

Assoc. Prof. FATMA BESTE KINIKOĞLU EROL

Personal Information

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Biography

Doçent Doktor Beste Kinikoğlu Erol 1998 senesinde Galatasaray Lisesi'nden mezun olmuştur. Orta Doğu Teknik Üniversitesi (ODTÜ) Kimya Mühendisliği Bölümü'nü yüksek şeref öğrencisi olarak bitirdikten sonra yüksek lisans derecesini, araştırma görevlisi olarak ta çalıştığı Boğaziçi Üniversitesi Kimya Mühendisliği Bölümü'nden, doktora derecelerini ise Fransız Hükümeti Bursiyeri olarak Doku Mühendisliği ve Hücre Biyolojisi alanında Lyon Üniversitesi'nden ve TÜBİTAK bursiyeri olarak Biyoteknoloji alanında ODTÜ'den almıştır. Doktora çalışması Avrupa Doktora Ödülü ve Fen Bilimleri Enstitüsü En İyi Tez Ödülü'ne layık görülmüştür. Acibadem Tıp Fakültesi kadrosuna katılmadan önce, Harvard Üniversitesi Tıp Fakültesi'nde rejeneratif tıp ve kök hücre biyolojisi alanında 2 sene süresince doktora sonrası araştırmacı olarak çalışmıştır. 2016 yılında UNESCO - L'ORÉAL Genç Bilim Kadını Ödülü'nü kazanmıştır. 2019 yılında Tıp / Tıbbi Biyoloji alanında Doçent unvanı almıştır.

Education Information

Post Doctorate, Harvard University, Harvard Medical School, Center for Regenerative Medicine, United States Of America
2011 - 2013

Post Doctorate, Hôpital Edouard Herriot, Laboratoire des Substituts Cutanés, France 2010 - 2011

Doctorate, Université Claude Bernard-Lyon I, École Doctorale Interdisciplinaire Sciences-Santé, Tissue Engineering and Cell Biology, France 2007 - 2010

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biotechnology, Turkey
2006 - 2010

Post Graduate, Bogazici University, Faculty Of Engineering, Department Of Chemistry Engineering, Turkey 2004 - 2006

Under Graduate, Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering, Turkey
1998 - 2003

Foreign Languages

Spanish, B1 Intermediate

English, C2 Mastery

French, C2 Mastery

Dissertations

Doctorate, Tissue Engineering of Full-Thickness Human Oral Mucosa, Université Claude Bernard-Lyon I, École Doctorale Interdisciplinaire Sciences-Santé, Tissue Engineering and Cell Biology, 2010

Post Graduate, Identification of perturbation-responsive key transcription factors in transcriptional regulatory networks, Bogazici University, Faculty Of Engineering, Department Of Chemistry Engineering, 2006

Research Areas

Medicine, Health Sciences, Medical Biology, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2019 - Continues

Assistant Professor, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2014 - 2019

Research Assistant PhD, Harvard University, Harvard Medical School, Center for Regenerative Medicine, 2011 - 2013

Research Assistant PhD, Université Claude Bernard-Lyon I, Hospices Civils de Lyon, Laboratoire des Substituts Cutanés, 2010 - 2011

Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Chemistry Engineering, 2004 - 2006

Academic and Administrative Experience

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2021 - Continues

Rektörlük Stratejik Plan Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2021 - Continues

Bölüm Kalite Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Biochemistry and Molecular Biology, 2020 - Continues

Fakülte Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Medikal Biyoteknoloji Doktora Programı, 2016 - Continues

Fakülte Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2014 - Continues

Fakülte Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School of Health Sciences , Biochemistry and Molecular Biology, 2014 - Continues

Yıl Koordinatörü, Acibadem Mehmet Ali Aydınlar University, School of Medicine, 2017 - 2020

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School of Medicine, Department of Basic Sciences, 2014 - 2017

Courses

PBL module of the Gastroenterology Committee: Jaundice, Under Graduate, 2019 - 2020, 2020 - 2021

Pharmaceutic Biotechnology: Cell and Gene Therapies, Under Graduate, 2019 - 2020, 2020 - 2021

