

Name:

Mirabzadeh .Ardakani-Esmat

Data and place of birth:

August 28, 1961 .Ardakan-Iran

Marital status:

Married

Sex:

Female

Home address:

Apt.no:12, #78, 21 st .Saadatabad Ave.19988-Tehran

Professional address:

Pasteur Institute of Iran, Tehran-Biotechnology Research Center - Molecular Medicine group.post code:13164

Positions:

- ۱۳۸۷- present: Researcher and chef of experimental animal laboratory department .
- ۱۳۸۴- Present: Researcher .
- 1999-2004: Head of Hosts and vectors recombinant Bank .Biotechnology Research Center and researcher .
- 1994-1999: Vice president and lab manager of Animal laboratory science Department .
- 1992-1994: Laboratory Technical assistant.

Education:

November 1991 :Doctor veterinary medicine (D.V.M)

Faculty of Veterinary medicine

University of Tehran – Azadi Ave.

Membership Of Scientific Association:

2011-present : Member of Expert Committee Recommendations. . Institute Pasteur of Iran.

2010- present: Member of Ethics Committee. Institute Pasteur of Iran.

2002-present : Member of Research Council Of Biotechnology Research Center(BRC)

Language:

- Persian :Native
- English :Advance
- French: certificate of French language

Training and workshop attended:

- Certificate
- Certificate of participate and Scientific instructor in the workshop on"An introductory course on Laboratory Animal” .Institute Pasteur of Iran , Molecular Medicine department ,2012.
- Certificate of participate and scientific instructor in the workshop on"Expert Training on Laboratory Animals". Institute Pasteur of Iran , physiology and pharmacology department. 23-25 Oct,2011 .

- Certificate of participate and scientific instructor in the workshop on "An introductory course on Laboratory Animals ."Institute Pasteur of Iran , Molecular Medicine department ,2010.
- Certificate of participated in Genomic of Complex Disorders Symposium. . Pasteur Institute of Iran .20-21 Nov 2011. Tehran - Iran
- Certificate of Medical Ethics . Pasteur Institute of Iran .April , 2011 Tehran - Iran
- Certificate of The Third Iranian proteomics Congress. Pasteur Institute of Iran .May 26-27, 2010 Tehran - Iran
- Certificate of 1st International Congress on Health Genomics and Biotechnology and the 4th Iranian Congress of Genetic Disorders and Disabilities 24-26 Nov.2007.
Certificate of "Advanced Molecular Genetics Course" June 10-12, 2006. Pasteur Institute of Iran .
- Certificate of " Identification of Disease Genes" workshop. May 23,2006. Iranian Molecular Medicine Network- Tehran ,Iran .
- Certificate of European Genetic foundation Course. 18th course in Medical Genetic .May 10th .۲۰۰۵ ,۲۱-Shariati Hospital Center of Metabolism and nodes Researchs.
- Training course in Genetic of mouse .3Agu-3Dec,2004 Institute Pasteur Paris.
- Theoretical and Practical workshop on Bioinformatics. Pasteur Institute of Iran ۱۸-۱۶ . Dec, 2003 .
- Certificate of completion of the electronic coursework entitled “Amino Acid Analysis of Peptides and Protein .” January 2003.
- Certificate of completion of the electronic coursework entitled “Protein Purification in Down Stream Process .” December 2002 .
- Diploma of mouse Genetic ۲۱ .December .۲۰۰۱ Institute Pasteur Paris .
- Theoretical course of mouse Genetic. 26 Nov ۲۱-.Dec .۲۰۰۱ .Institute Pasteur Paris .
- Training course in "cartography des genes de la souris ۲۸ Aug.- 25Nov, 2001. Genetic Mammalian department-Institute Pasteur Paris .
- The practical and theoretical basis of Methods of Molecular Biology workshop. Genetic research center & University of social welfare and rehabilitation ۱۳-۲۱ Jan, 2001 .
- Certificate of the first workshop of strategic planning. 22-24 January 2001. Biotechnology Research .
- A workshop in the current Good Manufacturing practice in Biological products (GMP) . Pasteur Institute of Iran ۱۶-۱۴ .Oct, 2000 ,
- Methodology of research workshop. Pasteur Institute of Iran ۸-۴ .May.۱۹۹۵ ,

Teaching course :

- Teaching theoretical and practical Animal laboratory course to physiology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2012.
- Teaching Theoretical course Medicine Ethical to Medical Biothecnology pHd students.Pasture Institute of Iran.2011and 2012 .
- Teaching Theoretical and pratical Animal Laboratory Anatomy course to physiology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2011.
- Teaching theoretical transgenic course to Biology of reproduction system pHd students.Medical Science University Of Tehran.2011.

- Teaching theoretical IVF course to Biology of reproduction system Ph.D students. Medical Science University Of Tehran. 2010.
- Teaching theoretical and practical Animal laboratory course to physiology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2010.
- Teaching theoretical and practical Animal laboratory course to physiology , Microbiology and Toxicology Ph.D students .Faculty of Veterinary medicine University of Tehran-Azadi Ave.2007-2008.
- Teaching theoretical and practical Animal laboratory Gourse to physiology and Microbiology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2005-2006 .
- Teaching theoretical and practical Animal laboratory Gourse to physiology and Microbiology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2004 .
- Teaching theoretical and practical Animal Laboratory course (Diseases, Genetic, Surgery and Microsurgery) to pharmacology Ph.D students. Faculty of Veterinary medicine University of Tehran-Azadi Ave.2003 .
- Teaching Biology course. Faculty of medicine-Azad University-Karaj. 1996 .

