

In the name of God
CURRICULUM VITAE
March 2017

PERSONAL DETAILS

Title: Dr
Name: Habib Nikukar
Address: Shahid Sadoughi University of Medical Sciences, Yazd Infertility Research Institute, Stem Cell Biology Research Center, BouAli Avenue, Safayeh, Yazd, IR Iran
Post Code: 8916877391
Tel: + (98) 353 8247085-6
Fax: + (98) 353 8247087
E-mails: habibnik@ssu.ac.ir
habibnik@gmail.com

Date of birth: 8 July 1968
Place of birth: Yazd, Iran
Nationality: Iranian
Marital status: Married



EDUCATION

Jan. 2010 to Dec. 2013 PhD in Molecular and Cellular Biology;
Centre for Cell Engineering, Institute of Molecular, Cell and Systems Biology, College of Medical, Veterinary and Life Sciences, University of Glasgow, Glasgow, UK

Sep. 1994 to Nov. 1997 Pediatrician;
Faculty of Pediatrics, Shiraz University of Medical Sciences, Shiraz, Iran

Sep. 1986 to Feb. 1994 Doctorate in Medicine;
Faculty of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran

Sep. 1982 to Sep.1986 Iranian National Diploma in Science;
Zargaran High School, Yazd, Iran

EXPERIENCES

Feb. 1994 to Sep. 1994	Yazd Health Centers, Yazd, Iran General Physician
Nov. 1997 to Sep. 1998	Harat Health Center, Khatam Province, Yazd, Iran Pediatician
Sep. 1998 to Oct. 1999	Yazd Medical Sciences University, Yazd, Iran Head of HSR(Health Services Research) unit
Oct. 1999 to Sep. 2004	Mehriz Hospital, Mehriz Province, Yazd, Iran Pediatician, Head of Pediatric Ward
Sep.2004 to Mar. 2005	Yazd Medical Sciences University, Yazd, Iran Manager of Yazd Province Health Center
Mar.2005 to Sep. 2007	Yazd Medical Sciences University, Yazd, Iran Manager of Clinical Department & Head of Yazd Emergency Centre
Sep. 2007 to Dec. 2007	Afshar Hospital, Yazd Medical Sciences University, Yazd, Iran Pediatician, Clinical Department Consultant
Nov.2008 to Apr. 2009	Yazd Medical Sciences University, Yazd, Iran Deputy Chancellor for Food and Drugs Association
May 2009 to Date	Yazd Clinical & Research Center for IVF, Yazd, Iran Clinical Researcher

ACTIVITIES

Sep. 1998 to Dec. 2009	Avicenna Clinic (Dr Musavi Biuki's Clinic), Yazd, Iran, Pediatician
Sep. 1998 to Oct. 1999	Yazd Medical Sciences University (YMSU), Yazd, Iran, Head of HSR (Health Services Research) Unit
Oct. 1999 to Sep. 2004	Mehriz Hospital, Mehriz province, Yazd, Iran, Pediatician, Head of Pediatric Ward
Sep. 2004 to Dec. 2009	YMSU, Yazd, Iran, Health Manager (different duties)
Since Mar. 1999	YMSU, Yazd, Iran, Coworker of CDC and Family Health Groups
Since Aug. 2000	YMSU, Yazd, Iran, Coworker of Deputy Chancellor for Research
Since Jun. 2006	YMSU, Yazd, Iran, Head of Hospital Evaluation Committee
Feb. 2007 to Dec. 2007	YMSU, Yazd, Iran, Head of Under 5 Children Mortality Committee
May 2009 to Date	Yazd Clinical & Research Center for IVF, Yazd, Iran, Clinical Researcher
Jan. 2014 to Date	YMSU, Yazd, Iran, Head of University Stem Cell Commission
Sep. 2014 to Date	YMSU, Yazd, Iran, Assistant Professor, Faculty member
Oct. 2014 to Date	YMSU, Yazd, Iran, Manager of University Research and Technology Council
Nov. 2015 to Date	YMSU, Reproductive Sciences Research Institute, Yazd, Iran, Head of Stem Cell biology Research Center

