

Structure of CV/résumé

1. Personal details:

- Name: **Hakimeh Zali**
- address : **School of Advanced Technologies in Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran**
- telephone number :02122439848
- email address: h.zali@sbmu.ac.ir

2. Employment history:

-Teaching experience (expert in Data mining and teaching molecular cell biology, industrial proteomics, clinical proteomics and bioinformatics for 7 years)(2008 up to now) in Shahid Beheshti University of Medical Science, Paramedical faculty, Ghods Sq., Darband St. Tehran, Iran Tell: (+9821) 22718505.

-Research Assistant (Cell Culturing & proteomics techniques) (September 2007- January 2009) Proteomics research center, Shahid Beheshti University of Medical Science, Paramedical faculty, Ghods Sq., Darband St. Tehran, Iran Tell: (+9821) 22714248.

-Research Assistant (Cell Culturing) (May 2006-april 2007) Skin research center, Shahid Beheshti University of Medical Science, Shohada Hospital, tagrish Sq., Tehran, Iran Tell: (+9821) 22744392-5

-Research Assistant (Cell Culturing) (July 2005-sebtember 2006) National Cell Bank of Iran (NCBI), Pasteur Institute of Iran, Pasteur St., Tehran, Iran Tell: (+9821) 66492595.

-Research Assistant (Diagnosis of shrimp diseases, its histology, tissue staining fungal and bacterial culturing and marine microscopic animals characterization) (July-October 1999& July-October2000) Biotechnology department of reasserting center of shrimp of Iran, Boushehr , Iran Tell: (+98771) 66492595

3. Education and qualifications:

PhD, Applied Proteomics (2008-2014), Study of Lavandula angustifolia on treatment of alzheimeric mice, at Faculty of Paramedical Sciences, Shahid Beheshti Medical University, Tehran, Iran

MSc, Molecular Cell Biology (2003-2006), Purification of Human Calprotectin from Notrophill and Evaluatation of Mechanism of Cellular Death on human gastric cancer, khatam University, Tehran, Iran

BSc, Marine Biology (1998-2002), Department of marine Biology, Faculty of Marine Science, Shahid Chamran University, Ahvaz, Iran;

4. Any other skills, achievements, or training:

Membership:

Iranian Proteomics Society

Iranian Society of Clinical Proteomics

Iranian Association of Medical Biotechnology

Publication

Biology Text Book: Farhang, Tehran, Iran 2006, Mostafa Rezaei-Tavirani, Said Hesami Takalo, Amir Amiri Yekta, Elham Khazaii, **Hakimeh zali** and Ferdoos Rastegari Jazi.

Courses

Molecular cell biology, industrial proteomics, clinical proteomics and bioinformatics

IT qualifications

Office, endnote, R, cytoscape

Foreign language

Farsi, English, French

5. Research Interests:

Proteomics, system biology, tissue engineering

6. Full articles:

1-**Hakimeh Zali**, Mona Azodi Zamanian, Mostafa Rezaei Tavirani and Alireza Akbar-zadeh Baghban, "Protein Drug Targets of Lavandula Angustifolia on treatment of Rat Alzheimer's Disease" Iranian Journal of Pharmaceutical Research (2015), 14 (1): ?-?

2- **Hakimeh Zali**, Mostafa Rezaei Tavirani "Meningioma Protein-Protein Interaction Network" Archives of Iranian medicine. 04/2014; 17(4):262-72.

3-Masoud Soheili, Mahmoud Salami, Amirhossein Haghiri, **Hakimeh Zali**, Mostafa Rezaei Tavirani "Aqueous Extract of Lavandula Angustifolia Alter Protein Expression in Alzheimer Rats" Journal of Reports in Pharmaceutical Sciences (J. Rep. Pharm. Sci.) Vol 3, No 1 (2014): JRPS

4-Mostafa Rezaei-Tavirani, Samaneh Sadat Seyyedi, **Hakimeh Zali**, Saeid Heydari Keshel, Majid Jadidi, Ali Abedelahi, Hadi Hasanzadeh "Effect of ELF-EMF Exposure on Human Neuroblastoma Cell Line: a Proteomics Analysis" Iranian Journal of Cancer Prevention 02/2014; 7(1):22-27.

