

Curriculum vitae

Name: Kamran Ghaedi

Nationality: Iranian

Birth date: 07/19/1968

Birth place: Isfahan, Iran

Sex: Male

Marital status: Married with two kids



Address:

1) Business address:

**Molecular, Cellular & Developmental division, Biology Dept., Faculty of Sciences,
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&

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Education:

1) High School Certification: Shohadai-E-Adab high school, Esfahan, Iran

Major: Experimental Sciences (Natural Sciences) Sep 1981-Jun 1985

2) Bachelor of Science (B.Sc.) Field: Biology (Botany) Sep 1985-Sep 1989

Dept. of Biology, Faculty of Sciences, University of Isfahan, Isfahan, Iran

3) Master of Science (M.Sc.) Field: Clinical Biochemistry Feb 1990-Jun 1993

**Dept. of Biochemistry, Faculty of Pharmacy and Pharmaceutical Sciences, Isfahan
University of Medical Sciences, Isfahan, Iran**

**Research title: Effects of thyroid hormones on the hepatic DT-diaphorase activity
and glutathione content of liver cells by *invitro* and *invivo* experiments.**

(First rank among of graduates)

4) Japanese Language Intensive Course Certification Apr 1995-Sep 1995

International Student Center, Kyushu University, Fukuoka, Japan

5) Research Student of Molecular Cell Genetics Oct 1995-Mar 1996

Dept. of Biology, Graduate School of Sciences, Kyushu University, Fukuoka, Japan

6) Doctor of Science (D.Sc.) Field: Molecular Cell Genetics Apr 1996-Mar 1999

Dept. of Biology, Graduate School of Sciences, Kyushu University, Fukuoka, Japan

**Research title: Isolation and characterization of two novel complementation
groups of Chinese hamster ovary cell mutants defective in peroxisome assembly
and their complementing genes, using green fluorescent protein tagged with
peroxisomal targeting signal type 2 (PTS2)**

**7) Postdoctoral Researcher of CREST, Japan Science and Technology Corporation
(CREST.JST) Apr 1999-Mar 2001**

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

Research title: Dynamics of organelle assembly and regulation of cell function

8) Postdoctoral Fellow of the Japan Society for the Promotion of Science

Apr 2001-Mar 2003

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

Research title: Molecular mechanisms of peroxisomal membrane assembly

9) Postdoctoral Researcher of SORST, Japan Science and Technology Corporation

(SORST.JST) Apr 2003-Mar 2005

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

Research title: Expression of organelle biogenesis genes and cell-function regulation

Professional Experience:

1) Technician Jan 1990-Jun 1992

Pharmaceutical Herbs and Subsidiary Products Section, Natural Resources Division, Isfahan Municipal Organization of Constructive Campaign (Jihad-E-Sazandegi), Isfahan, Iran

2) Lecturer Sep1993-Mar1995

Dept of Biochemistry, Faculty of Medicine, Kashan University of Medical Sciences, Kashan, Iran

3) Postdoctoral Researcher of CREST, Japan Science and Technology Corporation

(CREST.JST) Apr 1999-Mar 2001

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

Research title: Dynamics of organelle assembly and regulation of cell function

4) Postdoctoral Fellow of the Japan Society for the Promotion of Science

Apr 2001-Mar 2003

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

Research title: Molecular mechanisms of peroxisomal membrane assembly

**5) Postdoctoral Researcher of SORST, Japan Science and Technology Corporation
(SORST.JST) Apr 2003-Mar 2005**

Dept. of Biology, Faculty of Sciences, Kyushu University, Fukuoka, Japan

6) Assistant Professor of Biology,

**Cell, Molecular and Developmental division, Biology dept., Faculty of sciences,
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Jun 2006 - Continued

Scholarship and fellowship Awards:

- 1) Ministry of Health & Medical Education of Iran (MOHMET) Scholarship
for Master Course training June1990-June1993**
- 2) Ministry of Science, Research & Technology of Iran (MSRT) Scholarship
to get Ph.D. degree April 1995-March 1999**
- 3) Ministry of Education, Culture, Sports, Science & Technology of Japan**

(MONBUKAGAKUSHO) Scholarship to get Ph.D. degree

April 1995-March 1999

4) Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowship

April 2001- March 2003

References:

Reference #1:

Name	Position	Present Address	Telephone	Fax
Dr. Yukio fujiki	Professor	Metabolic physiology lab., Biology dept., Faculty of Sciences, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan	++81-92-64 2-2635	++81-92-64 2-2645
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Dr. Shigehiko Tamura	Associate Professor	Metabolic physiology lab., Biology dept., Faculty of Sciences, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan	++81-92-64 2-2636	++81-92-64 2-2645
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Reference #3:

Name	Position	Present Address	Telephone	Fax
Dr. Kanji Okumoto	Assistant Professor	Metabolic physiology lab., Biology dept., Faculty of sciences, Kyushu university, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan	++81-92-64 2-4194	++81-92-64 2-2645
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Reference #4:

Name	Position	Present Address	Telephone	Fax
Dr. Mohhammad Hossein Nasr-Esfahani	Associate Professor & Director of Institute	Royan Institute for Animal Biotechnology, No.371, Alikhani L., Mehr St., Salman Farsi Ave., Isfahan, I.R.Iran	++98-311-2 612900~3	++98-311-2 60-5525
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Reference #5:

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Name	Position	Present Address	Telephone	Fax
Dr. Yahya Khazaie	Investigator	Royan Institute for Animal Biotechnology, No.371, Alikhani L., Mehr St., Salman Farsi Ave., Isfahan, I.R.Iran	++98-311-2 612900~3	++98-311-2 60-5525
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Committee Memberships and Other Responsibilities:

Date:	Job:
2005-2007	Member of Books and Library Affairs Committee, Biology dept., Faculty of sciences, University of Isfahan
2007-2009	Member of Research Affairs Committee, Biology dept., Faculty of sciences, University of Isfahan
2008-2009	Member of Books and Library Affairs Committee, Faculty of sciences, University of Isfahan
2009-Continued	Member of Scientific Affairs Committee, Royan Institute for Animal Biotechnology
2005-2009	Organizer for Graduate Students Seminars of Biology dept., Faculty of sciences, University of Isfahan
2007-2008	Organizer for Master Course Program of Cell and Molecular Biology, Biology dept., Faculty of sciences, University of Isfahan
2009-Continued	Member of Graduate courses Affairs Committee, Biology dept., Faculty of sciences, University of Isfahan
2009-Continued	Member of Teaching Policy Affairs Committee, Biology dept., Faculty of sciences, University of Isfahan
2010-Continued	Member of Educational Affairs Committee, University of Isfahan

Teaching Responsibilities (University of Isfahan):

Each semester: Cell Biology (Undergraduate Course, 3 credit Units)
Fundamental of Biochemistry (Undergraduate Course, 3 Credit Units)
Biochemistry of Metabolism (Undergraduate Course, 3 Credit Units)

Yearly: Metabolic Biochemistry (Undergraduate Course, 3 Credit Units)
Special Topics in genetics (Undergraduate Course, 2 Credit Units)
Immunogenetics (Undergraduate Course, 2 Credit Units)
English Professional Texts for Genetics (Undergraduate Course, 2 Credit Units)
Protein Biochemistry (Undergraduate Course, 2 Credit Units)
Fundamental of Genetics (Undergraduate Course, 3 Credit Units)
Biochemistry of Chromatin (Graduate Course, 2 Credit Units)
New Topics in Genetics (Graduate Course, 2 Credit Units)
Membrane Biochemistry & Physiology (Graduate Course, 2 Credit Units)
Advanced Molecular Biology (Graduate Course, 2 Credit Units)
Advanced Techniques (Graduate Course, 2 Credit Units)
Biotechnology (Undergraduate Course, 2

Credit Units)

- Once:** **Animal Biotechnology (Undergraduate Course, 2
Credit Units)**
**Biochemistry of Chromatin (Undergraduate Course, 2
Credit Units)**
Advanced Cell Biology (Graduate Course, 2 Credit Units)
Genetic Engineering (Graduate Course, 2 Credit Units)
Stem Cells (Graduate Course, 2 Credit Units)

Published papers:

1) Kinoshita, N., Ghaedi, K., Shimozawa, N., Wanders, R.J.A., Matsuzono, Y., Imanaka, T., Okumoto, K., Suzuki, Y., Kondo, N., & Fujiki, Y. (1998) Newly identified Chinese hamster ovary cell mutants are defective in biogenesis of peroxisomal membrane vesicles (peroxisomal ghosts), representing a novel complementation group in mammals. *J. Biol. Chem.*, 273, 24122-24130.

2) Matsuzono, Y., Kinoshita, N., Tamura, S., Shimozawa, N., Hamasaki, M., Ghaedi, K., Wanders, R.J.A., Suzuki, Y., Kondo, N., & Fujiki, Y. (1999) Human *PEX19*: cDNA cloning by functional complementation, mutation analysis in a patient with Zellweger syndrome, and potential role in peroxisomal membrane assembly. *Proc. Natl. Acad. Sci. USA.*, 96, 2116-2121.