MEMBERSHIPS

Feb. 1994 to Date	Full Registered Member of Iranian Medical Council, Iran
Since Nov. 2006	YMSU, Yazd, Iran, Member of Prevention of Neonatal Hypothyroidism Committee
Since May 2006	YMSU, Yazd, Iran, Member of Breast Feeding Promotion Committee
Since Mar. 2006	YMSU, Yazd, Iran, Member of Fee Determination Committee of Clinical Department
Since May 2005	Member of Province's Development Documentary Committee, Yazd, Iran
Since Apr. 2008	YMSU, Yazd, Iran, Member of University Bursary Committee
Since Mar. 2009	Yazd Deputy Chancellor of Food and Drug Association, Yazd, Iran, Member of the Research and Development Committee
May 2009 to Date	Yazd Clinical & Research Institute for Reproduction, Yazd, Iran, Member of the Clinical Research Committee
Since May 2012	Member of Tissue and Cell Engineering Society (TCES), UK

UNIVERSITY TEACHING

Since 1999	Annual Neonatal Resuscitation Program Workshops, Yazd, Iran
Since 1999	Annual Breast Feeding Promotion Program Workshops, Yazd, Iran
Since 2001	Annual Workshops on Acute Respiratory Infections in Children, Yazd, Iran
Since 2003	Annual Workshops on Well Baby Care, Yazd, Iran
Since 2004	Annual Workshops on Organized Sick Baby Care, Yazd, Iran
Apr. 2004	Popular Vaccination and Prevention of Congenital Rubella and Measles Conference, Yazd, Iran
Feb. 2006	Conference on Drug Resistance in Microorganisms, Yazd, Iran
Since 2014	Novel science and technology in Dentistry
Since 2014	Nanotechnology in Medicine
Since 2014	Stem cell science and Regenerative Medicine
Since 2014	GMP

RESEARCHES

1994	Blunt Abdominal Trauma (a Retrospective Study), Shiraz, Iran
1997	Normal Echocardiography Findings in Primary School Children, Shiraz, Iran
2000	Effects of Training on Selection of Vasectomy as the Method of Choice By Teachers and Workers, Yazd, Iran
2013	Nanomechanotransduction of Human Mesenchymal Stem Cell, Glasgow, UK
2015	Effects of nanoscale vibration on human Embryonic Stem Cell and Mice ovum and zygote, Yazd, Iran

PRESENTATIONS AND PUBLICATIONS

Poster presentations:

1. **Nanoscale mechanical stimulation promotes osteogenesis from mesenchymal stem cells** at 6th Mesenchymal stem cell conference, June 2012, University of Southampton, Southampton, UK
2. **Nanomechanotransduction of human mesenchymal stem cell** at Tissue and Cell Engineering Society (TCES), July 2012, Liverpool, UK
3. **Nanoscale mechanical stimulation promotes osteogenesis from mesenchymal stem cells (Nanomechanotransduction of Human Mesenchymal Stem Cells)** at European Molecular Biology Laboratory (EMBL) Conference: Stem Cells in Cancer and Regenerative Medicine, 29 August 2012 - 01 September 2012, Heidelberg, Germany
4. **“Nanokicking” of human MSCs could make bone. Possible clinical applications** at TCES, July 2013, Cardiff, UK
5. **Osteogenesis of mesenchymal stem cells by nanoscale mechanotransduction** (Poster) at European Society for Artificial organs (ESAO), September 2013, Glasgow, UK
6. **Nanoscale Mechanical Stimulation of Human Mesenchymal Stem Cell: “Nanokicking”** at The 2nd Annual Congress of Stem Cells Research and Application, 22- 23 May 2014, Mashhad, Iran (The best poster prize)
7. **Reconstitution of an artificial human testis using a 3 dimensional (3D) culture device** at 31st Annual Meeting of ESHRE, June 2015, Lisbon, Portugal.
8. **Development of 3 dimensional cell-coated homemade scaffolds for future applications in non-obstructive azoospermia treatments** at The 2nd International Congress on Reproduction (ISERB 2016), 18- 20 May 2016, Tehran, Iran (The best poster award)
9. **An investigation of in vitro nanoscale vibration on early embryo development in mice** at The 2nd International Congress on Reproduction (ISERB 2016), 18- 20 May 2016, Tehran, Iran
10. **Can in vitro nano-scale vibration promote embryo development?** at The 1st National Festival and International Congress on Stem Cell and Regenerative Medicine (ICSC 2016) 19- 21 May 2016, Tehran, Iran

