

# M. Shekari

*Associate Professor, Department of Genetics, Faculty of Medicine,  
Hormozgan University of Medical Sciences, Bandar Abbas, IRAN*

## *CV (Curriculum Vitae)*

*Last updated Sept 2013*

### **A. Personal Information**

**First Name:** Mohammad

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### **B. Education**

<b>Degree</b>	<b>Field</b>	<b>Institution</b>	<b>City</b>	<b>Country</b>	<b>Date</b>
<b>Ph.D</b>	<b>Human Molecular Genetic</b>	<b>Punjab university</b>	<b>Chandigarh</b>	<b>India</b>	<b>2008</b>
<b>MD</b>	<b>Medicine</b>	<b>Kerman University of Medical science Science</b>	<b>Kerman</b>	<b>Iran</b>	<b>1995</b>

## C. Academic Appointments

<u>Year</u>	<u>Academic</u>	<u>Institution</u>
2008-present	faculty member	Faculty of Medicine (HUMS)
2009-present	chancellor for Research	HUMS
May, 2010	president of HUMS chancellor for the 11 <sup>th</sup> National Scholar	
2009-present	editorial board	medical journal HUMS
2009-present HUMS,	Fellow, Center for Infectious Diseases and Tropical Medicine,	
2008-2010	director Center for Molecular Medicine, HUMS	
2008-present	Fellow, Research Center for Molecular Medicine, HUMS	
2011	Member of Prevention committee for Thalassemia network in iran ,	
2011	director of Strategic Housing committee of the university, HUMS	
2011	Member of Stem Cell Committee of the University, HUMS	
2012	Supervisor of PhD by research scholarships (PhD candidates), HUMS	

## Trainings Passed

1. Ph.D. Taught Courses for 12 months held on Human molecular genetics in PGIMER , Chandigarh India. 2004-2005.
2. Hands-on Training course on "Cytogenetics and Prenatal Genetic Diagnosis" in Genetic Unit of ,hemato oncology department PGIMER Chandigarh India, 2010, comprised of: Karyotyping including peripheral blood culture, Harvesting, Slide preparation, Staining and chromosome Identification, kleihaur-Betke technique used in diagnosis and severity of fetomaternal hemorrhage, SSCP and CSGE for mutation screening in Monogenic disorders, ARMS in Thalassemia mutation testing.
3. Hands-on Training course on "molecular cytogenetic FISH in reproductive medicine department in All India of Medical sciences (AIIMS), Delhi, India, 202011, comprised of: solid tumor and interphase FISH technique used in diagnosis in chromosomal abnormalities .
4. Special Course on Clinical Application of Flow Cytometry, June, 2008.
5. Feb 2005: Passing the 5<sup>th</sup> Indo us workshop in Flowcytometry at department of Biotechnology Panjab University, Chandigarh – India.
6. Feb. 2005: Participate and passing the 9<sup>th</sup> Chandigarh symposium on New Biology, entitled Post Genomic Era Emergence of Molecular Medicine at Panjab University Chandigarh- India.
7. Dec. 2005: Writing a Chapter "Molecular Genetics of Cervix Cancer of my Guide teachers book entitled Molecular Epidemiology of Cancer which Published so far.
8. Oct. 2006: Participated and passing techniques in Molecular Biology and Human Genetics Workshop in Manipal Life Centre (MAHE) at Manipal University-India.

9. Nov. 2006: Bioinformatics resource on miRNA and siRNA at Institute of Microbial Technology Chandigarh (IMTECH)- India.
10. Nov. 2006: Passing symposium on stem cell Futuristic Therapy in making at Department of Biotechnology Chandigarh- India.
11. Feb. 2007: Passing Indo-us symposium on stem cell identification and characterization role of molecular marker at Panjab University Chandigarh- India.
12. Feb. 2007: Passing Indo-us Flowcytometry workshop (Proliferation – Signal Transduction and Apoptosis) at School of Biotechnology Jawaharlal Nehru University (JNU) New Delhi- India.
13. July-2007: international symposium on genomic instability and cancer, Srinagar, Jammu and Kashmir-India. (oral presentation).
14. Feb 2008: International conference of community and medical genetics at PGIMER Chandigarh-India.
15. 8<sup>th</sup>-international conference of anti-cancer research 17-22 Oct 2008, KOS, GREECE (oral presentation)
16. Feb 2009: First regional conference of tobacco and health, Kish- Iran. (Oral presentation).
17. April 2009. international hemophilia seminar, Isfahan- Iran.

### **C. Education (Academic)**

- Jan 2005; Start of Ph.D. in Human Molecular Genetics in Department of Biotechnology, Panjab University Chandigarh under Supervision Prof. RC. Sobti.
- 2008 finished PhD in human molecular genetics under Prof. R.C. Sobti.
- International Society Membership of Clinical Flowcytometry.
- 1992- MD in Medicine in Kerman University of Medical Science – Iran.

