
Education:

➤ *Ph.D.*

Clinical Biochemistry, 2003, Cancer Research lab, Clinical Biochemistry Dept., School of medical Sciences, Tabiat Modarres University, Tehran, Iran.

- *Prof. Fatemeh Karami Tehrani*, Cancer Research Lab, School of Medical Science, Tarbiat modares University, Tehran, Iran. E-mail, karamitf@modares.ac.ir, karamitf@yahoo.com

Dissertation: Tamoxifen induced caspase-3 dependent apoptosis in MCF-7 & MDA-MB468 breast cancer cell lines

➤ *M.Sc.*

Biology (sub-specialty: Biochemistry), 1996: Iran, department of biochemistry, Faculty of Science, Tarbiat Modares University, Tehran, Iran.

- *Prof. Fatemeh Karami Tehrani*, Cancer Research Lab, School of Medical Science, Tarbiat modares University, Tehran, Iran. E-mail, karamitf@modares.ac.ir, karamitf@yahoo.com

Dissertation: Prolactin receptor status in Iranian females with breast cancer and the effect of tamoxifen on hormone-receptor binding at *in vitro*

- *B.Sc. Medical Lab Technology*, School of Medical Sciences, Tabriz Azad University, Tabriz, Iran

Research projects and Doctorate or MSc theses supervised or advised (2004-14)

1. Stains induced gene expression changes in breast cancer stem cell line.
2. Gene expression changes in breast cancer stem cell line treated with newly synthesized Coumarins - Benzoxazole hybrid molecules.
3. Acetaminophen induced changes in miRNA profile of breast cancer stem cells.
4. Acetaminophen induced gene expression changes in breast cancer stem cell line.
5. Mechanism of necroptosis in Shikonin induced cell death.
6. Lipid metabolism in glucose deprived prostate cancer cell lines.
7. cGMP related signaling pathway in breast cancer cells.

8. Sulpride and Ciprofloxacin induced molecular injuries in male genital tissues.
9. Serum level of Leptin, B2MG and IL-18 in SLE patients.
10. Assessment of hypermethylation pattern in different promoters of estrogen receptor alpha in Iranian females with breast cancer
11. The role of apoptosis in organophosphorus related cellular injuries in the rat testicular cells.
12. Effects of Busrilin as a GnRH antagonist on apoptotic index of the rat testicular cells,.
13. Status of oxidative stress markers in patient with chronic renal failure before and after transplantation.
14. Evaluation of Scrapie susceptibility in sheep breeds in Urmia
15. Assessment of ADA activity and its isoenzymes in the Iranian females with breast cancer

List of Selected Publications: h-index =10

(<http://scholar.google.com/citations?user=xBvLj-cAAAAJ&hl=en>)

1. Zobeiri F, **Salami S**, Sadrkhanlou R, Peirouvi T. Role of mitochondria in ciprofloxacin-induced apoptosis in murine sperm cells. *Reprod Sci*. 2013 Sep;20(9):1090-5.
2. Aghdashi M, Aribi S, **Salami S**. Serum levels of IL-18 in Iranian females with systemic lupus erythematosus. *Med Arh*. 2013;67(4):237-40.
3. Zobeiri F, Sadrkhanlou RA, **Salami S**, Mardani K. Long-term effect of ciprofloxacin on testicular tissue: evidence for biochemical and histochemical changes. *Int J Fertil Steril*. 2013 Jan;6(4):294-303.
4. Zare-Abdollahi D, Safari S, Mirfakhraie R, Movafagh A, Bastami M, Azimzadeh P, Salsabili N, Ebrahimizadeh W, **Salami S**, Omrani MD. Mutational screening of the NR5A1 in azoospermia. *Andrologia*. 2014 Apr 20. doi: 10.1111/and.12274.
5. Shirpoor A, **Salami S**, Khadem Ansari MH, Ilkhanizadeh B, Abdollahzadeh N. Ethanol promotes rat aortic vascular smooth muscle cell proliferation via increase of homocysteine and oxidized-low-density lipoprotein. *J Cardiol*. 2013
6. Shirpoor Alireza, Norouzi Leila, **Salami S**, Khadem Ansari Mohammad-Hasan

