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Araştırma Konuları

Küçük moleküllerle indüklemeli kök hücre ekspansiyonu
Kalp rejenerasyonunun terapötik modülasyonu
OTU inhibitörlerinin araştırılması ve geliştirilmesi
Rejeneratif tıp uygulamalarında fibroblast çoğaltımının küçük moleküllerle hızlandırılması
AD-MSC ve BM-MSC ekspansiyon teknikleri
Kök hücrelerde gen düzenlemek teknolojilerinin geliştirilmesi
Kök hücrelerin metabolik belirlenmesi

Biyografi

BS: Molecular Biology and Genetics, Orta Doğu Technical University, Türkiye, 2007
Phd. Genetics and Development, University of Texas Southwestern (UTSW) Medical Center at Dallas, 2012

15 HAKEMLİ MAKALELER

1. Pauline Rimmelé, Raymond Liang, Carolina L. Bigarella, Fatih Kocabaş, Jingjing Xie, Madhavika N. Serasinghe, Jerry Chipuk, Hesham Sadek, Cheng Cheng Zhang, and Saghi Ghaffari. "Mitochondrial metabolism in hematopoietic stem cells requires functional FOXO3." *EMBO reports* (2015): e201439704. [Impact Factor: 7.8] PDF
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3. Sheng Min Shih, Benjamin D Engel, Fatih Kocabaş, Thomas Bilyard, Arne Gennerich, Wallace F Marshall, Ahmet Yildiz. Intraflagellar transport drives flagellar surface motility. *eLife* (June, 11, 2013). [Impact Factor: 9.322] PDF
4. Fatih Kocabaş (co-first author), Ahmed I Mahmoud, Shalini A. Muralidhar, Wataru Kimura, Ahmed S. Koura, Suwannee Thet, Enzo R. Porrello, and Hesham A. Sadek. Meis1 regulates postnatal cardiomyocyte cell cycle arrest. *Nature* 497, no. 7448 (2013): 249-253. [Nature Impact Factor: 42.351] PDF
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42 PROCEEDINGS, and ABSTRACTS

KİTAP, KİTAP BÖLÜMLERİ VE TEZLER

1. Fatih Kocabaş*. Emerging Roles of MEIS1 in Hematopoiesis and Heart Regeneration. ISBN 978-3-659-59658-2. LAP LAMBERT Academic Publishing, Germany. February 23, 2015. Link
2. Fatih Kocabaş*, Junke Zheng, Chengcheng Zhang, and Hesham A. Sadek. "Metabolic Characterization of Hematopoietic Stem Cells." In *Hematopoietic Stem Cell Protocols*, pp. 155-164. Springer New York, 2014. PDF
3. Fatih Kocabaş*. MEIS1: At the Crossroads between Metabolic and Cell Cycle Regulation. PhD diss., 2013. UT Southwestern Electronic Theses and Dissertations. PDF
4. Margaret Buckingham, Fatih Kocabaş. Editorial 'Regenerative and Restorative biology' *Turk J Biol*, 40, (2016) PDF

DERSLER

GÜZ: İnsan Genetiği, Adli Teknolojiler, Temel Biyoloji, Gen Düzenleme Teknolojileri, İleri Kök Hücre Teknolojileri

BAHAR: Kök Hücre Biyolojisi, Kök Hücre Teknikleri, Rejeneratif Biyoloji ve Biyomedikal Uygulamaları

Websitesi

<http://regbio.yeditepe.edu.tr/index.html>