## **D. Work Experience , university activities and work in progress**

- 1992-1998 Qeshm Fee Area health and treatment network Chairmanship, Hormozgan University of Medical Science (HUMS).
- 1998-2004 Manager of treatment in HUMS Iran.
- Clinical Private in practice as Medical Doctor (Internal Medicine).
- 2008-present assistant professor at department of genetics HUMS-Iran.
- 2008-present director of prenatal diagnostic thalassemia (PND) and hematologic center Bandar-abbas-Iran (HUMS).
- 2009-present chancellor hormozgan university of medical science Bandar abbas –Iran .
- Malaria elimination national program at HUMS-hormozgan University of medical science.
- Thalassemia screening national program , prevention and prenatal diagnosis of genetic disease .
- Community based initiative (CBT) in Qeshm Island that begun since 2008.
- Screening and control of Diabetes mellitus disease as a in rural area program since 2007 and in urban area since 2013.
- Congenital hypothyroidism planning network in newborns.
- Maternal Mortality program.
- Sexual transmitted diseases prevention, diagnosis and treatment programs.
- Implementation family physician in urban area (to facilitate access to PHC and medical care).

## **F: Research Projects:**

### **Thesis work Ph.D. On**

- Genetic polymorphism and expression profile of anti-inflammatory immunomodulatory and DNA repair genes in relation to risk of cervix cancer under supervision of Prof. R.C. Sobti from Department of Biotechnology Chandigarh- India, Prof. Raje Nijhawan & Dr. Vanita Suri from Post Graduate Institute of Medical Education and Research Chandigarh (PGIMER)- India.
- The prognostic role of epigenetic aberrations in breast cancer related genes in Hormozgan province-Iran (2008).
- Prevalence of Human Papilloma Virus (HPV) Infection among Women in Bandar Abbas 2008-2009 (HUMS-Iran).
- Genetic analysis of pro-inflammatory immunomodulatory genes among with clinical risk factors in acute myocardial infarction (HUMS-Iran).
- The role anti-inflammatory

### **H: Clinical Training**

- Practical Training work in Genetic clinic and Hematology Clinic in Advance Pediatric Centre in PGIMER Chandigarh .
- Practical Training work in Hemato-oncology Department in Antenatal Lab, Cytogenetic Lab, Molecular Diagnostic Lab and Flowcytometry Lab in PGIMER Chandigarh.
- Genetic Consuling and Clinical Genetic.

### **I. Molecular Laboratory Skills**

- Genetic polymorphism on analysis in different method such as PCR-RFLP, ARMS-PCR, SSCP, sequencing PCR-VNTR, microsatellite, and different PCR-method based molecular study.

- Gene expression analysis such as RT-PCR, gene cloning, Real time PCR, protein analysis, flowcytometry, ELISA,
- Prenatal diagnosis (PND) of hematologic disease such as  $\beta$ -thalassemia, Sickle cell disease (PCR based method) ,Single gene disease diagnosis ,
- Cytogenetic study and chromosome analysis.
- Epigenetic study and DNA methylation research laboratory experience.
- Molecular cytogenetic technique in cancer solid tumour research

## **J. Honors, Awards and Inventions:**

1. University Grants Commission (UGC) scholarship new-Delhi-India.
2. Prize winner in the “*National Top* investigator on 2008 Bandar Abbas-Iran, 2008

## **K. Professional Memberships:**

2007-Present International Society clinical flowcytometry, USA.

1995-Present Medical Council, I.R. Iran.

## **L. Research Interests:**

1. Cancer biology stem cell research.
2. Epigenetic gene silencing on cancers study.
3. Cancer biomarker research.
4. miRNA, siRNA research.
4. Stem Cells (Banking) & Gene Cloning (Ethics).
5. Pharmacogenomic research .

## **M. Cultural & Social Activities:**

1. Participation in scientific congresses and seminars as audience.
2. Occasional writings: Writing and translation of some scientific, cultural and social articles for Iranian Newspapers & Magazines such as including, Scientific Information, Scientific Bulletin of biotechnology, genetic, molecular biology etc.

## **N. Referees:**

### **Prof. R.C. Sobti:**

(Professor and Vice chancellor of Punjab University Chandigarh - India).

Department of biotechnology Punjab University Chandigarh, India.

Email: rcsobti@pu.ac.in

### **Prof. Vanita Suri:**

(Professor)

Department of obstetrics and gynecology post graduate institute medical education and research (PGIMER), Chandigarh, India.

Email: surivanita@yahoo.co.in

### **Dr. Reena Das:**

(Additional professor)

Department of hemato, oncology post graduate institute medical education and research (PGIMER), Chandigarh, India.