Principles of Biotechnology: Biomaterials and Cell Therapies, Doctorate, 2019 - 2020, 2020 - 2021

Regenerative Medicine, Under Graduate, 2020 - 2021

Acids and bases , Under Graduate, 2019 - 2020, 2020 - 2021

Nükleik Asitlerin Yapı ve İşlevi, Doctorate, 2019 - 2020, 2020 - 2021

Medical Biology and Genetics, Under Graduate, 2019 - 2020, 2020 - 2021

Laboratory: Basic Lab Skills (Pipetting), Under Graduate, 2019 - 2020, 2020 - 2021

Gases, liquids and solids , Under Graduate, 2019 - 2020, 2020 - 2021

Laboratory: Nucleic acid amplification; PCR, Under Graduate, 2019 - 2020, 2020 - 2021

Temel Moleküler Biyoloji ve Genetik Teknikleri, Post Graduate, 2019 - 2020, 2020 - 2021

Organic Functional Groups in Medicine, Under Graduate, 2019 - 2020, 2020 - 2021

Chemical bonds and reactions , Under Graduate, 2019 - 2020, 2020 - 2021

Laboratory: DNA Isolation, Under Graduate, 2019 - 2020, 2020 - 2021

Concept of cell: prokaryotes, eukaryotes and multicellular life , Under Graduate, 2019 - 2020, 2020 - 2021

Laboratory: Agarose Gel Electrophoresis, Under Graduate, 2019 - 2020, 2020 - 2021

Scientific measurements and calculations , Under Graduate, 2019 - 2020, 2020 - 2021

İleri Hücre Biyolojisi, Doctorate, 2019 - 2020, 2020 - 2021

Chemical equilibrium and kinetics , Under Graduate, 2019 - 2020, 2020 - 2021

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, June, 2021

Doctoral Examination, Doctoral Examination, Acibadem Mehmet Ali Aydınlar Üniversitesi, February, 2021

Post Graduate, Post Graduate, Acibadem Mehmet Ali Aydınlar Üniversitesi, April, 2019

Post Graduate, Post Graduate, Acibadem Mehmet Ali Aydınlar Üniversitesi, March, 2017

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

- I. **A Comparison of Scaffold-free and Scaffold-based Reconstructed Human Skin Models as Alternatives to Animal Use**
Kinikoglu B.
ATLA-ALTERNATIVES TO LABORATORY ANIMALS, vol.45, no.6, pp.309-316, 2017 (Journal Indexed in SCI)
- II. **A chemical screen in zebrafish embryonic cells establishes that Akt activation is required for neural crest development**
Ciarlo C., Kaufman C. K. , Kinikoglu B., Michel J., Yang S., D'Amato C., Blokzijl-Franke S., den Hertog J., Schlaeger T. M. , Zhou Y., et al.
ELIFE, vol.6, 2017 (Journal Indexed in SCI)
- III. **Cell-Scaffold Interfaces in Skin Tissue Engineering**
Kinikoglu B.
CELL AND MATERIAL INTERFACE: ADVANCES IN TISSUE ENGINEERING, BIOSENSOR, IMPLANT, AND IMAGING TECHNOLOGIES, vol.52, pp.147-162, 2016 (Journal Indexed in SCI)
- IV. **Tissue engineering of oral mucosa: a shared concept with skin**
Kinikoglu B., Damour O., Hasirci V. N.
JOURNAL OF ARTIFICIAL ORGANS, vol.18, no.1, pp.8-19, 2015 (Journal Indexed in SCI)
- V. **Characterization of cultured multipotent zebrafish neural crest cells**
Kinikoglu B., Kong Y., Liao E. C.
EXPERIMENTAL BIOLOGY AND MEDICINE, vol.239, no.2, pp.159-168, 2014 (Journal Indexed in SCI)
- VI. **Feasibility of a porcine oral mucosa equivalent: A preclinical study**
Kinikoglu B., Hemar J., Hasirci V., Breton P., Damour O.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.4, pp.271-274, 2012 (Journal Indexed in SCI)
- VII. **Adipose-derived stem cells (ASCs) as a source of endothelial cells in the reconstruction of endothelialized skin equivalents**
Auxenfans C., Lequeux C., Perrusel E., Mojallal A., Kinikoglu B., Damour O.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, no.7, pp.512-518, 2012 (Journal Indexed in SCI)
- VIII. **Influence of the mesenchymal cell source on oral epithelial development**
Kinikoglu B., Rovere M. R. , Haftek M., Hasirci V., Damour O.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, no.3, pp.245-252, 2012 (Journal Indexed in SCI)