3) Shimizu, N., Itoh, R., Hirono, Y., Otera, H., Ghaedi, K., Tateishi, K., Tamura, S., Okumoto, K., Harano, T., Mukai, S., & Fujiki, Y. (1999) The Peroxin Pex14p. cDNA cloning by functional complementation on a Chinese hamster ovary cell mutant, characterization, and functional analysis. *J. Biol. Chem.*, 274, 12593-12604.

4) Ghaedi, K., Itagaki, A., Toyama, R., Tamura, S., Matsumura, T., Kawai, A., Shimozawa, N., Suzuki, Y., Kondo, N., & Fujiki, Y. (1999) Newly identified Chinese hamster ovary cell mutants defective in peroxisome assembly represent complementation group A of human peroxisome biogenesis disorders

and one novel group of mammals. *Exp. Cell Res.*, 248, 482-488.

5) Ghaedi, K., Kawai, A., Okumoto, K., Tamura, S., Shimozawa, N., Suzuki, Y., Kondo, N., & Fujiki, Y. (1999) Isolation and characterization of novel peroxisome biogenesis-defective Chinese hamster ovary cell mutants using green fluorescent protein. *Exp. Cell Res.*, 248, 489-497.

6) Ghaedi, K., Tamura, S., Okumoto, K., Matsuzono, Y., & Fujiki, Y. (2000) The peroxin Pex3p initiates membrane assembly in peroxisome biogenesis. *Mol. Biol. Cell*, 11, 2085-2102.

7) Otera, H., Harano, T., Honsho, M., Ghaedi, K., Mukai, S., Tanaka, A., Kawai, A., Shimizu, N., & Fujiki, Y. (2000) The mammalian peroxin Pex5pL, the longer isoform of the mobile peroxisome targeting signal (PTS) type 1 transporter, translocates the Pex7p.PTS2 protein complex into peroxisomes via its initial docking site, Pex14p. *J. Biol. Chem.*, 275, 21703-14.

8) Shimozawa, N., Suzuki, Y., Zhang, Z., Imamura, A., Ghaedi, K., Fujiki, Y., & Kondo, N. (2000) Identification of *PEX3* as the gene mutated in a Zellweger syndrome patient lacking peroxisomal remnant structures. *Hum. Mol. Genet.*, 9, 1995-1999.

9) Ghaedi, K., Honsho, M., Shimozawa, N., Suzuki, Y., Kondo, N., & Fujiki, Y. (2000) *PEX3* is the causal gene responsible for peroxisome membrane assembly-defective Zellweger syndrome of complementation group G. *Am. J. Hum. Genet.*, 67, 976-981.

10) Mukai, S., Ghaedi, K., & Fujiki, Y. (2002) Intracellular localization, function, and dysfunction of the peroxisome-targeting signal type 2 receptor, Pex7p, in mammalian cells. *J. Biol. Chem.*, 277, 9548-9561.

11) Fujiki, Y., Otera, H., & Ghaedi, K. (2002) peroxisome biogenesis and human disorders. (review) *Exp. Med. (Jikken igaku)*, 20, 987-993. (Japanese)

12) Akiyama, N., Ghaedi, K., & Fujiki, Y. (2002) A novel pex2 mutant: catalase-deficient but temperature-sensitive PTS1 and PTS2 import. *Biochem. Biophys. Res. Commun.*, 293, 1523-9.

- 13) Fujiki, Y., Okumoto, K., Kinoshita, N., & Ghaedi, K. (2006) Lessons fom peroxisome-deficient Chinese hamster ovary (CHO) cell mutants (review). *Biochim. Biophys. Acta*, 1763, 1374-81.
- 14) Ghaedi, K., Shafeghati, Y., Nassiri, I., & Ghasemi, S. (2006) Clinical diagnosis of peroxisome biogenesis disorders with zellweger syndrome spectrum. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 47, 50-55 (Persian).
- 15) Ghaedi, K., Valian-Brujeni, S., Shafeghati, Y., Nassiri, I., & Ghasemi, S. (2006) Molecular basis of peroxisomal disorders with zellweger syndrome (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 4, 833-838 (Persian).
- 16) Tavassoli, M., Ghaedi, K., Sadeghi, M., & Fazeli, Z. (2006) New methods for cancer treatment by targeting apoptosis pathway (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 4, 903-913 (Persian).
- 17) Tavassoli, M., Ghaedi, K., Fazeli, Z., & Sadeghi, M. (2006) Signal transduction for cancer treatment (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 4, 914-920 (Persian).
- 18) Ghaedi, K. & Lahmi, R. (2007) Genetical base of peroxisomal biogenesis (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 994-1009 (Persian).
- 19) Ghaedi, K., Tajadod, M., Valian-Brujeni, S. & Esmaeeli, A. (2007) Molecular function of PPAR in metabolism (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1010-1015 (Persian).
- 20) Mobini-Dehkordi, M., Nahvi, I., Ghaedi, K., & Tavassoli, M. (2007) Isolation of high ethanol resistant strains of *Saccharomyces cerevisiae*. *Research in Pharmaceutical Sciences*, 1, 85-91.
- 21) Ghaedi, K., & Nassiri, I. (2007) Molecular characterization of peroxisome biogenesis disorders with zellweger syndrome spectrum (review). *Iranian Journal of Pediatrics*, 17, 275-282.
- 22) Ghaedi, K., Ghasemi, S., & Nassiri, I. (2007) Molecular Bases and diagnosis of peroxisomal disorders (review). *Physician & Laboratory*

(*Pezeshk-va-Azmayeshgah*), 27, 19-22 (Persian).

23) Ghaedi, K., & Jodeiri, M. (2007) Clinical diagnosis of Alzheimer disease. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 52, 20-29 (Persian).

24) Ghaedi, K., & Razavi, S. (2007) An introduction of tissue engineering (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1075-1079 (Persian).

25) Nahvi, I., Ghaedi, K., & Abbasi, M. (2007) A brief review of yeast two-hybrid system (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1080-10919 (Persian).

26) Vallian Borujeni, S., Ghaedi, K., & Ghasemi, S. (2007) The genetic role of retinoic acid receptors in embryonic development: Study of genetic mutations in retinoic acid receptors, resulting in tissue abnormalities (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1126-1133 (Persian).

27) Mobini-Dehkordi, M., Nahvi, I., & Ghaedi, K. (2007) Application of genetic engineering in changing of *Saccharomyces cerevisiae* metabolism (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1150-1154 (Persian).

28) Ghaedi, K., & Mohammadi Amirabadi, L. (2007) Molecular diagnosis of vitiligo: a skin disorder. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 53, 11-21 (Persian).

29) Ghodratnama, R., Karbalaii, K., Ghaedi, K., Baharvand, H. & Nasr-Esfahani, M. (2007) Optimization of PTS2-EGFP expression in CHO and Vero cells. *Yakhteh medical journal*, 9, 170-5.

30) Ghaedi, K., Miri, M., & Tavassoli, M. (2008) The role of epigenetic mechanisms in cancer formation (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1191-1201 (Persian).

31) Darvishi-Harzvili, F., Habibi, E., Ghaedi, K., Zarkesh, H. & Enteshari, J. Antisense technology (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 5, 1176-1183 (Persian).

32) Ghaedi, K., Yazdkhasti, F., & Jodeiri, M. (2008) Molecular and

Clinical diagnosis of Parkinson disease. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 54, 17-30 (Persian).

33) Mobini-Dehkordi, M., Nahvi, I., Zarkesh-Esfahani, H., Ghaedi, K., Tavassoli, M., & Akada. R. (2008) Isolation of a novel mutant strain of *Saccharomyces cerevisiae* by an Ethyl Methane Sulfonate-induced mutagenesis approach as a high producer of bioethanol. *Jouranl of Bioscience and Bioengineering*, 105, 403-8.

34) Ghaedi, K., Mojbafan, M. (2008) Stem cell usage in treatment of neurological diseases (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 6, 1255-1259 (Persian).

35) Ghaedi, K., & Shabani, K. (2008) Molecular aspects of prion diseases (review). *Genetics in the third millennium (genetic dar hezareh sevom)*, 6, 1339-1349 (Persian).

36) Ghaedi, K., & Rezayie, Z. (2008) Molecular diagnosis and gene therapy of Duchenne muscular dystrophy (DMD). (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 55, 24-30 (Persian).

37) Ghaedi, K., & Fujiki, Y. (2008) Isolation and characterization of novel phenotype CHO cell mutants defective in peroxisome assembly, using ICR191 as a potent mutagenic agent. *Cell Biochemistry & Function*, 26, 1-8.

38) Ghaedi, K., & Nassiri, I. (2008) Molecular diagnosis of Peroxisome Biogenesis Disorders; Zelweger Syndrome Spectrum. *Pak Ped J*, 32(2): 75-81.