Email: reenadaspgi@hotmail.com

## **Publications:**

1. Sobti RC, Kordi Tamandani DM, **Shekari M**, *et al.* Interleukin-1 beta gene polymorphism and risk of cervical cancer. *Int J Gynecol Obstet.* 2008, Apr; 101(1):47-52.
2. Kordi Tamandani DM, Sobti RC, **Shekari M**, *et al.* Impact of polymorphism in IL-1RA gene on the risk of cervical cancer. *Arch Gynecol Obstet.* 2008; Jun;277(6):527-33.



3. Sobti RC, **Shekari M** , Kordi Tamandani DM, *et al.* Effect of *NBS1* gene polymorphism with the risk of cervix carcinoma in north Indian population. *The International Journal of Biological Markers.* ; Jan. 30; 2008
4. **Mohammad Shekari**, Ranbir Chander Sobti, Dor Mohammad Kordi Tamandani, *et al.* Impact of methylenetetrahydrofolate reductase (*MTHFR*) codon (667) and methionine synthase (*MS*) codon (2756) on risk of cervical carcinogenesis in North Indian population. *Arch Gynecol Obstet.* 2008 March 20: (Epub ahead of print).
5. **Mohammad Shekari**, Ranbir Chander Sobti, Dor Mohammad Kordi Tamandani, *et al.* Association of IL-18 gene promoter polymorphism on the risk of cervix carcinoma in North Indian population. *Oncology Res.* 2008; 17(4):159-66.
6. **Mohammad Shekari** ,Ranbir Chander Sobti, , Dor Mohammad Kordi Tamandani, *et al.* Association of genetic polymorphism of the DNA base excision repair gene (*APE-1*) Asp148 Glu and HPV type(16,18) with the risk of cervical cancer in North Indian population. *Cancer Biomarker.* 2008 :4 (2) pp.63-71.
7. Tamandani DM ,Sobti RC, **Shekari M**, Association of *Fas-670* gene polymorphism with risk of cervical cancer in north Indian population. *Clin Exp Obstet Gynecol.* 2008;35(3):183-6
8. Kordi Tamandani DM, Sobti, RC, **Shekari M**, et al. Interleukin-6 genes polymorphism and cervical cancer risk. *Acta Obst Gynec Schandenavi.* 2008.
9. Kordi Tamandani DM, Sobti, RC, **Shekari M**, et al. Impact of *IFN-gama* gene polymorphism on the risk of cervical cancer. *Exp Oncol* sep;30(3):224-9.
10. Sobti RC, **Shekari M**, Kordi Tamandani DM, Kaur P, Suri V, Huria A. Effect of *NBS1* gene polymorphism on the risk of cervix carcinoma in a northern Indian population. *Int J Biol Markers.* 2008 Jul-Sep; 23(3):133-9.1.
11. Kordi Tamandani DM, Sobti RC, **Shekari M**, Hussein SA, Suri V. No association of *TAP1* and *TAP2* genes polymorphism with risk of cervical cancer in north Indian population. *J Assist Reprod Genet.* 2009 Mar 5.[Epub ahead of print].

12. Tamandani DM, Sobti RC, **Shekari M**, Huria A. CpG Island Methylation of TMS1/ASC and CASP8 Genes in Cervical Cancer Eur J Med Res. 2009 Feb 18;14(2):71,
13. Malekzadeh K, Sobti RC, Nikbakht M, **Shekari M**, Hosseini SA, Tamandani DK, Singh SK. Methylation patterns of Rb1 and Casp-8 promoters and their impact on their expression in bladder cancer. Cancer Invest. 2009 Jan;27(1):70-80.
14. Azim Nejatizadeh, **Mohammad Shekari**, Tsering Stobdan, M A Qadar Pasha. Genetic susceptibility of angiotensin-I converting enzyme and G-protein  $\beta$ 3-subunit gene polymorphisms to essential hypertension. Genetics in the 3rd millennium, Vol. 8, No.3, Autumn 2010 .
15. Azim Nejatizadeh **Mohammad Shekari** , Tsering Stobdan, M.A.Qadar Pasha. Identification of Hepatitis B Virus Surface Antigen (HbsAg) Genotypes and Variations in Chronic Carriers from Isfahan Province, Iran. Iranian J Publ Health vol.41, No.3 .2012.
16. Mahin Jamshidi, **Mohammad Shekari** , Azim Nejatizadeh, Keyanoush Malekzadeh , Mahnaz Baghershiroodi, Parivash Davudian, Farzaneh Dehghan, Froogh Jamshidi. The impact of human papillomavirus (HPV) types 6, 11 in Women with genital warts. springer ISSN0932-0067 Arch Gynecol Obstet DOI 10.1007/s00404-012-2416-1, 2012.

