

Assoc. Prof. FATMA BESTE KINIKOĞLU EROL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-9107-2017

Yoksis Researcher ID: 50876

Education Information

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

Post Doctorate, Université Claude Bernard-Lyon I, Hospices Civils de Lyon (HCL), Hôpital Edouard Herriot, France 2010 - 2011

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

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji (Dr), Turkey 2006 - 2010

Postgraduate, Bogazici University, Institute Of Science, Kimya Mühendisliği (YI) (Tezli), Turkey 2004 - 2006

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

Foreign Languages

French, C2 Mastery

Spanish, B1 Intermediate

English, C2 Mastery

Dissertations

Doctorate, Tissue engineering of full-thickness human oral mucosa, Université Claude Bernard-Lyon I, 2010

Postgraduate, Identification of perturbation-responsive key transcription factors in transcriptional regulatory networks, Bogazici University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2006

Academic Titles / Tasks

Associate Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, 2019 - Continues

Assistant Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, 2014 - 2019

Research Assistant PhD, Harvard University, Harvard Medical School and Massachusetts General Hospital, 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

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2022 - Continues

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

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Department Of Genomic Studies, 2021 - Continues

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

Program Değerlendirme Kurulu 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, Department Of Biochemistry And Molecular Biology, 2020 - Continues

Head of Department, Acibadem Mehmet Ali Aydınlar University, Faculty Of Pharmacy, Pharmaceutical Technology, 2016 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Department Of Medical Biotechnology, 2016 - Continues

Fakülte Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Faculty Of Pharmacy, 2016 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Department Of Biochemistry And Molecular Biology, 2014 - Continues

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

Yıl Koordinatörü, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2017 - 2020

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

Courses

Principles of Biotechnology: Biomaterials and Cell Therapies, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Regenerative Medicine for Master Students, Postgraduate, 2021 - 2022

Pharmaceutic Biotechnology: Cell and Gene Therapies, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Principles of Biotechnology: Biomaterials and Cell Therapies, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Nucleic Acid Amplification PCR, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Agarose Gel Electrophoresis, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Basic Lab Skills Pipetting, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Scientific measurements and calculations, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Concept of Cell: prokaryotes, eukaryotes and multicellular life, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Basic Molecular Biology and Genetics Techniques: Cell Culture and Cloning, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Chemical equilibrium and kinetics, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Organic Functional Groups in Medicine, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Gases, liquids and solids, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
DNA Isolation, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Regenerative Medicine, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Chemical bonds and reactions, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
PBL: Jaundice , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Medical Biology and Genetics, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Acids and bases, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Structure and function of DNA, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Organic Chemistry, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Biomaterials, Postgraduate, 2017 - 2018
Hücre Biyolojisi, Postgraduate, 2017 - 2018
Temel Moleküler Biyoloji ve Genetik Teknikleri, Postgraduate, 2017 - 2018
İleri Hücre Biyolojisi, Doctorate, 2017 - 2018
Advanced Biomaterials, Doctorate, 2017 - 2018
Nükleik Asitlerin Yapı ve İşlevi, Doctorate, 2017 - 2018
General Chemistry, Undergraduate, 2015 - 2016
Deri Doku Mühendisliği, Undergraduate, 2014 - 2015
Genel Kimya, Undergraduate, 2014 - 2015
Yapay Dokular ve Organlar, Undergraduate, 2014 - 2015
Organik Kimya, Undergraduate, 2014 - 2015, 2013 - 2014

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, May, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, December, 2021
Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, July, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, June, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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. N.
BIOMATERIALS, vol.32, no.25, pp.5756-5764, 2011 (SCI-Expanded)
- 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. N.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.6, pp.1541-1554, 2011 (SCI-Expanded)
- 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. N., Damour O.
BIOMATERIALS, vol.30, no.32, pp.6418-6425, 2009 (SCI-Expanded)
- 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 (SCI-Expanded)

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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)

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.

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, Austria
Society for Developmental Biology, Member, 2011 - Continues, United States Of America
Biomaterials and Tissue Engineering Society, Member, 2010 - Continues, Turkey
Tissue Engineering & Regenerative Medicine International Society, Member, 2007 - Continues, Portugal

Metrics

Publication: 23
Citation (WoS): 315
Citation (Scopus): 350
H-Index (WoS): 8
H-Index (Scopus): 8

Awards

Kınkođlu F. B., Gen Bilim Kadımı dl, Unesco - L'oreal, April 2016

Kınkođlu F. B., En İyi Tez dl, Orta Dođu Teknik niversitesi, May 2012

Kınkođlu F. B., European Doctoral Award, European Society For Biomaterials (Esb), September 2011

Kınkođlu F. B., Doktora Ders Performans dl, Orta Dođu Teknik niversitesi, September 2007

Kınkođlu F. B., Yksek Őeref Mezuniyet Derecesi (Lisans), Orta Dođu Teknik niversitesi, June 2003