39) Ghaedi, K., & Shabani, K. (2008) Molecular diagnosis of prion diseases (review). *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 57, 12-25 (Persian).

40) Salamian, A., Ghaedi, K., Razavi, S., Tavalae, M., Tanhaei, S., Tavalae, M., salahshouri, I., Gourabi, H. & Nasr-Esfahani, M.H. (2008) Single Nucleotide Polymorphism Analysis of Protamine Genes in Infertile Men. *International Journal of Fertility and Sterility*, 2(1): 13-18.

41) Nazari Jahantigh, M., Ghaedi, K., Nasr Isfahani, M.H., Tanhaei, S., Rabiee, F., Karbalaei, K., Ostad Sharif, M., Nematollahi, M., Baharvand, H.,

Razavi, S., & Miroliaei, M. (2008) Intracellular localization of FLAG-peroxisomal protein in Chinese Hamster Ovary (CHO) cells. *Iranian Journal of Biotechnology*, 6 (3): 174-180.

42) Nazari Jahantigh, M., Ghaedi, K., Tanhaie, S., Rabiee, F., Nasr Esfahani, M.H., Baharvand, H., Karbalaie, Kh. & Miroliaei, M. (2008) Construction of eukaryotic expression vectors encoding PEP-cDNA with FLAG and GST tags. *Research journal of university of Isfahan (Science)*, 35(6): 75-88.

43) Ghasemi, S., Ghaedi, K., Nasr Esfahani, M.H., Esmaeili, A., Tanhaie, S., Rabiee, F., Karbalaie, Kh. & Baharvand, H. (2008) Cloning of mouse PPAR γ 1 cDNA in pEFGP-C1 expression vector. *Research journal of university of Isfahan (Science)*, 35(6): 181-94.

44) Eghbalsaied, S., Ghaedi, K., Hosseini, M., Tanhaie, S., Forouzanfar, M., Hajian, M., Mozafari, NA. & Nasr Esfahani, M.H. (2009) Selection of the most appropriate medium for assessing motility and DNA uptake of bovine spermatozoa. *Yakhteh Medical Journal*, 10 (4): 266-71.

45) Ghaedi, K., & Heidari, M. (2009) Molecular diagnosis of lupus and its treatments (review). *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 60, 39-50 (Persian).

46) Zarei, M., Koujuri, R., Esmaeli, A. & Ghaedi, K. (2009) Molecular mechanism of neurotrophins in spinal cord injuries (review). *Physicion & laboratory (Pezeshk va azmayeshgah)*, 37-7, 33-7 (Persian).

47) Eghbalsaied, S., Ghaedi, K., Forouzanfar, M., Hajian, M., Hosseini, M. & Nasr Esfahani, M.H. (2009) Science and Technology of Farm Animal Transgenesis (review). *Yakhteh Medical Journal*, 11(2), 78-87 (Persian).

48) Tanhaie, S., Ghaedi, K., Karbalaii, K., Razavi, S., Ostadsharif, M., Nazari-Jahantigh, M., Rabeei, F., Nematollahi, M., Baharvand, H. & Nasr Esfahani, M.H. (2009) Mouse peroxisomal protein cDNA cloning and characterization of its intracellular localization. *Yakhteh Medical Journal*, 11(2), 196-203 (Persian).

49) Ostadsharif, M., Ghaedi, K., Nasr Esfahani, M.H., Tanhaie, S., Karbalaii, K., Parivar, K. & Baharvand, H. (2009) Cytosolic localization of mouse peroxisomal protein/ Δ SKI fused with enhanced green fluorescent protein into Chinese hamster ovary-K1 and P19 cells. *Yakhteh Medical Journal*, 11(2), 154-159 (Persian).

50) Ghasemi, S., Ghaedi, K., Nasr Esfahani, M.H., Esmaeli, A., Tanhaie, S., Rabeii, F., Karbalaii, K. & Baharvand, H. (2009) Transfection of mouse PPARgamma1 cDNA in to the bovine fibroblast cells and analysis of its intracellular expression using EGFP gene reporter. *Journal of veterinary medicine*, 3(6), 1-6 (persian).

51) Ghaedi, K., Yazdkhasti, F., Jodeiri, M. & Shirani, M. (2009) Molecular foundation of schizophrenia. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 61-2, 33-42 (Persian).

52) Ghaedi, K., & Javadi, M. (2009) Telomerase: New target for cancer treatment. (review) *Genetics in the third millennium (genetic dar hezareh sevom)*, 7, 1597-1603 (Persian).

53) Ghaedi, K., Malekshahi, Z. & Sadeghi, M. (2009) Synthesis of gold and silver nanoparticles, using microorganisms and its advantages. (review) *Genetics in the third millennium (genetic dar hezareh sevom)*, 7, 1581-1588 (Persian).

54) Dormiani, K., Khazaie, Y., Ghaedi, K., Mir Mohammad Sadeghi, H., Forouzanfar, M. & Nasr Esfahani, M.H. (2009) Construction of tenecteplase coding sequence by a rapid megaprimer PCR method and its cloning in a mammary gland tissue specific expression vector. *Research in Pharmaceutical Sciences*, 4(1): 1-9.

55) Ghaedi, K., Uemura, H. & Fujiki Y. (2009) Isolation and characterization of a new peroxisome deficient CHO mutant cell belonging to complementation group 12. *Journal of Sciences-Islamic Republic of IRAN*, 20(3):205-11.

56) Nazari Jahantigh, M., Ghaedi, K., Nasr Isfahani, M.H., Tanhaei, S.,

Rabiee, F., Karbalaie, K.H., Ostad Sharif, M., Nematollahi, M., Baharvand, H., Razavi, S. & Miroliaei, M. (2009) Construction of expression vectors carrying mouse peroxisomal protein gene (PeP) with GST and Flag labels. *African Journal of Biotechnology*, 8 (22): 6040-6045.

57) Panahi, S. & Ghaedi, K. (2009) Genetic basis of dyslexia. (review) *Genetics in the third millennium (genetic dar hezareh sevom)*, 7, 1868-1873 (Persian).

58) Mojibafan, M., Ghaedi, K., Razavi, Sh., Tanhaei, S., Rabiee, F. & Nasr Isfahani, M.H. Optimization of RT-PCR conditions in order to analyze the expression of peroxisomal genes: Catalase, PEX3 compare to pluripotent genes: OCT4, Nanog in mouse embryonic stem cells. *Genetics in the third millennium (genetic dar hezareh sevom)*, 7, 1856-1863 (Persian).

59) Vahidi, M.H. & Ghaedi, K. (2009) Polymorphism involvement in diabetes type 1. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 64, 8-14 (Persian).

60) Hatami-Baroogh, L., Razavi, Sh., Zarkesh-Esfahani, H., Tavalae, M., Tanhaei, S., Ghaedi, K., Deemeh., M.H., Rabiee, F., Nasr-Esfahani, M.H. (2010) Evaluation of the leptin receptor in human spermatozoa. *Reproductive Biology & Endocrinology*, 8(17):1-7.

61) Maleki, J. & Ghaedi, K. (2010) Molecular Basis of Fabry disease. (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 65, 50-4 (Persian).

62) Ghasemi, S., Ghaedi, K., Nasr Esfahani, M.H., Tanhaei, S., Rabeei, F., Karbalaie, K., Baharvand, H., & Esmaeili, A. (2010) Intranuclear Localization of EGFP-mouse PPAR γ 1 in Bovine Fibroblast Cells. *Yakhteh Medical Journal*, 12(1), 97-104.

63) Ostadsharif, M., Ghaedi, K., Nasr-Esfahani, M.H., Tanhaie, S., Karbalaie, K. & Baharvand, H. (2010) Sorting analysis of mouse peroxisomal protein by in vitro studies. *Iranian Journal of Biotechnology*, 8(3),186-192.

64) Shadanloo F., Najafi, M.H., Hosseini, M., Hajian M., Forouzanfar, M.,

Ghaedi K., Ostadhosseini, S., Hosseini, L., Eskandari-Nasab, M.P. & Nasr-Esfahani, M.H. (2010) Sperm status and DNA dose play key roles in sperm/ICSI-mediated gene transfer in Caprine. *Molecular Reproduction & Development*, 1-8.

65) Esmaeili, A., & Ghaedi, K. (2010) GABAA receptors as novel drug targets for treatment of mental disorders. *Journal of Paramedical Sciences*, 1(3): 50-61.

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68) Reisi, S. & Ghaedi, K. (2010) A review to refsum disease (review) *Clinical diagnosis (Tashkhis Azmayeshgahi)*, 68, 39-46 (Persian).

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70) Honsho, M., Hashiguchi, Y., Ghaedi, K. & Fujiki, Y. (2011) Interaction defect of the medium isoform of PTS1-receptor Pex5p with PTS2-receptor Pex7p abrogates the PTS2 protein import into peroxisomes in mammals. *J. Biochem.* 149(2):203–210.