Supervisor on student thesis :

- Pharmacokinetic analysis of a noval chimeric truncated and mutant variant of Tissue Plasminogen Activator (t-PA) resistant to plasminogen activator inhibitor-1 in rat,2012-2014 (as coadvisor)
- Effect of ZnO nano-particles on thyroid tissues and thyroid hormones concentrations in Rat blood, 2012-2013. (as coadvisor).
- Study of tratogenic effect of RANITIDIN in Rodents (mouse), 1994 (as co advisor).

Research experiences:

- Effect of zno and silver nano particles on liver and RBC of rat.
- Evaluation of Cytokins responses) IFNg , IL10 (to Leishmania major in second generation backcross of BALB/c & MBT/pas inbred mouse.
- Genetic determinism of resistance and susceptibility to the pathogen Leishmania major in mice .
- Genetic determinism of susceptibility to the Poliovirus infection in mice .
- Generation of transgenic mice and goats expressing recombinant calcitonin in their milk .
- Cloning positional of mutation LUCA .
- Development of Helicobacter pylori) .mouse model) and preparation the recombinant vaccine .
- Production of recombinant vaccine against Lyshmania major using matrix lipid carrier.

Publications :

- **Esmat Mirabzadeh Ardakani**, Soheila Hekmat, Elham Bagheri, Maryam Ravan and Mitra Elmi. Tadalafil and Gasterointestinal Relaxivity Effects . World Journal of Gastrointestinal Pharmacology and Therapeutics . Submitted 2012-07-30.
- Vahid Khalaj, Mohammad Azizi, Somayeh Enayati, Dorsa Khorasanizadeh & **Esmat Mirabzadeh Ardakani** .NCE102 homologue in Aspergillus fumigatus is required for

normal sporulation, not hyphal growth or pathogenesis. FEMS Microbiol Lett 329 .2012
 -۱۳۸(138-145).

- Book : Principales Of The Ethical Committee for the Production of Animals Used for Scientific Purposes .**Mirabzadeh Ardakani E** ,Ahmadi Norbakhsh .S .2010 .
- Salimabadi Y, Telmadarraiy Z,Vatandoost H,Chinikar S,Moradi M ,**Mirabzadeh Ardakani E** ,Hekmat S,Nasiri A . Hard Ticks on Domestic Ruminants and Their Seasonal Population Dynamics in Yazd Province,Iran .Iranian Journal of Arthropod-Borne Diseases, Vol. 4,No.1,2010.
- Book: Medical Rodentology . Nekoei H , Asmar M. Scientific editor: **Mirabzadeh ardakani E**. 2010. Publisher Pasteur Institute of Iran.

Projects:

- “Evaluation of the Laboratory Animal Research Necessitations in Pasteur Institute, Followed by Compatibility Comparison and Proposing a Comprehensive and Uniform Structure for Laboratory Animal Education and Training in this Research Cente”.Granted by Pasteur Institute of Iran. 2012-2013.
- Design and develop program for ethical consult and supervision on research on laboratory animals. Granted by Vice chancelleor for Research and Technology of the Ministry of Health and Medical Education.2012-2013
- Production of a new ELISA kit based on the use of Dried Blood Spots Sampling for Crimean-Congo hemorrhagic fever screening in “high-risk “regions. **WHO** grant.2011-2012.
- Conception et synthèse de peptides à haute affinité et sélectivité pour les canaux potassium de type Kv1.3. Granted by **ASIP** (Actions Concertees Inter Pasteurienne).2011-2012.
- Evaluation of Cytokines responses (IFN- δ , IL-10) to Leishmania major in second generation backcross of BALB/c & MBT/pas inbred mouse. Granted by Pasteur Institute of Iran.2006-2008.

Lectures and Seminars:

- Histopathological effects of Zinc Oxide Nanoparticles on liver and serum levels of liver enzymes in rats.17th Iranian Veterinary Congress.April 28-30,2012.Tehran- Iran.
- Effect of silver nanoparticles on the level of serum liver enzymes and liver damage in rats^{۱۷} .th Iranian Veterinary Congress.April 28-30,2012.Tehran -Iran.
- Toxic effects of Zinc Oxide Nanoparticles on rat blood cells. 17th Iranian Veterinary Congress.April 28-30,2012.Tehran- Iran.
- Animal Models for Venomics Projects ,Practical Approach. The First Iranian Venomics Symposium. Pasteur Institute of Iran, Biotechnology Research Center.Decemder 23, 2010 Tehran, Iran .

- Non-classical export pathway in *A.fumigatus*: The role of NCE102 homologus in fungal growth and pathogenesis. The Biology Of Fungi Conference. Edinburgh, UK . 1-6 August 2010.
- Utilization of mouse models in the discovery of human disease genes.10th congress of Genetic of Iran .Tehran- Iran. May 21-22, 2008.
- Mouse model in research .2th Biosystematic studies on Rodents of Iran Conference. Mashhad university- Iran .Feb.4-6, 2007.
- Characterization and high resolution mapping of LUCA, a new mouse hair loss mutation. 20th international Mammalian Genome Conference .Charoleston ,South Carolina ,USA . November ۲۰۰۶ ,12-15.
- Survey on acute viral infections that caused by Hantaviruses. 4th. National congress of Zoonoses in Iran .Tehran22-24 Apri , 2000.
- An invitro survey on probably effects of a complex of plant drug correlate with therapy of myasthenia gravis disease^۴ .th. Congress of drug plants. Faculty of pharmacy-Tehran. October.۱۹۹۱