

## Lect. PhD SELDA AYHAN

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### Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri A.B.D., Turkey 2012 - 2015

### Dissertations

Doctorate, Metabolom ve transkriptom profillemesi ile insan kemik iliğinde hematopoetik niş karakterizasyonu, Hacettepe University, Sağlık Bilimleri Enstitüsü, 2015

Postgraduate, Primer Yara İyileşmesi Üzerine Embriyonik Kök Hücre ve Ovaryum Folikül Sıvısının Etkisi, Eskisehir Osmangazi University, Institute Of Health Sciences, 2007

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Çocuk Sağlığı Enstitüsü, 2018 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Characterization of human bone marrow niches with metabolome and transcriptome profiling**  
AYHAN S., NEMUTLU E., Cetinkaya D. U. , KIR S., ÖZGÜL R. K.  
JOURNAL OF CELL SCIENCE, vol.134, no.6, 2021 (Journal Indexed in SCI)
- II. **Mesenchymal stem cell application improves tendon healing via anti-apoptotic effect (Animal study)**  
SELEK Ö., BULUÇ L., Muezzinoglu B., ERGÜN R. E. , Ayhan S., Karaoz E.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.48, no.2, pp.187-195, 2014 (Journal Indexed in SCI)
- III. **Bone marrow-derived mesenchymal stem cells co-cultured with pancreatic islets display beta cell plasticity**  
Karaoz E., Ayhan S., Okcu A., Aksoy A., Bayazit G., Gurol A. O. , DURUKSU G.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.5, no.6, pp.491-500, 2011 (Journal Indexed in SCI)
- IV. **Mesenchymal stem cells improve the healing of ischemic colonic anastomoses (experimental study)**  
Adas G., Arikan S., Karatepe O., Kemik O., Ayhan S., Karaoz E., Kamali G., Eryasar B., Ustek D.  
LANGENBECKS ARCHIVES OF SURGERY, vol.396, no.1, pp.115-126, 2011 (Journal Indexed in SCI)
- V. **Pancreatic Islet Derived Stem Cells Can Express Co-stimulatory Molecules of Antigen-Presenting**

## Cells

Karaoz E., Okcu A., Saglam O., Genç Z., Ayhan S., Kasap M.

TRANSPLANTATION PROCEEDINGS, vol.42, pp.3663-3670, 2010 (Journal Indexed in SCI)