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72) Rahgozar S., Ghaedi, K. & Pakravan, G. (2011) Cell junctions and signaling pathways in platelets (review). *Blood (Khun)*. 30: 60-73 (Persian).

73) Nasr-Esfahani, M.H., Hosseini, S.M., Hajian, M., Forouzanfar, M., Ostadhosseini, S., Abedi, P., Khazaie, Y., Dormiani, K., Ghaedi, K., Forouzanfar, M., Gourabi, H., Shahverdi, A.H., Vosough, A.D. & Vojgani, H. (2011) Development of an optimized zona-free method of somatic cell nuclear transfer in the goat. *Cellular Reprogramming*. 13(2):157-169.

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1) Ghaedi, K., Haghghi, B., Suzangar, M. (16-18 Nov, 1993) Effects of thyroid hormones on DT-diaphorase activity and Glutathione content in liver cells by in vitro, in vivo., Sceond Iranian Congress of Biochemistry & Biophysics, Tehran, Iran (Poster presentation).

2) Ghaedi, K., Haghghi, B., Suzangar, M. (15-18 Apr, 1995) Effects of thyroid hormones on function of liver cells in vitro., Third Iranian Congress of Biochemistry & Laboratory Sciences, Tabriz, Iran (Poster presentation).

3) Ghaedi, K., Okumoto, K., Kawai, A., Tamura, S., and Fujiki, Y. (29 Sep-1 Oct, 1997) Isolation and characterization of a newly identified peroxisome-deficient CHO-cell mutant, using green fluorescent protein tagged with peroxisomal targeting signals., 50th Annual Meeting of Japan Society for Cell Biology, Yokohama (Oral presentation).

4) Ghaedi, K., Tamura, S., Fujiki, Y. (16-19 Dec, 1997) Isolation and characterization of a newly identified peroxisome-deficient CHO-cell mutant, using green fluorescent protein tagged with peroxisomal targeting signal-2 (PTS2)., 20th Annual Meeting of the Molecular Biology Society of Japan, Kyoto (Poster presentation).

5) Ghaedi, K., Tamura, S., Fujiki, Y. (12-14 Mar, 1998) Isolation and characterization of newly identified peroxisome-deficient CHO-cell mutants, using green fluorescent protein tagged with peroxisomal targeting signal-2 (PTS2)., International Symposium . CREST Research Conference on Peroxisome: Biogenesis, Function and Disease, Fukuoka (Poster presentation).

6) Ghaedi, K., Tamura, S., Fujiki, Y. (24-28 Aug, 1998) Isolation and characterization of newly identified peroxisome-deficient CHO-cell mutants, using green fluorescent protein tagged with peroxisomal targeting signal-2 (PTS2)., Third Congress of the Asian-Pacific Organization for Cell Biology, Osaka (Poster presentation).

7) Ghaedi, K., Mukai, S., Tamura, S., Shimosawa, N., and Fujiki, Y. (16-19 Dec, 1998) Isolation and characterization of a novel CHO-cell mutant (ZPG207), belonging to the same complementation group as rhizomelic chondrodysplasia punctata (RCDP) fibroblast., 21st Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation).

8) Mukai, S., Ghaedi, K., Fujiki, Y. (16-19 Dec, 1998) Molecular analysis of the deficiency of PTS2-protein import caused by mutation in *HsPEX7*., 21st Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation)

9) Fujiki, Y., Ghaedi, K., Itagaki, A., and Tamura, S. (16-19 Dec, 1998) Isolation and characterization of peroxisome biogenesis-defective CHO cell mutants of novel complementation groups., 21st Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation)

10) Fujiki, Y., Ghaedi, K., Itagaki, A., and Tamura, S. (24-25 Apr, 1999) Isolation and characterization of peroxisome biogenesis-defective CHO cell mutants of novel complementation groups., Annual Meeting of the Japanese Biochemical Society of Kyushu branch, Kurume (Oral presentation)

11) Ghaedi, K., Tamura, S., Fujiki, Y. (6-9 Oct, 1999) Isolation and characterization of a CHO-cell mutant, ZPG208, representing a novel

complementation group in mammals., 72nd Annual Meeting of the Japanese Biochemical Society, Yokohama (Poster presentation).

12) Mukai, S., Ghaedi, K., Fujiki, Y. (6-9 Oct, 1999) deficiency of PTS2-protein import in complementation group of rhizomelic chondrodysplasia punctata (RCDP) fibroblasts and intracellular localization of Pex7p., 72nd Annual Meeting of the Japanese Biochemical Society, Yokohama (Poster presentation)

13) Ghaedi, K., Tamura, S., Fujiki, Y. (7-10 Dec, 1999) Isolation and characterization of the peroxin, Pex3p, by functional complementation of a novel CHO cell mutant, ZPG208., 22nd Annual Meeting of the Molecular Biology Society of Japan, Fukuoka (Poster presentation).

14) Mukai, S., Ghaedi, K., Fujiki, Y. (7-10 Dec, 1999) intracellular localization of Pex7p., 22nd Annual Meeting of the Molecular Biology Society of Japan, Fukuoka (Poster presentation).

15) Matsumura, T., Otera, H., Ghaedi, K., and Fujiki, Y. (7-10 Dec, 1999) Isolation and characterization of a *PEX5*-defective mutant, ZPG231, with a phenotype of solely abnormal PTS2-protein import., 22nd Annual Meeting of the Molecular Biology Society of Japan, Fukuoka (Poster presentation).

16) Ghaedi, K., Tamura, S., Fujiki, Y. (13-14 May, 2000) Cloning of the peroxin, Pex3p, by functional complementation of a novel CHO cell mutant, ZPG208., Annual Meeting of the Japanese Biochemical Society of Kyushu branch, Fukuoka (Oral presentation).

17) Mukai, S., Ghaedi, K., Fujiki, Y. (13-14 May, 2000) Molecular analysis of protein import deficiency caused by PTS2 receptor (Pex7p) mutation, Annual Meeting of the Japanese Biochemical Society of Kyushu branch, Fukuoka (Oral presentation).

18) Mukai, S., Ghaedi, K., Fujiki, Y. (11-14 Oct, 2000) *PEX7* mutation analysis: deficiency of PTS2-protein and Pex5pL interaction., 73rd Annual Meeting of the Japanese Biochemical Society, Yokohama (Poster presentation)

19) Matsuzono, Y., Ghaedi, K., Fujiki, Y. (11-14 Oct, 2000) Functional

domain analysis of peroxisome assembly factor, Pex19p., 73rd Annual Meeting of the Japanese Biochemical Society, Yokohama (Poster presentation)

20) Ghaedi, K., Honsho, M., Shimozawa, N., Suzuki, Y., Kondo, N., and Fujiki, Y. (31 Oct-2 Nov, 2000) *PEX3* is a novel pathogenic gene responsible for PBDs of complementation group G., 53rd Annual Meeting of Japan Society for Cell Biology, Fukuoka (Oral presentation)

21) Matsuzono, Y., Ghaedi, K., Fujiki, Y. (31 Oct-2 Nov, 2000) Functional analysis of peroxisome assembly factor, Pex19p., 53rd Annual Meeting of Japan Society for Cell Biology, Fukuoka (Oral presentation)

22) Ghaedi, K., Tamura, S., Okumoto, K., Matsuzono, Y., and Fujiki, Y. (9-13 Dec, 2000) Pex3p is required for a membrane-assembly stage in peroxisome biogenesis. 40th American Society for Cell Biology Annual Meeting, San Francisco (Poster presentation)

23) Mukai, S., Ghaedi, K., Fujiki, Y. (13-16 Dec, 2000) deletion mutants of Pex7p: complementation activity and interaction with Pex5pL and PTS2-protein., 23rd Annual Meeting of the Molecular Biology Society of Japan, Kobe (Poster presentation)

24) Tanaka, A., Abe, I., Ghaedi, K., Harano, T., and Fujiki, Y. (13-16 Dec, 2000) Screening of the protein interacting with Pex11p., 23rd Annual Meeting of the Molecular Biology Society of Japan, Kobe (Poster presentation)

25) Matsuzono, Y., Ghaedi, K., Fujiki, Y. (13-16 Dec, 2000) Function of peroxisome assembly factor, Pex19p: search for interacting partners. 23rd Annual Meeting of the Molecular Biology Society of Japan, Kobe (Poster presentation)

26) Ghaedi, K., Fujiki, Y. (29 May-1 Jun, 2001) Membrane topogenesis of the peroxin Pex3p responsible for Zellweger syndrome of complementation group G., 54th Annual Meeting of Japan Society for Cell Biology, Gifu (Poster presentation)

27) Ghaedi, K., Fujiki, Y. (25-28 Oct, 2001) A positively charged amino-acid cluster adjacent to the hydrophobic domain in the N-terminal part of

rat Pex3p functions in targeting a fusion protein to the peroxisomal membrane., 74th Annual Meeting of the Japanese Biochemical Society, Kyoto (Poster presentation)