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- Ilkhanizadeh Behrouz, Effects of vitamin E on pathological changes induced by diabetes in rat lungs, *Respiratory Physiology & Neurobiology*, 185, 3, 2013, 593 – 599
7. Alireza Shirpoor, Salami S., Mohammad Hassan Khadem-Ansari, Behnam Heshmatian, Behrouz Ilkhanizadeh, Long-term ethanol consumption initiates atherosclerosis in rat aorta through inflammatory stress and endothelial dysfunction, *Vascular Pharmacology*, Volume 57, Issues 2–4, September–October 2012, Pages 72-77
 8. Fallahian F, Karami-Tehrani F, Salami S. Induction of apoptosis by type I beta protein kinase G in the human breast cancer cell lines MCF-7 and MDA-MB-468. *Cell Biochem Funct* 2012;30(3):183-90.
 9. Ramezani F, Salami S., Omrani MD, Maleki D. CpG island methylation profile of estrogen receptor alpha in Iranian females with triple negative or non-triple negative breast cancer: new marker of poor prognosis. *Asian Pac J Cancer Prev* 2012;13(2):451-7.
 10. Aghaei M, Panjehpour M, Karami-Tehrani F, Salami S. Molecular mechanisms of A3 adenosine receptor-induced G1 cell cycle arrest and apoptosis in androgen-dependent and independent prostate cancer cell lines: involvement of intrinsic pathway. *J Cancer Res Clin Oncol* 2011;137(10):1511-23.
 11. Salami S., Zadeh RA, Omrani MD, Ramezani F, Amniattalab A. Allelic frequency and genotypes of prion protein at codon 136 and 171 in Iranian Ghezel sheep breeds. *Prion* 2011;5(3):228-31.
 12. Fallahian F, Karami-Tehrani F, Salami S., Aghaei M. Cyclic GMP induced apoptosis via protein kinase G in oestrogen receptor-positive and -negative breast cancer cell lines. *FEBS J* 2011;278(18):3360-9.
 13. Aghaei M, Karami-Tehrani F, Panjehpour M, Salami S., Fallahian F. Adenosine induces cell-cycle arrest and apoptosis in androgen-dependent and -independent prostate cancer cell lines, LNCap-FGC-10, DU-145, and PC3. *Prostate* 2012;72(4):361-75.
 14. Salami S., Ramezani F, Aghazadeh T, Afshin-Alavi H, Ilkhanizadeh B, Maleki D. Impact of triple negative phenotype on prognosis and early onset of breast cancer in Iranian females. *Asian Pac J Cancer Prev* 2011;12(3):719-24.
 15. Aghaei, M; Karami-Tehrani, F; Salami, S. Diagnostic Value of Adenosine Deaminase Activity in Benign and Malignant Breast Tumors, *Archives Of Medical Research* , 41(1), 14-18, 2010.

16. Peirouvi, T; **Salami, S**, GnRH agonist induces apoptosis in seminiferous tubules of immature rats: direct gonadal action, *ANDROLOGIA* , 42(4), 231-235 , 2010
17. Shirpoor, A., **Salami, S.**, Khadem-Ansari, M.H., Ilkhanizadeh, B., Pakdel, F.G., Khademvatani, K. Cardioprotective effect of vitamin E: rescues of diabetes-induced cardiac malfunction, oxidative stress, and apoptosis in rat *Journal of Diabetes and its Complications*, 23 (5), pp. 310-316, 2009.
18. Shirpoor, A., **Salami, S.**, Khadem-Ansari, M.H., Minassian, S., Yeghiazarian, M. Protective effect of vitamin e against ethanol-induced hyperhomocysteinemia, DNA damage, and atrophy in the developing male rat brain *Alcoholism: Clinical and Experimental Research*, 33 (7), pp. 1181-1186, 2009.
19. Shirpoor, A., Minassian, S., **Salami, S.**, Khadem-Ansari, M.H., Ghaderi-Pakdel, F., Yeghiazaryan, M. Vitamin E protects developing rat hippocampus and cerebellum against ethanol-induced oxidative stress and apoptosis, *Food Chemistry*, 113 (1), pp. 115-120, 2009.
20. Shirpoor, A., Minassian, S., **Salami, S.**, Khadem-Ansari, M.H., Yeghiazaryan, M. Alpha - lipoic acid decreases DNA damage and oxidative stress induced by alcohol in the developing hippocampus and cerebellum of rat, *Cellular Physiology and Biochemistry*, 22 (5-6), pp. 769-776, 2008,.
21. Nourmohammadian, F., **Salami, S**. Computational note on nine structural isomers of bioactive anthracenetetraone *Journal of Molecular Structure: THEOCHEM*, 861 (1-3), pp. 147-148, 2008 .
22. Shirpoor, A., Khadem Ansari, M.H., **Salami, S.**, Ghaderi Pakdel, F., Rasmi, Y. Effect of vitamin E on oxidative stress status in small intestine of diabetic rat, *World Journal of Gastroenterology*, 13 (32), pp. 4340-4344. 2007.
23. Aghaei, M., Karami-Tehrani, F., **Salami, S.**, Atri, M. Adenosine deaminase activity in the serum and malignant tumors of breast cancer: The assessment of isoenzyme ADA1 and ADA2 activities *Clinical Biochemistry*, 38 (10), pp. 887-891, 2005.
24. **Salami, S.**, Karami-Tehrani, F. Biochemical studies of apoptosis induced by tamoxifen in estrogen receptor positive and negative breast cancer cell lines) *Clinical Biochemistry*, 36 (4), pp. 247-253, 2003 .