- IX. **The influence of elastin-like recombinant polymer on the self-renewing potential of a 3D tissue equivalent derived from human lamina propria fibroblasts and oral epithelial cells**
Kinikoglu B., Carlos Rodriguez-Cabello J., Damour O., Hasirci V.
BIOMATERIALS, vol.32, no.25, pp.5756-5764, 2011 (Journal Indexed in SCI)
- X. **A smart bilayer scaffold of elastin-like recombinamer and collagen for soft tissue engineering**
Kinikoglu B., Carlos Rodriguez-Cabello J., Damour O., Hasirci V.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.6, pp.1541-1554, 2011 (Journal Indexed in SCI)
- XI. **Reconstruction of a full-thickness collagen-based human oral mucosal equivalent**
Kinikoglu B., Auxenfans C., Pierrillas P., Justin V., Breton P., Burillon C., Hasirci V., Damour O.
BIOMATERIALS, vol.30, no.32, pp.6418-6425, 2009 (Journal Indexed in SCI)
- XII. **Evolution of three dimensional skin equivalent models reconstructed in vitro by tissue engineering**
Auxenfans C., Fradette J., Lequeux C., Germain L., Kinikoglu B., Bechetoille N., Braye F., Auger F. A. , Damour O.
EUROPEAN JOURNAL OF DERMATOLOGY, vol.19, no.2, pp.107-113, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **The Influence of The Biopsy Procedure on The Quality of a Three-Dimensional Reconstructed Artificial Tissue**
KINIKOĞLU F. B.
Hacettepe Journal of Biology and Chemistry, vol.45, no.3, pp.403-409, 2017 (Other Refereed National Journals)
- II. **Doku Mühendisliği Ürünü Yapay Deri Modellerinin Gelişimi ve Geleceği**
KINIKOĞLU F. B.
Turkiye Klinikleri J Med Oncol-Special Topics, vol.8, no.2, pp.63-66, 2015 (Other Refereed National Journals)

Books & Book Chapters

- I. **Electrospinning Materials for Skin Tissue Engineering**
KINIKOĞLU F. B.
in: Intelligent Nanomaterials, Ashutosh Tiwari, Yogendra Kumar Mishra, Hisatoshi Kobayashi and Anthony P.F. Turner, Editor, Scrivener Publishing, John Wiley and Sons, pp.3-20, 2017
- II. **Cell-Scaffold Interfaces in Skin Tissue Engineering**
KINIKOĞLU F. B.
in: Cell and Material Interface Advances in Tissue Engineering Biosensor Implant and Imaging Technologies, N. Engin Vrana, Kryzstof Iniewski, Editor, CRC Press, Taylor Francis Group, pp.147-162, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Obezite veya zayıflama ilaçlarının farmakolojik testleri için yağ kök hücrelerinden üç boyutlu yapay insan derisi oluşturulması**
KINIKOĞLU F. B.
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018
- II. **Reconstruction of Three-Dimensional Artificial Human Skin Models for Pharmacological Testing**
KINIKOĞLU F. B. , Damour O.
4th International Congress on Applied Biological Sciences, Eskişehir, Turkey, 3 - 05 May 2018
- III. **Closing the Gap on Orofacial Cleft A Genetics Primer for the Plastic Surgeon**
LIAO E., KINIKOĞLU F. B. , ETHIER R., GFRERER L., GRIMALDI M., KONG Y., EDWARD L., MUKHERJEE K., NGUYEN C., ROCHARD L.