28) Fujiki, Y., Ghaedi, K., Matsuzono, Y., and Honsho, M. (25-28 Oct, 2001) Mechanisms of peroxisomal membrane proteins targeting., 74th Annual Meeting of the Japanese Biochemical Society, Kyoto (Oral presentation)

29) Mukai, S., Ghaedi, K., Fujiki, Y. (8-12 Dec, 2001) *Pex7* phenotype in mammals: function and dysfunction

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30) Akiyama, N., Ghaedi, K., Fujiki, Y. (9-12 Dec, 2001) Characterization of *PEX2*-defective CHO mutant, ZPEG309., 24th Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation)

31) Uemura, H., Ghaedi, K., Koga, N., and Fujiki, Y. (9-12 Dec, 2001) Morphological and biochemical analysis of peroxisomal deficient mutant CHO cell, ZPEG306., 24th Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation)

32) Matsuzono, Y., Ghaedi, K., Fujiki, Y. (9-12 Dec, 2001) Function of peroxisome assembly factor, Pex19p: search for interaction partners., 24th Annual Meeting of the Molecular Biology Society of Japan, Yokohama (Poster presentation)

33) Ghaedi, K., Honsho, M., Fujiki, Y. (14-17 Oct, 2002) Characterization of peroxisomal membrane targeting signal (mPTS) responsible for directing Pex3p to the peroxisomes., 75th Annual Meeting of the Japanese Biochemical Society, Kyoto (Poster presentation)

34) Uemura, H., Ghaedi, K., and Fujiki, Y. (14-17 Oct, 2002) Using ICR-191 as a potent mutagen for isolation of CHO cell mutants defective in peroxisome biogenesis., 75th Annual Meeting of the Japanese Biochemical

Society, Kyoto (Poster presentation)

35) Fujiki, Y., Honsho, M., Matsuzono, Y., and Ghaedi, K., (14-17 Oct, 2002) Localization mechanisms of peroxisomal membrane assembly factors, Pex16p and Pex3p., 75th Annual Meeting of the Japanese Biochemical Society, Kyoto (oral presentation)

36) Ghaedi, K., and Fujiki, Y. (26-28 May, 2004) A new method for isolation of CHO cell mutants defective in peroxisome assembly and restoration, using ICR191, a potent mutagenic agent. 57th Annual Meeting of Japan Society for Cell Biology, Osaka (Poster presentation)

37) Ghaedi, K., and Fujiki, Y. (11-15 September, 2005) Pex3p is required for a membrane-assembly stage in peroxisome biogenesis. 8th Iranian Congress of Biochemistry & The First International congress of Biochemistry & Molecular Biology, Tehran, Iran (oral presentation)

38) Ghaedi, K., and Fujiki, Y. (10-16 December, 2005) Optimization of peroxin, Pex3p, purification and its pull down procedures to detect its binding partners. Eighth Research Week, The University of Isfahan, Isfahan, Iran (Oral presentation)

39) Ghaedi, K., Yasutake, S., Tamura, S., & Fujiki, Y. (20-22 May, 2006) Binding domain analysis of peroxins pex1p and pex6p. 9th Iranian Genetics Congress, Tehran, Iran (Oral Presentation)

40) Ghaedi, K., and Fujiki, Y. (29-31 August, 2006) Isolation and characterization of complementation groups of Chinese hamster ovary cell mutants defective in peroxisome assembly and their complementing genes, using green fluorescent protein tagged with peroxisomal targeting signals. 14th National & 2nd International Conference of biology, Tehran, Iran (Poster presentation)

41) Ghaedi, K., and Fujiki, Y. (13-15 September, 2006) Human embryonic stem cells were used for peroxin, Pex3p, purification and detection of its binding partners. Royan Twin congress: 7th International Congress on Reproductive Biomedicine & 2nd International Congress on Stem Cell Biology & Technology,

Tehran, Iran (oral presentation)

42) Ghodratnama, R ., Karbalaii, K., Ghaedi, K., Baharvand, H., Nasr-Esfahani, MH. Royan (13-15 September, 2006) Optimization of PTS2-EGFP expression in CHO and Vero cells using S α promoter. Twin congress: 7th International Congress on Reproductive Biomedicine & 2nd International Congress on Stem Cell Biology & Technology, Tehran, Iran (Poster presentation)

43) Ghaedi, K. (27 October-1 November, 2006) Molecular diagnosis of human peroxisomal biogenesis disorders. 18th International congress of Pediatrics, Tehran, Iran (oral presentation)

44) Abbasi-Dinnai, M., Nahvi, I., Ghaedi, K. (15-17 November, 2006) The basis and application of two hybrid system in yeast. The first national Biotechnology Congress, Kermanshah, Iran (Poster presentation)

45) Eghbal-Saeed, S., Ghaedi, K., Nasr-Esfahani, MH., Ghodratnama, R., Pirestani, A (26-28 December, 2006) A survey on different transgenesis techniques in domestic animals. 2nd Symposium of New Idea in Agriculture, Isfahan, Iran (Oral presentation)

46) Mohhamadi-Amirabad, L., and Ghaedi, K. (16-17 May, 2007) Molecular investigation on Vitis vitifera disorder. National Biology Seminar, Marand, Iran (Poster presentation)

47) Ghaedi, K., Fujiki, Y. (24 February, 2007) A new approach for isolation of Chinese hamster ovary cell mutants defective in peroxisome biogenesis using ICR191, a potent mutagenic agent. Ninth Research Week, The University of Isfahan, Isfahan, Iran (Oral presentation)

48) Ghodratnama, R . Ghaedi, K., Baharvand, H., Nasr-Esfahani, MH. Royan (24 February, 2007) Kinetic expression of enhanced green fluorescent protein in CHO and Vero cells. Ninth Research Week, The University of Isfahan, Isfahan, Iran (Poster presentation)

(Poster presentation).

49) Nazari Jahantigh, M., Ghaedi, K., Nasr-Esfahani, M., Miroliaei, M.,

(24 February, 2007) Construction of expression vectors carrying mouse peroxisomal protein gene (PeP) with GST and Flag labels. Ninth Research Week, The University of Isfahan, Isfahan, Iran (Poster presentation)

50) Khademizadeh, M., Movahedian-Attar, A., Ghaedi, K. and Naderi, K. (24 February, 2007) Invitro study on preservative effects of several hydrophobic aminoacids due to oxidative reactions. Ninth Research Week, The University of Isfahan, Isfahan, Iran (Oral presentation)

51) Mobini-Dehkordi , M., Nahvi , I., Zarkesh , H., Tavassoli, M. ., and Ghaedi , K., (24 February, 2007) A comparative study of ethanol tolerance and bioproduction in several industrial strains of *Saccharomyces cerevisiae*. Ninth Research Week, The University of Isfahan, Isfahan, Iran (Oral presentation)

52) Ghaedi,K., Nassiri, I. (7-9 March, 2007) Molecular diagnosis of peroxisomal biogenesis disorders. 5th International Workshop on Application of Advanced Molecular Methods for Diagnosis of Human Genetic Diseases, Tehran, Iran (Oral presentation)

53) Mobini-Dehkordi, M., Nahvi, I., Zarkesh, H., Ghaedi, K., and Tavassoli, M. (11-12 July, 2007) Application of *Saccharomyces cerevisiae* resistant strains in bio-ethanol production and its optimization via statistical taguchi method. 1st National Conference on Applied Microbiology, Tehran, Iran (Oral presentation)

54) Mobini-Dehkordi, M., Nahvi, I., Zarkesh, H., Ghaedi, K., and Tavassoli, M. (5-7 September, 2007) Genetic construct designing in nanoscale for gene deleting in yeast. 2nd Student Symposium of Nanotechnology, Kashan, Iran (Oral presentation)

55) Ghaedi , K. (29 October-1 November, 2007) Interaction analysis of Peroxins involved in the early steps of peroxisome biogenesis. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (oral presentation)

56) Nazari, M., Ghaedi, K., Tanhaei, S., Ostadsharif, M., Razavi, S., Nasr-Isfahani, M.H., Baharvand, H., Rabiei, F. & Miroliaei, M. (29 October-1 November, 2007) Construction of an expression vector carrying mouse Peroxisomal protein gene (PEP) with GST label. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

57) Eghbalsaeid, S., Ghaedi, K., Nasr-Isfahani, M.H., Hosseini, M., Tanhaei, S., Moolavi, F. & Mozaffari, N.M. (29 October-1 November, 2007) Lipofection of Bovine spermatozoa to carry EGFP transgene into oocytes. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

58) Ghaedi, K., Nasr-Isfahani, M.H., Mir Mohammad Sadeghi, H., Khazaie, Y. & Dormiani, K. (29 October-1 November, 2007) Production of a tissue plasminogen activator variant by site directed mutagenesis. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

59) Ghaedi, K. & Fujiki, Y. (29 October-1 November, 2007) Interaction analysis of the sorting signal domain of Pex3p: Functional role in Peroxisomal sorting of Pex3p. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