5-Mostafa Rezaei-Tavirani, **Hakimeh Zali**, "Proteins expression clustering of Alzheimer disease in rat hippocampus proteome" Journal of Paramedical Sciences (JPS) Summer 2013 Vol.4, No.3 ISSN 2008-4978

6-Mona Zamanian-Azodi, Mostafa Rezaei-Tavirani, Amir Mortazavian, Reza Vafaei, Majid Rezaei-Tavirani, **Hakimeh Zali**, Masoud Soheili- Kashani "Application of Proteomics in Cancer Study" American Journals of Cancer Science 2013; 2:116-133.

7-**Hakimeh Zali**, Mostafa Rezaei-Tavirani, Reza Vafaei, Majid Rezaei-Tavirani "Gastric cardia adenocarcinoma pathway analysis" Gastroenterology and Hepatology From Bed to Bench. 2013; 6.

- 8- Mehdi Pooladi, Sara Sobhi, Solmaz Khaghani Razi Abad, Mehrdad Hashemi, Afshin Moradi, Ali Reza Zali, Masoumea Mousavi, **Hakimeh Zali**, Mona Zamanian Azodi, Azadeh Rakhshan, Mostafa Rezaei-Tavirani "The Investigation of Heat Shock Protein (HSP70) Expression Change in Human Brain Astrocytoma Tumor" Iran J Cancer Prev 2013; Suppl.6-11.
- 9-**Hakimeh Zali**, Mostafa Rezaei Tavirani, Farid Azizi Jalilian, Reza Khodarahmi "Proteins expression clustering of Alzheimer disease in rat hippocampus proteome" Journal of Paramedical Sciences (JPS) 2013; Vol.4, No.3.
- 10-Solmaz Khaghani Razi Abad, Mehdi Pooladi, Mehrdad Hashemi, Afshin Moradi, Sara Sobhi, Alireza Zali, Masoumea Mousavi, **Hakimeh Zali**, Mona Zamanian Azodi, Azadeh Rakhshan, Reza Vafaei, Mostafa Rezaei-Tavirani "Rho GDP Protein Expression Change and Investigation of Its Effect on GDP/GTP Cycle in Human Brain Oligodendroglioma" Iran J Cancer Prev 2013; 1(Suppl.):24-9.
- 11-Mohammad Rahmati Roodsar, **Hakimeh Zali** " Skin cancer: BCC, SCC, MM and KS (a term of 7 years in Loghman Hakim Hospital)" Journal of Paramedical Sciences (JPS) 2013; Vol.4, No.3.
- 12- Mohammad Reza Koushki, Mehrdad Mohammadi, Nasrin Haji Seyed Javadi, Rozita Komeily, Masoumeh Moslemy, Fariba Seyed Ahmadian, **Hakimeh Zali** "The influence of freezing conditions on the organoleptic attributes of Iranian leafy vegetable foods" Journal of Paramedical Sciences (JPS) Supplement, 2013;4.
- 13- Rahmati Roodsari M, Gorgzadeh L, **Zali H**. "Cause, clinical course and complications in patients with Stevens- Johnson syndrome and Toxic Epidermal Necrolysis". Pejouhesh. 2013; 36 (5) :66-71.
- 14-**H Zali** , R Amini , R Shiri Haris " Gene Expression Analysis of Leukemia Microarray Data By DAVID Program " Scientific Journal of Ilam University of Medical Science, 2013(2).
- 15-**Zali H**, Soheili Kashani M, Vafaei R, Rostaminy L "Expression Clustering of Proteins of Alzheimeric and Normal Rat Hippocampus Treated with Lavandula Angustifolia " Scientific Journal of Ilam University of Medical Sciences. 2013;21(2).
- 16-Masoumeh Faraji, Masoud Ahmadzadeh, Keivan Behboudi, Seyed Mahmoud Okhovvat, Michelina Ruocco, Matteo Lorito, Mostafa Rezaei-Tavirani, **Hakimeh Zali** "Study of proteome pattern of Pseudomonas fluorescens strain UTPF68 in interaction with Trichoderma atroviride strain P1 and tomato" JOURNAL OF PARAMEDICAL SCIENCES. 01/2013; 4:2008-4978.
- 17-**Zali H**, Rezaei Tavirani M, Heidarbigi Kh, Shahriarinoor M. "Network Analysis Methods for Interpreting Complex Phenotypes in Biological Networks" Scientific Journal of Ilam University of Medical Science 2013;20(4):232-242.
- 18-**Zali H**, Rezaei Tavirani M, Pakzad I. "Proteomic Study of Rat Hippocampus in Treatment of Lavandula Aqua Extract" Scientific Journal of Ilam University of Medical Science 2013;20(4):22-31.