Oral presentations:

1. **Nanomechanotransduction of human mesenchymal stem cell:** 8th Royan International congress on stem cell biology and technology, September 2012, Royan Institute, Tehran, IR Iran
2. **Osteogenesis of mesenchymal stem cells by nanoscale mechanotransduction:** (Oral) European Society for Artificial organs (ESAO), September 2013, Glasgow, UK
3. **Stem cell control and applications:** (Persian) Stem Cell Conference, Potentials and Future, November 2014, Shahid Sadoughi Hospital, Yazd, IR Iran

4. **Osteogenic differentiation of human stem cell by mechanical stimulation:** New approaches in the management of bone disorders, 24 November 2014, International Campus, Shahid Sadoughi University of Medical Sciences, Yazd, IR Iran
5. **Nanoscale mechanical stimulation of human mesenchymal stem cell:** 1st International symposium on stem cell therapy and regenerative medicine, May 2015, Shiraz Institute for Stem Cells and Regenerative Medicine, Shiraz, IR Iran
6. **Nanomechanotransduction of Human MSCs: “Nanokicking”:** 2nd Iranian international congress on tissue engineering and regenerative medicine, November 2015, Tehran, IR Iran
7. **Regenerative medicine and their applications in the female reproductive system,** February 2016, Shiraz Institute for Stem Cells and Regenerative Medicine, Clinical Trial Planning in Regenerative Medicine and Stem Cell Technology Sciences, Shiraz, IR Iran
8. **Regeneration medicine in female reproductive system,** March 2016, Regenerative Medicine and Stem Cell Technology in Reproductive Biology, Yazd, IR Iran

Publications:

1. **Osteogenesis of mesenchymal stem cells by nanoscale mechanotransduction.** Nikukar H, Reid S, Tsimbouri PM, Riehle MO, Curtis AS, Dalby MJ. ACS Nano. 2013 Mar 26;7(3):2758-67. doi: 10.1021/nn400202j. Epub 2013 Mar 5.
2. **Cell interactions at the nanoscale: piezoelectric stimulation.** Curtis AS, Reid S, Martin I, Vaidyanathan R, Smith CA, Nikukar H, Dalby MJ. IEEE Trans Nanobioscience. 2013 Sep;12(3):247-54. doi: 10.1109/TNB.2013.2257837. Epub 2013 Jun 12.
3. **Nanoscale stimulation of osteoblastogenesis from mesenchymal stem cells: nanotopography and nanokicking.** Pemberton GD, Childs P, Reid S, Nikukar H, Tsimbouri PM, Gadegaard N, Curtis AS, Dalby MJ. Nanomedicine (Lond). 2015 Mar;10(4):547-60. doi: 10.2217/nmm.14.134.
4. **Use of nanoscale mechanical stimulation for control and manipulation of cell behaviour.** Childs PG, Boyle CA, Pemberton GD, Nikukar H, Curtis AS, Henriquez FL, et al. Acta Biomater. 2016;34:159-68.

INTERESTS

Basic Sciences (Anatomy, Embryology, Histology)

Nanomedicine, Regenerative Medicine, Pediatric Medicine

Applied Cell Science, Stem Cell Science, Tissue Engineering

Animals and Plants Life and Behaviors

Painting and Hand writing