25. Karami-Tehrani, F., **Salami, S.** Cell Kinetic Study of Tamoxifen Treated MCF-7 and MDA-MB 468 Breast Cancer Cell Lines, *Iranian Biomedical Journal*, 7 (2), pp. 51-56, 2003.
26. Karami-Tehrani, F., **Salami, S.**, Mokarram, P. Competition of tamoxifen with thyroxine for TBG binding: Ligand binding assay and computational data , *Clinical Biochemistry*, 34 (8), pp. 603-606, 2001.

List of Conferences Papers:

1. Salami, S. Aghazadeh , T, CpG isalands hypermethylation in Iranian patients with Breast Cancer, 2013, *The 3rd International Meeting of Clinical Epigenetics* , Solingen, Germany.
2. Ramezani F., Salami S., Aghazadeh T., Afshin-Alavi H., Ilkhanizadeh B, Mapping of CpG islands methylation of estrogen receptor alpha in Iranian Females with Breast Cancer, March 11 - 12, 2011, *The 1st International Meeting of Clinical Epigenetics* Homburg/Saar, Germany.
3. Nourmohammadian F., Salami S. The effect of hydralazine and related compunds on tamoxifen induced apoptosis in ER- breast cancer cell lines: Structure function relationship, Clinical Epigenetics, March 11 - 12, 2011, *The 1st International Meeting Clinical Epigenetics*, Homburg/Saar, German
4. Salami S., Karami-Teherani F., Aghaei M., Alavi A.H, ADENOSINE DEAMINASE ACTIVITY OF MALIGNANT BREAST TISSUES: LACK OF CORROLATION WITH C-Erb-B2, *20th International Congress of the Clinical Chemistry and Laboratory Medicine WorldLab*, Fortaleza 2008, Clin Chem Lab Med, 28 Sep-2 Oct 2008 Fortaleza, Brazil
5. Salami S., Maleki D., Ilkhanizadeh B., Mahmoodlou R., Motazakker M. , Ramezani F, ABERRANT HYPERMETHYLATION OF P16INK4A PROMOTER'S IN IRANIAN FEMALES WITH PRIMARY BREAST CANCER, *20th International Congress of the Clinical Chemistry and Laboratory Medicine*, WorldLab Fortaleza 2008, Clin Chem Lab Med, 28 Sep-2 Oct 2008, Fortaleza, Brazil
6. Khadem-Ansari M.H., Salami S., Taghizadeh- Afshari M., Sultan-Ahmadi , ASSESMENT OF BIOCHEMICAL MARKERS OF OXIDATIVE STRESS AFTER