- 19-**Hakimeh Zali**, Mona Zamanian-Azodi, Mohamad Ali Shokrgozar, Mostafa Rezaei-Taviran "Cytotoxic effects of human calprotectin on gastric cancer cell line is attenuated by etoposide" *Gastroenterology and Hepatology From Bed to Bench* Vol 5, No 3 (2012)
- 20- Mona Zamanian- Azodi, Mostafa Rezaie-Tavirani, Saeid Heydari-Kashal, Shiva Kalantari, Sona Dailian, **Hakimeh Zali** "Proteomics analysis of MKN45 cell line before and after treatment with Lavender aqueous extract" *Gastroenterology and Hepatology From Bed to Bench* 2012;5(1):35-42
- 21- **Hakimeh Zali**, Ghasem Ahmadi, Roza Bakhshandeh, Mostafa Rezaei-Tavirani " Proteomic analysis of gene expression during human esophagus cancer" *JPS*. 2011; 2(3):37-44
- 22-**Hakimeh Zali**, Mostafa Rezaei-Tavirani, Mona Azodi "Gastric cancer: prevention, risk factors and treatment" *Gastroenterology and Hepatology From Bed to Bench*. 2011;4(4):175-185
- 23-Moravej Farshi Hamideh, **Zali Hakimeh**, Rezaei-Tavirani Mostafa, Toossi Parviz, " Proteomic Analysis of Gene Expression in Basal Cell Carcinoma" *Iranian Journal of Dermatology*, 2010,Vol. 13, No. 54
- 24-Mostafa Rezaei-Tavirani, **Hakimeh Zali**, Ferdous Rastgar Jazii, Mohammad Hossain Heidari, Behrooz Hoseinzadeh-Salavati, Fatemeh Daneshi-Mehr, Kambiz Gilany, "Introducing aldolase C as a differentiation biomarker: A proteomics approach" *Journal of Paramedical Sciences*, 2010:Vol 1, No 1.
- 25- Nasim Yarandi, **Hakimeh Zali**, Mohammad Ali Shokrgozar, Vahid Mansouri, Minoo Shahani, Amin Rostami, Saeid Heidari"Study of apoptosis inducing activity of calprotectin on fibroblast cell" *Journal of Paramedical Sciences*, 2010:Vol 1, No 1.
- 26-Hamideh Moravvej, Mahnaz Mahmoodi Rad, **Hakimeh Zali**, Leila Nabai, Parviz Toossi" Establishment of a Primary Cell Culture of Human Fibroblast in Iran" *Iranian Journal of Dermatology* 2009,Vol. 12, No. 47.
- 27-Rezaei-Tavirani M, **Zali H**, Nasiri S, Shokrgozar, MM. "Human calprotectin, a potent anticancer with minimal side effect", *Iranian Journal of Cancer Prevention*,2009, , No 2:4, 183-188.
- 28-Marashi S-A, Rezaei-Tavirani M, **Zali H**, Shokrgozar MA "Mitochondrial DNA might be influenced in calprotectin-induced cell death" *Experimental and Clinical Sciences International online journal for advances in science Journal*, 2008;7:163-168.
- 29- Mostafa Rezaei-Tavirania, **Hakimeh Zali**, Layla Nabai, Parviz Toossi, Farhad Malek Zad and Yousof Pourkhoshbakht "A comparative study of Inhibitory effect of Human Calprotectin on the growth of Human gingival fibroblast and foreskin fibroblast" *Pakistan Journal of Biological Sciences*,2008,11(6):925-929.
- 30- **Hakimeh Zali**, Mostafa Rezaei-Tavirani, Amina Kariminia, Reza Yousefi and Mohamad Ali Shokrgozar, "Evaluation of Growth Inhibitory and Apoptosis Inducing Activity of Human Calprotectin on the Human Gastric Cell Line (AGS)" *Iranian Biomedical Journal*, Tehran Iran, 2008, 12 (1): 7-14.
- 31-Mohammad Ali Shokrgozar, **Hakimeh Zali**, Mostafa Rezaei-Tavirani, Amir Amanzadeh, "Comparison of two staining assays; trypan blue and MTT in vitro evaluation of human calprotectin proliferation inhibition on human gastric cancer cells" *Journal of kousar*, Tehran Iran, 2007, 14:34-9.
- 32- Mohammad Ali Shokrgozar, **Hakimeh Zali**, Mostafa Rezaei-Tavirani and Sayed Hasan Moghadamnia, "Evaluation of proliferation inhibition effect of human calprotectin on human gastric cancer cell line (AGS) in vitro". *Journal of Yakhteh*, Tehran Iran, 2007 ;(4):258-63.
- 33- **Hakimeh Zali**, Sayed-Amir Marashi, Mostafa Rezaei-Tavirani, Parviz Toossi, Mohammad Rahmati-Roodsari, Mohammad Ali Shokrgozar, "On the mechanism of apoptosis-inducing activity of human calprotectin: Zinc sequestration, induction of a signaling pathway, or something else? " *Medical Hypotheses*. 2007; 68(5):1012-5.