60) Ghaedi, K., Tanhaei, S., Rabiei, F., Ostadsharif, M., Nazari, M., Karbalaayi, K., Nematollahi, M., Nasr-Isfahani, M.H. & Baharvand, H. (29 October-1 November, 2007) Mouse Peroxisomal protein: Cloning and ectopic expression of a novel matrix Peroxisomal protein. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

61) Ostadsharif, M., Ghaedi, K., Razavi, S., Tanhaei, S., Nazari, M., Nasr-Isfahani, M.H., Parivar, K., Baharvand, H. & Rabiei, F. (29 October-1

November, 2007) Construction of Mouse PEP cDNA chimera with EGFP under regulation of CMV promoter. 9th Iranian Congress of Biochemistry & The second International congress of Biochemistry & Molecular Biology, Shiraz, Iran (Poster presentation)

62) Ghaedi, K. (18 November 2007) Isolation and characterization of a novel CHO cell mutant defective in peroxisome biogenesis factor, PEX16, containing aberrant huge peroxisomes. Tenth Research Week, The University of Isfahan, Isfahan, Iran (Oral presentation)

63) Nazari Jahantigh, M., Ghaedi, K., Tanhayii, S., Nasr Isfahani, M. H., Rabiei, F., Miroliaei M. (18 November 2007) PCR Optimization for Amplification of Mouse Peroxisomal Protein Gene (PeP). Tenth Research Week, The University of Isfahan, Isfahan, Iran (Poster presentation)

64) Nazari, M., Ghaedi, K., Tanhaei, S., Karbalaei, K., Nasr-Isfahani, M.H., Baharvand, H. & Miroliaei, M. (24-26 November, 2007) Transient transfection of eukaryotic stem cells by mammalian expression vector carrying Flag-mouse peroxisomal protein cDNA Flag-PEP. The first International Congress on Health Genomics & Biotechnology & The 5th National Biotechnology Conference & the 4th Iranian Congress of Genetic Disorders & Disabilities, Tehran, Iran (Poster Presentation)

65) Ostadsharif, M., Ghaedi, K. & Nasr-Isfahani, M.H. (19 December 2007) Peroxisomes: their functions and related disorders. The Third Prefectural Symposium of New Topics in Nursery and Midwifery, Isfahan, Iran (poster presentation)

66) Eghbal-Saeed, S., Ghaedi, K., Nasr-Esfahani, MH., Hosseini, M., Tanhahii, S., Foruzanfar, M., Hajian, M., Rabiee, F. & Mozaffari, NA (16-18 December, 2007) An investigation on DNA uptake by Iranian Holstein bull sperms . The third Symposium of New Idea in Agriculture, Isfahan, Iran (Oral presentation)

67) Nazari Jahantigh, M., Ghaedi, K., Tanhayii, S., Ostadsharif, M., Razavi,

S., Nasr-Isfahani, M.H., Baharvand, H., Rabiei, F. & Miroliaei, M. (6-9 February, 2008) Construction of expression vector carrying mouse peroxisomal protein gene (PeP) with Flag label. 3rd Iranian Student Conference on Nano Technology, Shiraz, Iran (poster presentation)

68) Nazari Jahantigh, M., Ghaedi, K., Tanhaei, S., Nasr-Isfahani, M.H., Baharvand, H., Karbalaei, K. & Miroliaei, M. (6-7 February, 2008) Construction and transient expression of Flag-PeP (mouse Peroxisomal Protein gene) chimeric DNA in CHO stem cells. 2nd International Biology Congress, Tehran, Iran (Oral presentation)

69) Ostadsharif, M., Ghaedi, K., Razavi, S., Tanhayii, S., Nazari, M., Nasr-Esfahani, M.H., Parivar, K., Baharvand, H., and Rabiee, F. (6-9 February, 2008) An approach of site directed mutagenesis PCR for construction of nano particles pep cDNA mutants. 3rd Iranian Student Conference on Nano Technology, Shiraz, Iran (poster presentation)

70) Mobini-Dehkordi , M., Nahvi , I., Zarkesh , H., Ghaedi , K., and Tavassoli, M. (6-9 February, 2008) Genetic constructs design in nano scale for gene deleting purposes in yeast. 3rd Iranian Student Conference on Nano Technology, Shiraz, Iran (poster presentation)

71) Ghaedi,K., Fujiki, Y. (13-15 April, 2008) Isolation and Characterization of a novel CHO cell mutant defective in peroxisome biogenesis factor, *PEX16*, containing aberrant huge peroxisome. The Second International Conference of Medical Genetics in Kuwait, Kuwait City, Kuwait (Oral presentation)

72) Ghaedi, K. (24 May 2008) Molecular Characterizations of Peroxisome Biogenesis Disorders. Molecular Genetic Disorder Symposium, Isfahan, Iran (Oral presentation)

73) Ghaedi, K., Shafeghati, Y., Fujiki, Y. (21-23 May, 2008) Molecular and Clinical Aspects of Peroxisomal diseases. 10th Iranian Genetics Congress, Tehran, Iran (Oral presentation)

74) Ostadsharif, M., Ghaedi, K., Nasr-Isfahani, M.H., Tanhaei, S., Karbalaeei, K. (21-23 May, 2008) Construction of several truncated forms of murine PEP cDNA fused with EGFP under regulation of CMV promoter and their transfections into mammalian cells. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

75) Dormiani, K., Khazaie, Y., Ghaedi, K., Nasr-Isfahani, M.H. (21-23 May, 2008) Cloning of tissue plasminogen activator (t-PA) coding sequence into an appropriate tissue specific vector for expression of related recombinant protein into the milk of transgenic livestock. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

76) Salamyian, A., Nasr-Isfahani, M.H., Ghaedi, K., Tavallayie, M., Razavi, S., Tanhaei, S., Tavallayie, M. (21-23 May, 2008) SNP analysis of protamine genes in infertile men population. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

77) Eghbal-Saeed, S., Ghaedi, K., Nasr-Esfahani, M.H., Hosseini, M., Mozaffari, N.A. (21-23 May, 2008) Enhance bovine sperm transfection efficiency using chemical methods. 10th Iranian Genetics Congress, Tehran, Iran (Oral presentation)

78) Ghasemi, S., Ghaedi, K., Nazari Jahantigh, M. (21-23 May, 2008) Plasmid extraction for mouse PPAR gamma cDNA cloning. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

79) Ghaedi, K., Tanhaei, S., Karbalaayee, K., Razavi, S., Nasr-Isfahani, M.H. (21-23 May, 2008) Cloning of mouse peroxisomal protein cDNA. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

80) Ghaedi, K., Fujiki, Y. (21-23 May, 2008) Isolation and Characterization of a novel CHO cell mutant defective in peroxisome biogenesis factor, *PEXI6*, containing aberrant huge peroxisome. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

81) Ghaedi, K., Fujiki, Y. (21-23 May, 2008) Targeting signal domain

analysis of Pex3p: Topogenesis and functional role in peroxisomal sorting of Pex3p. 10th Iranian Genetics Congress, Tehran, Iran (Poster presentation)

82) Ghaedi, K., Fujiki, Y. (31 May-3 June, 2008) Isolation and characterization of anovel CHO cell mutant defective in peroxisome biogenesis factor, *PEX16*, containing aberrant huge peroxisomes. European Human Genetics Conference, Barcelona, Spain (Poster presentation)

83) Ostadsharif, M., Ghaedi, K., Tanhaei, S., Karbalaeei, K., Nasr-E-Esfahani, M. (31 May-3 June, 2008) Cloning and construction of mouse *PEP* cDNA chimera with EGFP under regulation of CMV promoter. European Human Genetics Conference, Barcelona, Spain (Poster presentation)

84) Ghaedi, K., Fujiki, Y. (28 June-3 July, 2008) Targeting signal domain analysis of Pex3p: topogenesis and functional role in peroxisomal sorting of Pex3p. 33rd Congress & 11th IUBMB Conference, Athens, Greece (Poster presentation)

85) Dastjerd, H., Emami, SH., Ghaedi, K. (19-21 August 2008) Study and comparison of alpha-amylase production in parental and mutant strain of *Bacillus licheniformis*. The 15th National & Third International Conference of Biology, Tehran, Iran (Poster presentation)

86) Ghasemi, S., Ghaedi, K., Nasr-E-Esfahani, MH., Esmaeili, A., Tanhaei, S., and Rabiee, F. (19-21 August 2008) SOE PCR technique in PPARgamma cDNA proliferation. The 15th National & Third International Conference of Biology, Tehran, Iran (Oral presentation)

87) Mojbafan, M., Ghaedi, K., Razavi, S., Tanhaei, S., Karamali, F., Rabiee, F. & Nasr-E-Esfahani, MH. (19-21 August 2008) Profile analysis of peroxisomal marker gene expression comparing with OCT4 and Nanog during neural differentiation of P19 cells. The 15th National & Third International Conference of Biology, Tehran, Iran (Poster presentation)