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- AND BEFORE KIDNEY TRANSPLANTATION, **20th International Congress of the Clinical Chemistry and Laboratory Medicine**, Clin Chem Lab Med, M.28 Sep-2 Oct 2008, WorldLab Fortaleza 2008, Fortaleza, Brazil.
7. Salami, S.; Khadem-Ansari, M.H., Shirpoor, A, Vitamin E induced Melatonin secretion in diabetic rats: new aspect of vitamin E – melatonin collaboration, **17th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine (Euromedlab 2007)**, Clin Chem Lab Med,3-7 June, , 2007, Netherlands
 8. Khadem-Ansari, M.H.; Shirpoor, A; Salami, S, the assessment of Ginger triggered Melatonin secretion in streptozotocin-induced diabetic rats, **17th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine (Euromedlab 2007)**, Clin Chem Lab Med, 3-7 June, , 2007,Netherlands
 9. Salami, S.; Karami-Tehrani, F.; Aghaei, M; Alavi, A.H , Tissue P53 Positivity and Type 2 Adenosine Deaminase Activity: Correlating Factors of Breast Cancer, **17th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine (Euromedlab 2007)** , Clin Chem Lab Med, 3-7 June, , 2007,Netherlands
 10. Salami S, Nourmohammadian F, Yavari I, Karami-Tehrani F, **4th Eurasian meeting on heterocyclic chemistry**, 27-31 August,Thessaloniki, **Greece**, 2006.
 11. Aghaie M, Karami-Tehrani F, Salami S, 16th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine(EUROMEDLAB 2005), 8-12 May, Glasgow, UK, 2005.
 12. Nourmohammadian F, Yavari I, Salami S, 2004, , **Lecture Series on computer and computational sciences**, vol. 1, pp.1217, 19-23 November, **Greece**, 2004.
 13. Normohammadian F, Yavari I, Salami S, Mirhabibi, **Phosphorus, sulfur and Siliconsymposium (ISOXXI)**; 4-9 July, Madrid, **Spain**, 2004
 14. Fatemeh Karami-Tehrani, Siamak Salami, Majid Sirati Sabet, Morteza Atri, Mohammad Ali Mohagheghi, **St. gallen Oncology conferences, primary therapy of early breast cancer, 8th Int. conference, Switzerland**, 12-15 March 2003.
 15. Salami S, Karami-Tehrani F, **St. gallen Oncology conferences, primary therapy of early breast cancer, 8th Int. conference, Switzerland** ,12-15 March 2003.

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16. Karami-Tehrani F, Salami S; *ANNUAL MEETING of CLINICAL PHARMACOLOGY (AGAH)*; Upgrading classical test strategies for innovative drugs; Bonn, Germany, 23 – 25 February, 2003.
 17. Karami-Tehrani F., Salami S., *7th IUBMB Conference Receptor – Ligand Interactions, Grieghalln, Bergen, Norway*, May 2002.
 18. Karami-Tehrani F., Salami S., *14th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine(EUROMEDLAB 2001)*, Prague, Czech Republic, May, 2001.

Course thought:

- *Shahid Beheshti University of Medical Sciences(2011-ongoing):*
 - *Postgrad:* Clinical Biochemistry, Biochemistry of Parasites, Nanotechnology in Medicine, Molecular epidemiology.
 - *Undergrad:* Biochemistry for Medical Students, Dental students and Pharmacy Students.
- *Urmia University of Medical Science, Urmia, Iran(2006-2009):*
 - Postgrad. students: Membranes Biochemistry & signal transduction, Biochemistry of Tissues, Methods in Biochemistry, Clinical Biochemistry, General Biochemistry.
 - Undergrad. Students: Biochemistry for Medical Students, Midwifery and Nursing students,
 - Clinical and General Biochemistry for Lab Technicians
- *Shahid Beheshti University, Tehran, Iran(2004-2005)*
 - Postgrad. Students, Cancer Genetics, Department of Biology, Faculty of Science,
- *Ghazvin University of Medical Sciences and Tehran Payam Nour University (1996-2004)*
 - Undergrad. Students: Medical Biochemistry for Dentistry, Midwifery and Nursing Students,
 - Clinical and General Biochemistry for Lab Technicians
 - General Biochemistry for Biologists

Referees

- *Prof. Stephan Van Eeden*, UBC James Hogg Research Centre, Providence Heart + Lung Institute, St. Paul's Hospital and Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada, Stephan.vanEeden@hli.ubc.ca
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