

## **Assoc. Prof. FATMA BESTE KINIKOĞLU EROL**

### **Personal Information**

**Email:** Beste.Kinikoglu@acibadem.edu.tr

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### **International Researcher IDs**

ORCID: 0000-0002-1806-3398

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

Program Değerlendirme Kurulu Üyesi, 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

Bölüm Kalite Komisyonu Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Department Of Biochemistry And Molecular Biology, 2020 - 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

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

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

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Department Of Biochemistry And Molecular Biology, 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.  
Türkiye 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): 308  
Citation (Scopus): 335  
H-Index (WoS): 8  
H-Index (Scopus): 8

## Awards

Kınikoğlu F. B., Genç Bilim Kadını Ödülü, Unesco - L'oreal, April 2016

Kınikoğlu F. B., En İyi Tez Ödülü, Orta Doğu Teknik Üniversitesi, May 2012

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

Kınikoğlu F. B., Doktora Ders Performans Ödülü, Orta Doğu Teknik Üniversitesi, September 2007

Kınikoğlu F. B., Yüksek Şeref Mezuniyet Derecesi (Lisans), Orta Doğu Teknik Üniversitesi, June 2003