88) Yari, L., and Ghaedi, K. (24-25 August, 2008) The basis of gene trapping and its techniques. National Scientific Meeting of Young Biologists, Khorramabad, Iran (Oral presentation)

89) Dormiani, K., Khazaie, Y., Ghaedi, K., Nasr-E-Esfahani, MH., Mir Mohammad Sadeghi, H. (27-29 August 2008) molecular construction of tenecteplase coding sequence in order to express of its product (as thrombolytic agent) in the milk of a transgenic livestock. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Oral presentation)

90) Eghbalsaied, Sh., Ghaedi, K., Nasr-E-Esfahani, MH., Mozafari, NA (27-29 August 2008) Lipofactamine does not enhance bovine sperm transfection efficiency. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Oral presentation)

91) Tanhaei, S., Ghaedi, K., Karbalaei, Kh., Razavi, Sh., Nasr-E-Esfahani, MH., Rabiee, F., Baharvand, H. (27-29 August 2008) Peroxisomal protein cDNA cloning: toward understanding of its molecular aspects. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Oral presentation)

92) Mojbafan, M., Ghaedi, K., Razavi, S., Tanhaei, S., Karamali, F., Rabiee, F. (27-29 August 2008) Profile analysis of peroxisomal marker gene expression comparing with OCT4 and Nanog during neural differentiation of P19 cells. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Poster presentation)

93) Nasr-E-Esfahani, MH., Tanhaei, S., Karbalaei, Kh., Ostadsharif, M., Ghaedi, K., Parivar, K., Ostadsharif, M. (27-29 August 2008) Intracellular sorting analysis of murine PeP in P19 cells. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Poster presentation)

94) Nazari Jahantigh, M., Ghaedi, K., Nasr-Isfahani, M.H., Tanhaei, S.,

Rabiee, F., Karbalaeei, Kh., Nematollahi, M., Ostadsharif, M., Baharvand, H., & Razavi, Sh. (27-29 August 2008) Construction of expression vectors carrying mouse peroxisomal protein gene (PeP) with GST and Flag labels and transgenic transfection of pUcD3/Flag-PEP eukaryotic expression vector in CHO and P19 cells. Royan International Twin congress: 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran (Poster presentation)

96) Eghbalsaid, S., Ghaedi, K., Nasr-e-Esfahani M.H., Mozafari N.A. (12-17 July 2008) Chemical treatment of bovine spermatozoa to enhance transfection efficiency. XX International Congress of Genetics, Berlin, Germany (Poster presentation)

97) Tanhaei, S., Ghaedi, K., Nasr-Esfahani, M., Parivar, K. and Ostadsharif, M. (7-10 October 2008) An investigation on intracellular sorting domain of mouse PeP. The 9th International Congress on Cell Biology, Seoul, Korea (Poster presentation)

98) Owlansj, H., Valian-Borujeni, S. & Ghaedi, K. (8-9 October 2008) Usage of bioinformatics sources in cloning of promoter cis-element regions of human phenylalanine hydroxylase gene .Second Iranian Conference on Bioinformatics, Tehran, Iran (Oral presentation)

99) Owlansj, H., Valian-Borujeni, S. & Ghaedi, K. (16-17 October 2008) Cloning of Phenylalanine hydroxylase gene promoter. The first National Conference of Student Biology and Modern World, Gorgan, Iran (Oral presentation)

100) Mojbafean, M., Ghaedi, K. (10-11 November 2008) Stem cell applications for neurological disorders. The first Congress of cytotechnology & its applications, Mashhad, Iran (Poster presentation)

101) Owlansj, H., Valian-Borujeni, S. & Ghaedi, K. (18-21 November 2008) Recognition of promoter Cis-element regions of human phenylalanine Hydroxylase gene via cloning in Escherichia coli JM109. NZMS Conference 2008, Canterbury, Newzealand (Poster presentation)

102) Yari, L., Ghaedi, K. (10-11 November 2008) The basis and techniques of gene trapping and its last progresses. The first Congress of cytotechnology & its applications, Mashhad, Iran (Poster presentation)

103) Ghaedi, K., Shafeghati, Y. (26-28 November 2008) Diagnosis of human peroxisomal biogenesis disorders: Molecular understanding of peroxisome biogenesis and functions. 2nd Iranian Annual Neurogenetic Congress, Tehran, Iran (Oral presentation)

104) Mojbafan, M., Ghaedi, K., Razavi, Sh. & Nasr-Esfahani, M., (16 December 2008) Establishment of a Stable cell line with PTS2-EGFP. The 4th Prefectural Symposium of New Topics in Nursery and Midwifery, Isfahan, Iran (Oral presentation)

105) Ostadsharif, M., Ghaedi, K., Nasr-Esfahani, M. (16 December 2008) Construction of several mutants in murine PEP cDNA and transfection in to CHO-K1 cells. The 4th Prefectural Symposium of New Topics in Nursery and Midwifery, Isfahan, Iran (Poster presentation)

106) Yari, L., Ghaedi, K., Tanhaie, S., Rabiee, F., Nasr-Esfahani, M., Houshmand, M. and Zaker, R (2-3 March 2009) Purification of recombinant PEP protein from bacterial BL21 cells. The First Regional Conference of Biology and Biotechnology, Sanandaj, Iran (Poster presentation)

107) Ghasemi, S., Ghaedi, K., Nasr-Esfahani, M.H., Esmacili, A., Tanhaei, S., and Rabiee, F., Karbalayi, K. and Baharvand, H. (2-3 March 2009) PPARgamma cDNA transfection into the bovine fibroblast cells by lipofection method. The First Regional Conference of Biology and Biotechnology, Sanandaj, Iran (Poster presentation)

108) Yari, L., Ghaedi, K., Tanhaei, S., Rabiee, F., Nasr-Esfahani, M.H., Houshmand, M., and Zaker, R. (21-23 April 2009) Culture Condition Optimizing of Ecoli Competent (BL21) cells for Recombinant peroxisomal protein (PEP) Expression. 10th National Congress of Microbiology, Ilam, Iran (Poster presentation)

109) Yari, L., Ghaedi, K., Tanhaei, S., Rabiee, F., Houshmand, M., Zaker, R., Nasr-Esfahani, M.H. and Baharvand, H. (23-24 April 2009) Induction of BL21 competent cells for expression and purification of recombinant peroxisomal protein (PEP). The second Iranian Proteomics Congress, Tehran, Iran (Poster presentation)

110) Shabani, K.H., Ghaedi, K., Nasr-Esfahani, M.H., Tanhaei, S. and Valian Borujeni, S. (15-16 July 2009) Real time PCR data analysis of β -tubulin gene expression in mouse embryonic stem cells. National Symposium of Biology Students, Sharekord, Iran (Oral Presentation)

111) Ghasemi, S., Ghaedi, K., Nasr-Esfahani, M.H. & Esmaeili, A. (15-16 July 2009) Functions and molecular basis of PPARs transcriptional factor in human. National Symposium of Biology Students, Sharekord, Iran (Poster Presentation)

112) Kojouri, R., Zarei, M., Ghaedi, K., Esmaeili, A & Madani, H. (15-16 July 2009) Behavioral study in spinal cord injured rats. National Symposium of Biology Students, Sharekord, Iran (Poster Presentation)

113) Zarei, M., Kojouri, R., Esmaeili, A., Ghaedi, K., & Madani, H. (28-30 July 2009) Expression analysis of 3 gene indicators of movement function in spinal cord transcetional injured rats. The 6th Symposium of Clinical Veterinarians of Iran, Tabriz, Iran (Poster Presentation)

114) Yari, L., Ghaedi, K., Tanhaei, S., Rabiee, F., Nasr-Esfahani, M.H., Houshmand, M., Zaker, R. & Baharvand, H. (13-15 August 2009) Purification of Recombinant PEP Protein linked with GST tag from Bacterial BL21 cells trough Glutathione sepharose. The 6th Iranian Congress of Biotechnology, Tehran, Iran (Poster Presentation)

115) Eghbalsaid, S., Oback, B., Laible, G., Ghaedi, K., Nasr-e-Esfahani M.H., Mozafari N.A. (9-12 September 2009) Bovine Blastocysts Produced by Sperm-mediated Gene. 13th Conference of the European Society of Domestic Animal Production (ESDAR), Ghent, Belgium (Oral Presentation)

116) Ghorbani Jarghouyeh, R., Khazaie, Y., Dormiani, K., Forouzanfar, M., Karbalaie, Kh., Karamali, F., Mematollahi, M., Ghaedi, K., Nasr Esfahani, M.H. and Rabbani, M. (23-25 September 2009) Construction of a plasmid containing attachment site (attB) sequence related to ϕ C31 integrase next to GFP cDNA with murine Oct4 promoter. 10th Congress on reproductive Biomedicine & 5th Congress on Stem Cell Biology and Technology, Tehran, Iran (Poster presentation)