7. Abstracts:

1-**Hakimeh zali** "Proteomics approach: Protective effects of Lavandula Angustifolia against rat Alzheimer Disease", Sixth International Conference of Cognitive Science (ICCS 2015)

2-Masoumeh Farahani, Seyed-Omid Ranaei-Siadat, **Hakimeh Zali** "Autism spectrum disorder: From proteins to cognition" Sixth International Conference of Cognitive Science (ICCS 2015)

3-**Hakimeh zali** "Proteomics and corneal disease" The 5th Molecular and Regenerative Ophthalmology congress

4-**Hakimeh zali** "Systems Biology" The first student symposium on the role of basic science on health promotion Accepted as oral, march, 8, 2012, Tehran-Iran

5-Masoud Soheili Kashani, Mostafa Rezaei Tavirani, Mahmoud Salami, **Hakimeh Zali** "Aqueous extract of Lavandula angustifolia alter gene expression in Alzheimeric rats" The first student symposium on the role of basic science on health promotion march, 8, 2012, Tehran-Iran

6-**Hakimeh Zali** "Cancer Cells may be the Panacea to Therapy of Alzheimer Disease" The first student symposium on the role of basic science on health promotion march, 8, 2012, Tehran-Iran

7- **Hakimeh zali**, " Proteomics approach of human aging in vitro" The National Congress of Proteomics Accepted as oral, 2010, Shiraz-Iran

8-Maryam Ebrahimi, **Hakimeh zali**, Mostafa Rezaei-Tavirani, "Proteomics study of human fibroblasts exposed to Diabetic conditions in vitro ",The 10th Iranian Congress of Biochemistry & The 3rd International Congress of Biochemistry & Molecular Biology, Accepted as oral, 2009, Tehran-Iran.

9-Nasim Yarandi, **Hakimeh Zali**, Mostafa Rezaei-Tavirani, Mohammad Ali Shokrgozar, "Study of apoptosis inducing activity of calprotectin on fibroblast cell", The 10th Iranian Congress of Biochemistry & The 3rd International Congress of Biochemistry & Molecular Biology, Accepted as oral, 2009, Tehran-Iran.

10-Nasim Khazai, **Hakimeh Zali**, Mostafa Rezaei-Tavirani, " Similar proteins involve in progress of various skin disorders", The 10th Iranian Congress of Biochemistry & The 3rd International Congress of Biochemistry & Molecular Biology, Accepted as oral, 2009, Tehran-Iran.

11-Mostafa Rezaei-Tavirani, **Hakimeh Zali** ,Seyd Hassan Moghadamnia, Layla Nabai and Mohammad Ali Shokrgozar, "Introducing human calprotectin as a potent anticancer with minimal side effect", The 10th Iranian Congress of Biochemistry & The 3rd International Congress of Biochemistry & Molecular Biology, Accepted as oral, 2009, Tehran-Iran.

