

**Asst. Prof. SIDIKA TAPŞIN
GÜLLÜOĞLU**



Personal Information

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International Researcher IDs

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Education Information

Doctorate, National University of Singapore, Yong Loo Lin School of Medicine ,
Biochemistry, Turkey 2016 - 2019
Postgraduate, Yeditepe University, Institute Of Biotechnology, Turkey 2011 - 2015
Undergraduate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik
Bölümü, Turkey 2006 - 2010

Biography

Sidika Tapsin, PhD is an Assistant Professor at Marmara University. Tapsin has received her MSc from Yeditepe University by her working on mechanism of boron derivatives for treatment of renal cell carcinoma. Additionally, she has extensive experience and knowledge on isolation, characterization and differentiation of stem cells from tissues and their replantation for cell therapy. Tapsin has received her PhD from National University of Singapore by her work about genome-wide identification and functional characterization of RNA aptamers in bacteria and yeast. She also has experience on mapping of genome-wide RNA-RNA interaction on human and bacteria involving Next-Gen sequencing library preparation and analysis. Tapsin is interested in drug development and revealing their mechanisms; RNA vaccine researches and analysis of microbiome and microbiota changes upon disease progression or drug treatments studies.

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Vocational Training, Deney Hayvanları Kullanım Sertifikası, Yeditepe University, 2015

Dissertations

Doctorate, GENOME-WIDE IDENTIFICATION OF RNA SENSORS IN PROKARYOTES AND EUKARYOTES, National University of Singapore, Yong Loo Lin School of Medicine, Biochemistry, 2019
Postgraduate, MECHANISM OF BORON DERIVATIVES FOR TREATMENT OF RENAL CELL CARCINOMA, Yeditepe

University, Institute Of Biotechnology, 2014

Research Areas

Medicine, Biotechnology, Molecular Biology and Genetics, Genetic Disorders, Genetic Engineering, Genomics, Animal Molecular Genetics, Molecular Biology of Cancer, Microbial Genetics

Academic Titles / Tasks

Assistant Professor, Marmara University, School Of Medicine, Basic Medical Sciences, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Suppressor Effects of Sodium Pentaborate Pentahydrate and Pluronic F68 on Adipogenic Differentiation and Fat Accumulation**
Yilmaz A. B. , Tapsin S., Elbasan E. B. , Kayhan H. D. , Sahin F., Turkel N.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.193, no.2, pp.390-399, 2020 (Peer-Reviewed Journal)
- II. **Genome-wide identification of natural RNA aptamers in prokaryotes and eukaryotes**
Tapsin S., Sun M., Shen Y., Zhang H., Lim X. N. , Susanto T. T. , Yang S. L. , Zeng G. S. , Lee J., Lezhava A., et al.
NATURE COMMUNICATIONS, vol.9, 2018 (Peer-Reviewed Journal)
- III. **Tooth replantation with adipose tissue stem cells and fibrin sealant: microscopic analysis of rat's teeth.**
Demirel S., Yalvac M. E. , Tapsin S., Akyuz S., AK E., ÇETİNEL Ş., YARAT A., ŞAHİN F.
SpringerPlus, vol.5, pp.656, 2016 (Peer-Reviewed Journal)
- IV. **In Vivo Mapping of Eukaryotic RNA Interactomes Reveals Principles of Higher-Order Organization and Regulation**
Aw J. G. A. , Shen Y., Wilm A., Sun M., Lim X. N. , Boon K., Tapsin S., Chan Y., Tan C., Sim A. Y. L. , et al.
MOLECULAR CELL, vol.62, no.4, pp.603-617, 2016 (Peer-Reviewed Journal)
- V. **Isolation and characterization of dental pulp stem cells from a patient with Papillon-Lefèvre syndrome.**
Tasli P. N. , Tapsin S., Demirel S., Yalvac M. E. , Akyuz S., YARAT A., ŞAHİN F.
Journal of endodontics, vol.39, no.1, pp.31-8, 2013 (Peer-Reviewed Journal)

Metrics

Publication: 5

Citation (WoS): 187

Citation (Scopus): 193

H-Index (WoS): 4

H-Index (Scopus): 4

Scholarships

Singapore International Graduate Award (SINGA) - A*Star, Official Institutions of Foreign Countries, 2015 - 2019

Travel award, Other International Organizations, 2016 - 2016

Lisansüstü Öğrenci Bursu, University, 2011 - 2014

Summer Research Internship Scholar, Other International Organizations, 2011 - 2011