117) Mojbafan, M., Ghaedi, K., Razavi, Sh., Tanhaei, S., Karamali, F., Rabiee, F. & Nasr-Esfahani, M.H. (23-25 September 2009) Gene expression of Catalase during neural differentiation of P19 cells. 10th Congress on reproductive Biomedicine & 5th Congress on Stem Cell Biology and Technology, Tehran, Iran (Poster presentation)

118) Ostadsharif, M., Ghaedi, K., Nasr Esfahani, M.H., Tanhaei, S. and Karabalie, Kh. (23-25 September 2009) Induction of PEP gene expression by retinoic acid during mouse embryonic stem cell neurogenesis. 10th Congress on reproductive Biomedicine & 5th Congress on Stem Cell Biology and Technology, Tehran, Iran (Poster presentation)

119) Yari, L., Ghaedi, K., Tanhaei, S., Rabiee, F., Nasr Esfahani, M.H., Houshmand, M., Zaker, R. & Baharvand, H. (23-25 September 2009) Analysis and production of recombinant peroxisomal protein (PEP). 10th Congress on reproductive Biomedicine & 5th Congress on Stem Cell Biology and Technology, Tehran, Iran (Poster presentation)

120) Ghaedi, K., Yari, L., Tanhaei, S., Rabiee, F., Nasr Esfahani, M.H., Houshmand, M., Zaker, R. (16-19 November 2009) Production of recombinant peroxisomal protein (PEP) by construction of GST-PEP. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

121) Ghasemi, S., Ghaedi, K., Nasr Esfahani, M.H., Tanhaei, S., Rabiee, F., Karbalaie, Kh., Baharvand, H. and Esmaeili, A. (16-19 November 2009) Cloning of

mouse PPAR γ 1 cDNA into pEGFP-C1. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

122) Ostadsharif, M., Ghaedi, K., Nasr Esfahani, M.H., Tanhaei, S., Karabalie, Kh. and Rabeei, F. (16-19 November 2009) RA induced PeP elevation during P19 cell neural differentiation. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

123) Ghaedi, K. and Fujiki, Y. (16-19 November 2009) Isolation of membrane peroxins complex with pull down assay approach. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

124) Khazaie, Y., Ghorbani Jarghouyeh, R., Ghaedi, K., Dormiani, K., Forouzanfar, M., Karbalaie, Kh., Karamali, F., Mematollahi, M., Nasr Esfahani, M.H. and Rabbani, M. (16-19 November 2009) Efficient transfection of mouse stem cells with a new constructed plasmid containing attachment site (attB) sequence related to ϕ C31 integrase and OC4 promoter by phage integration system. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Oral presentation)

125) Dormiani K., Khazaie, Y., Ghaedi, K., Nasr Esfahani, M.H., Forouzanfar, M. and Mir Mohammad Sadeghi, H. (16-19 November 2009) Molecular construction of tenecteplase coding sequence and expression of its protein as a thrombolytic agent in CHO cell line. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

126) Mojibafan, M., Ghaedi, K., Razavi, Sh., Tanhaei, S., Karamali, F., Rabeei, F. & Nasr-Esfahani, M.H. (16-19 November 2009) Gene expression of PEX3 during neural differentiation of p19 cells. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular

Biology, Tehran, Iran (Poster presentation)

127) Ghaedi, K. and Shafeghati, Y. (16-19 November 2009) Molecular basis of peroxisomal biogenesis disorder. 10th Iranian congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Tehran, Iran (Poster presentation)

128) Shabani, K.H., Ghaedi, K., Nasr-Esfahani, M.H., Tanhaei, S. and Valian Borujeni, S. (16-19 November 2009)

Books Published:

- 1) Movahedian, A., Ghaedi, K., Khademizadeh, M., Biochemistry, Medical Examination Review, 2300 Multiple Choice Questions with Referenced explanatory Answers. Golbon publication, Isfahan, Iran (2007).**
- 2) Ghaedi, K., Roghanaian, R., Aftabi, Y., Fatahi, M., Molecular Genetics of Bacteria. (Persian Translation) University of Isfahan publication, Isfahan, Iran (2009)**
- 3) Khademizadeh, M., Movahedian, A., Ghaedi, K. Peroxisome and Peroxisomal disorders. Kankash publication, Isfahan, Iran (2011).**

Findings & Patents:

- 1) Cloning of Rat *PEX3* cDNA, GenBank Data base accession No. AB035306**
- 2) Cloning of Human *PEX3* cDNA, GenBank Data base accession No. AB035307**
- 3) Cloning of CHO *PEX3* cDNA, GenBank Data base accession No. AB035308**
- 4) Cloning of CHO *PEX7* cDNA, GenBank Data base accession No. AB042621**
- 5) Human *PEX3* gene mutation analysis, on line Mendelian Inheritance in Man MIM 603164**
- 6) Cloning of Rat *PEX14* cDNA, GenBank Data base accession No. AB017544**

- 7) Cloning of Human *PEX14* cDNA, GenBank Data base accession No. AB017546
- 8) Cloning of CHO *PEX14* cDNA, GenBank Data base accession No. AB017545
- 9) Cloning of Human *PEX19* cDNA, GenBank Data base accession No. AB018541

Scientific Boards membership

a) Journals

- 1) Iranian Journal of Fertility & Sterility, Tehran, Iran (Editorial board)
- 2) Research in Pharmaceutical Sciences Journal, Isfahan, Iran (Editorial board)

b) Congress & Awards committee memberships:

- 3) The Eighth Royan International Research Award 2007 Tehran, Iran (Juries Committee)
- 4) 7th International Congress on Reproductive Biomedicine & 2nd International Congress on Stem Cell Biology & Technology 2006, Tehran, Iran (Scientific Committee)
- 5) 8th International Congress on Reproductive Biomedicine & 3rd International Congress on Stem Cell Biology & Technology, Tehran, Iran 2007 (Scientific Committee)
- 6) The 9th Iranian Congress of Biochemistry & The 2nd International Congress of Biochemistry and Molecular Biology 2007, Shiraz, Iran (29 October - 1 November, 2007) (Juries Committee)
- 7) 9th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran 2008 (Scientific Committee)
- 8) The 9th Royan International Research Award 2008 Tehran, Iran (Juries Committee)
- 9) The 9th Royan International Research Award 2008 Tehran, Iran (Juries Committee)
- 10) The 10th Royan International Research Award 2009 Tehran, Iran (Juries Committee)

Committee)

- 11) The 11th Royan International Research Award 2010 Tehran, Iran (Juries Committee)**
- 12) 10th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran 2009 (Scientific Committee)**
- 13) 11th International Congress on Reproductive Biomedicine & 4th International Congress on Stem Cell Biology & Technology, Tehran, Iran 2010 (Scientific Committee)**

c) Workshops

- 14) The First Workshop of Practical Mammal Cell Culture & Transfection (26-28 April, 2006) Isfahan, Iran (Scientific Board & Invited Speaker)**
- 15) 5th International Workshop on Application of Advanced Molecular Methods for Diagnosis of Human Genetic Diseases (7-9 March, 2007) Tehran, Iran (Invited Speaker)**
- 16) Training Workshop of Human Genes Cloning Techniques. (9-10 May, 2007) Isfahan, Iran (Co-Organizer & Speaker)**
- 17) 2nd Workshops of Bovine IVP-ET Along With Cloning Workshop (14-17 August, 2007) Isfahan, Iran (Invited Speaker)**
- 18) Training Workshop of Mouse Stem Cell Culture and its differentiation to Neural Cells (1-2 January, 2009) Isfahan, Iran (Invited Speaker)**
- 19) Training Workshop of Mouse Stem Cell Culture and its differentiation to Neural Cells (29-30 January, 2009) Isfahan, Iran (Invited Speaker)**
- 20) Training Workshop of PCR Techniques and Primer Design. (25 April 2009) Isfahan, Iran (Scientific Organizer)**
- 21) Training Workshop of Mammalian Gene Cloning and Cell Transfection. (26-27 April 2009) Isfahan, Iran (Scientific Organizer)**
- 22) Training Workshop of Mouse Stem Cell Culture and its differentiation to**

Neural Cells (28-29 April, 2009) Isfahan, Iran (Invited Speaker)

c) Scientific Associations

13) Iranian Society of Biology (Continuous Member)

14) Iranian Genetic Society, Animal & Human Branch (Continuous Member)

Research Grants Awarded

- 1) Investigation on genetic factors required for peroxisome biogenesis during the differentiation of nerve cells. (Royan Institute, Tehran, Iran) August 2006, (3 years), 300 million Rials**
- 2) Cloning & functional assessment of mouse peroxisomal protein (PeP) cDNA. (The University of Isfahan, Isfahan, Iran) January 2007, Reg. No. 851017, (2 years), 70 million Rials**

Research Projects

- 1) Analysis of Peroxisomal protein gene expression and its involvement in neural differentiation**
- 2) Study on peroxisome involvement in neural differentiation of mouse embryonic stem cells.**
- 3) Analysis of PPAR γ (Peroxisome proliferator activated receptor γ) in neural differentiation of mouse embryonic stem cells.**