12- **Hakimeh Zali**, Amin Rostami, Saiid Heidari Kashloo, Mostafa Rezaei-Tavirani, "New Biomarkers in Human Basal Cell Carcinoma" , The 2nd International Congress and Annual Research Congress for student of Medical sciences, 24-26 May 2008, Mashhad-Iran .

13- **Hakimeh Zali**, Seyed Hassan Moghadamnia, Gholamreza Ardeshiri, Mansoore Barzegar, Mostafa Rezaei-Tavirani, Millad riazifar, Mohammad Ali Shokrgozar, , "Calprotectin as an anticancer agent", The 2nd International Congress and Annual Research Congress for student of Medical sciences, 24-26 May 2008, Mashhad-Iran .

14- **Hakimeh Zali**, Mostafa Rezaei-Tavirani, Hamideh Moravej Freshi, Ferdos Rastgar Jazi, Alireza Zali, Shiva Kalantari, "Proteomics Analysis Reduction of Ceruloplasmin & Induction of C3B expression during Basal Cell Carcinoma" The first Iranian Congress of Medical proteomics, February 2008, Tehran-Iran .

15- Mostafa Rezaei-Tavirani, **Hakimeh Zali**, Leyla Nabai, Ferdos Rastgar Jazi, "Expression of aldolase C as a housekeeping gene in fibroblast and astrocyte" , The first Iranian Congress of Medical proteomics, February 2008, Tehran-Iran .

16- Roghaye Rezaie Sadabadi, Mostafa Rezaei-Tavirani, **Hakimeh Zali**, Farhad Malek Zad, Seyed Hassan Moghadamnia, Mohammad Rahmatie Roodsari, Koorosh Saki, "Proteomics Analysis of Seborrhic

keratosis disease”, The first Iranian Congress of Medical proteomics, February 2008, Tehran-Iran .

17- Mostafa Rezaei-Tavirani, **Hakimeh Zali**, Parviz Toosi, Ferdos Rastgar Jazi, Mohammad Rahmatie Roodsari. “Different gene expression detection in stem cell and fibroblast by proteomics analysis”, The first Iranian Congress of Medical proteomics, February 2008, Tehran-Iran .

18- **Hakimeh Zali**, Mohamad Ali Shokrgozar , Sayeed Hasan Moghadamnia and Reza Yousefi, Mostafa Rezaei-Tavirani “Proliferation kinetics, an important factor in cell growth inhibitory effects of calprotectin and etoposide”, The 9th Iranian Congress of Biochemistry & The 2nd International Congress of Biochemistry & Molecular Biology, Accepted as poster, October 2007, Shiraz-Iran.

19- **Hakimeh Zali**, “Study on the Death Inducing Activity of Human Calprotectin and Etoposide (VP16) Against AGS-Cancer Cell”, The 9th Iranian Congress of Biochemistry & The 2nd International Congress of Biochemistry & Molecular Biology, Accepted as poster. October 2007, Shiraz-Iran.

20- **Hakimeh Zali**, “Drug resistance of human calprotectin on gastric cancer cell line in compare to the anticancer drugs”, The 9th Iranian Congress of Biochemistry & The 2nd International Congress of Biochemistry & Molecular Biology, Accepted as poster, October 2007, Shiraz-Iran.

8. Projects:

1-Study of interaction between Lavandula Angostifolia components and protein drug target of Alzheimer Disease, 2014

2- Proteomics and bioinformatics study of in situ and metastatic colon cancer2015

3- Proteomics study Leishmania Iranien species2015

4. Proteomics study of breast cancer cells (MDA-MB-231) incubated with secreted fluid derived from cultured human amniotic epithelial cells 2015

5. Studying the Proteomic Pattern of Cancerous Tissue in Patients with low grade serous ovarian cancer and comparing it with non-cancerous ovarian 2015

6. Determination of protein profile of human amniotic epithelial cells by proteomic approaches 2015

9. Theses: (Supervisor , Advisor)

2- Proteomics and bioinformatics study of in situ and metastatic colon cancer2015, Supervisor

3- Proteomics study Leishmania Iranien species2015, Advisor