- VI. **BONE MARROW DERIVED MESENCHYMAL STEM CELLS CAN EXPRESS GENES WITH KNOWN ANTI-APOPTOTIC FUNCTION AND CO-STIMULATORY MOLECULES OF ANTIGEN PRESENTING CELLS WITHOUT STIMULATION IN VITRO**  
Karaoz E., Okcu A., Saglam O., Ayhan S., Gacar G., Duruksu G.  
HAEMATOLOGICA, vol.95, pp.665-666, 2010 (Journal Indexed in SCI)
- VII. **IN VITRO DIFFRENTIATION POTENTIAL OF MESENCHYMAL STEM CELLS DERIVED FROM NATAL, WISDOM, DECIDUOUS TEETH DENTAL PULP AND HUMAN BONE MARROW: A COMPERATIVE STUDY**  
Aksoy A., Ayhan S., Okcu A., Karaoz E.  
HAEMATOLOGICA, vol.95, pp.444-445, 2010 (Journal Indexed in SCI)
- VIII. **IN VITRO PLURIPOTENT PROPERTIES AND CHARACTERIZATION OF UMBILICAL CORD BLOOD MESENCHYMAL STEM CELLS**  
Ayhan S., Genç Z., Okcu A., Duruksu G., Aksoy A., Karaoz E.  
HAEMATOLOGICA, vol.95, pp.642, 2010 (Journal Indexed in SCI)
- IX. **BONE MARROW-DERIVED MESENCHYMAL STEM CELLS CO-CULTURED WITH PANCREATIC ISLETS DISPLAY BETA-CELL PLASTICITY**  
Karaoz E., Ayhan S., Okcu A., Aksoy A., Bayazit G., Gurol A., Duruksu G.  
HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, vol.95, pp.662, 2010 (Journal Indexed in SCI)
- X. **Isolation and characterization of stem cells from pancreatic islet: pluripotency, differentiation potential and ultrastructural characteristics**  
Karaoz E., Ayhan S., Gacar G., Aksoy A., Duruksu G., Okcu A., Demircan P. C. , Sariboyaci A. E. , Kaymaz F., KASAP M.  
CYTOTHERAPY, vol.12, no.3, pp.288-303, 2010 (Journal Indexed in SCI)
- XI. **Isolation and in vitro characterisation of dental pulp stem cells from natal teeth**  
Karaoz E., Dogan B. N. , Aksoy A., Gacar G., Akyuz S., Ayhan S., Genç Z. S. , Yuruker S., Duruksu G., Demircan P. C. , et al.  
HISTOCHEMISTRY AND CELL BIOLOGY, vol.133, no.1, pp.95-112, 2010 (Journal Indexed in SCI)
- XII. **Characterization of mesenchymal stem cells from rat bone marrow: ultrastructural properties, differentiation potential and immunophenotypic markers**  
Karaoz E., Aksoy A., Ayhan S., Sariboyaci A. E. , Kaymaz F., KASAP M.  
HISTOCHEMISTRY AND CELL BIOLOGY, vol.132, no.5, pp.533-546, 2009 (Journal Indexed in SCI)
- XIII. **COMPARATIVE ANALYSIS OF MESENCHYMAL STEM CELLS FROM BONE MARROW, DENTAL PULP, ADIPOSE TISSUE AND ENDOMETRIUM**  
Karaoz E., Aksoy A., GENÇ Z., Ayhan S., GACAR G., Okcu A., Demircan P., Caliskan E., Sariboyaci A.  
HAEMATOLOGICA, vol.94, pp.459, 2009 (Journal Indexed in SCI)
- XIV. **MAY THE C-FOS TO BECOME A NEW COMMON MARKER FOR MESENCHYMAL STEM CELLS ?**  
Karaoz E., GENÇ Z., Ayhan S., Aksoy A., Okcu A., GACAR G., KASAP M.  
HAEMATOLOGICA, vol.94, pp.458, 2009 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARATIVE ANALYSIS OF MESENCHYMAL STEM CELLS FROM BONE MARROW, DENTAL PULP, ADIPOSE TISSUE AND ENDOMETRIUM**  
Karaoz E., Aksoy A., GENÇ Z., Ayhan S., GACAR G., Okcu A., Demircan P., Caliskan E., Sariboyaci A.  
14th Annual Meeting of the European-Hematology-Association, Berlin, Germany, 4 - 07 June 2009, vol.94, pp.459
- II. **MAY THE C-FOS TO BECOME A NEW COMMON MARKER FOR MESENCHYMAL STEM CELLS ?**  
Karaoz E., GENÇ Z., Ayhan S., Aksoy A., Okcu A., GACAR G., KASAP M.  
14th Annual Meeting of the European-Hematology-Association, Berlin, Germany, 4 - 07 June 2009, vol.94, pp.458
- III. **IMAGING FEATURES IN PARENCHYMAL LYMPHOMATOUS MASSES IN BRAIN: PRIMARY CNS**

## **LYMPHOMA OR SYSTEMIC INVOLVEMENT OF THE BRAIN?**

Mut M., Oguz K. K. , AYHAN S., Soylemezoglu F., BERKER M.

8th Congress of the European-Association-for-Neuro-Oncology (EANO), Barcelona, Spain, 12 - 14 September 2008, vol.10, pp.1086

### **Scientific Refereeing**

TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, September 2016

TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, January 2016

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, SCI Journal, December 2015

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, SCI Journal, January 2015

TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, January 2015

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, SCI Journal, November 2011

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, SCI Journal, March 2011

### **Citations**

Total Citations (WOS):322

h-index (WOS):6

### **Scholarships**

BİDEB 2211, TUBITAK, 2009 - 2015

### **Awards**

Ayhan S., İstanbul Eğitim Araştırma Hastanesi 50. Kuruluş Yılı Ulusal Bilimsel Etkinlikleri En İyi Makale Yarışması Birincisi , İstanbul Eğitim Araştırma Hastanesi, September 2011

Ayhan S., Türk Diyabet Vakfı Diabetes Mellitus 2010 Yılı En İyi Bilimsel Proje Destek Ödülü Birincisi , Türk Diyabet Vakfı, January 2010

Ayhan S., Türk Diyabet Vakfı Diabetes Mellitus 2010 Yılı En İyi Bilimsel Yayın Ödülü İkincisi , Türk Diyabet Vakfı , January 2010

Ayhan S., Genç Katılımcı Ödülü, Ulusal Hematoloji Kongresi, September 2009

Ayhan S., Deneysel Hematoloji En İyi Bildiri Ödülü, Ulusal Hematoloji Kongresi, September 2009

Ayhan S., Türk Diyabet Vakfı Diabetes Mellitus 2009 Yılı En İyi Bilimsel Proje Destek Ödülü Birincisi , Türk Diyabet Vakfı , September 2009