55th Annual Meeting of the New England Society of Plastic and Reconstructive Surgeons, Sebasco Estates, Maine, United States Of America, 6 - 08 June 2014

IV. Capturing zebrafish neural crest cell plasticity in vitro

KINIKOĞLU F. B. , KONG Y., LIAO E. C.

Annual Meeting of the New England Society of Plastic and Reconstructive Surgeons, New Port, RI, United States Of America, 31 May - 02 June 2013

V. Application of zebrafish neural crest culture assays to elucidate stem cell properties

KINIKOĞLU F. B. , KONG Y., LIAO E. C.

Plastic Surgery Research Council, Santa Monica, CA, United States Of America, 2 - 04 May 2013

VI. Tissue engineering of full thickness human oral mucosa

KINIKOĞLU F. B. , AUXENFANS C., PIERRILLAS P., BRETON P., HASIRCI V. N. , Damour O.

23rd European Conference on Biomaterials (ESB), Tampere, Finland, 11 - 15 September 2010

VII. Importance of cell interactions in tissue engineering of oral mucosa

KINIKOĞLU F. B. , AUXENFANS C., PIERRILLAS P., BRETON P., HASIRCI V. N. , Damour O.

Tissue Engineering Regenerative Medicine International Society (TERMIS) Annual Meeting, Galway, Ireland, 13 - 17 June 2010

Memberships / Tasks in Scientific Organizations

Tıbbi Biyoloji ve Genetik Derneği, Member, 2020 - Continues, Turkey

European Society for Developmental Biology, Member, 2014 - Continues

Society for Developmental Biology, Member, 2011 - Continues

Biomaterials and Tissue Engineering Society, Turkey, Member, 2010 - Continues

Tissue Engineering & Regenerative Medicine International Society, Member, 2007 - Continues

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Cukurova University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Hacettepe University, Turkey, September 2020

Atla-Alternatives To Laboratory Animals, SCI Journal, June 2020

Artificial Cells Nanomedicine and Biotechnology, SCI Journal, January 2020

MATERIALS TODAY COMMUNICATIONS, SCI Journal, January 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ege University, Turkey, June 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Hacettepe University, Turkey, June 2018

ICGEB Supported Project, Marmara University, Turkey, June 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yalova University, Turkey, June 2018

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Istanbul Technical University, Turkey, June 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Near East University, Cyprus (Kktc), December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Koc University, Turkey, December 2017
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Koc University, Turkey, December 2017
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Koc University, Turkey, December 2017
TUBITAK Project, 1002 - Quick Support Program, Hatay Mustafa Kemal University, Turkey, March 2016

Tasks In Event Organizations

Kınkođlu Erol F. B. , ACU Tip Fakultesi Kampus Bulusmaları / Academic Enrichment Seminars, Scientific Congress, Turkey, Temmuz 2021

Citations

Total Citations (WOS):267
h-index (WOS):8

Scholarships

2232 Yurda Dönüş Araştırma Bursu, TUBITAK, 2014 - 2016
Postdoctoral Fellowship, University, 2011 - 2013
Postdoctoral Fellowship, Official Institutions of Foreign Countries, 2010 - 2011
Doktora Bursu, Official Institutions of Foreign Countries, 2007 - 2010
Doktora Bursu, TUBITAK, 2006 - 2010
Araştırma Görevliliđi, University, 2004 - 2006

Awards

Kınkođlu F. B. , Genç Bilim Kadını Ödülü, Unesco - L'oreal, April 2016
Kınkođlu F. B. , En İyi Tez Ödülü, Orta Dođu Teknik Üniversitesi, May 2012
Kınkođlu F. B. , European Doctoral Award, European Society For Biomaterials (Esb), September 2011
Kınkođlu F. B. , Doktora Ders Performans Ödülü, Orta Dođu Teknik Üniversitesi, September 2007
Kınkođlu F. B. , Yüksek Şeref Mezuniyet Derecesi (Lisans), Orta Dođu Teknik Üniversitesi, June 2003