours as well as for use in surgical practice.

Among developed and certificated pharmaceutical products are: **DITILIN** (muscular relaxant), **GANGRELON** (for treatment of gastro-duodenal ulcers and stenocardia), **SUBECHOLINE** (respiratory stimulant), **ARPENAL** (bronchial asthma, gastro-duodenal ulcers and Parkinsonism), **QUATERON** (stenocardia, gastro-duodenal ulcers and hypertension), **MESPHENAL** (hyperhidrosis, gastro-duodenal, bronchial asthma), **FUBROMEGAN** (peptic and duodenal ulcers, bronchial asthma), **NALECIN** (typhoid fever, dysentery, etc.), **ESPENAL** (stenocardia, bronchial asthma, etc.), **PUPHEMID** (epilepsy of various etiology), **TIODINE** (radiculitis, neuritis, polyneuritis).

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## YEREVAN STATE MEDICAL UNIVERSITY

### Main Fields of Activity

#### Departments

1. Medical
2. Pediatrics
3. Sanitary-hygienic
4. Stomatological
5. Pharmaceutical
6. Military medicine

- 57 chairs in the University

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# YEREVAN STATE UNIVERSITY

## Faculty of Biology

### 8 Chairs:

- Botanics
- Zoology
- Human and Animal Physiology
- Ecology and Nature Protection
- Microbiology and Biotechnology of Plants and Microbes
- Genetics and Cytology
- Biochemistry and Biophysics

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# PRIVATE SECTOR

## Center of Medical Genetics and Primary Health Care

### Main fields of activity:

Application of methods of molecular genetics and cytogenetics for diagnostics of genetic disorders. Genetic counseling, using prenatal diagnosis and risk calculations. Genetic investigations of patients with chromosome syndromes, mental retardations. DNA-diagnostics of Familial Mediterranean Fever and other hereditary disorders.

*FP Participation: FP7 HEALTH, FP7 INCO ERAWIDE*

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# FP7 Environment Brokerage Event

## IncoNet EECA Information & Brokerage Event on FP7 Environment (Including climate change)

October 7-8, 2010, in Yerevan, Armenia

### Environment and health

- Health impacts of climate change
- Health effects of environmental stressors other than climate change
- Methods and decision support tools for environmental health risk analysis and policy development

EVENT WEBSITE : <http://be.sci.am>

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Thank you for your attention!

Köszönöm szépen!

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