Res. Asst. PhD MELİKE YÜKSEL

Personal Information

Office Phone: +90 312 305 1499 Extension: 130
Email: melike.ytek@hacettepe.edu.tr
Web: https://avesis.hacettepe.edu.tr/melike.ytek
Address: Hacettepe Üniversitesi Eczacılık Fakültesi Biyokimya Anabilim Dalı

International Researcher IDs
ORCID: 0000-0001-9795-0691
ScopusID: 57194020246
Yoksis Researcher ID: 201991

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 2012 - 2017
Postgraduate, Georg-August-Universitaet Göttingen, Biyoloji Fakültesi, Mürobiyoloji-Biyokimya, Germany 2009 - 2011
Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Moleküler Biyoloji Ve Genetik, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced
German, B1 Intermediate

Dissertations

Doctorate, Fenotiyazin yapılı bileşiklerin amiloid prekürsör protein ve amiloid beta peptitler üzerindeki etkilerinin araştırılması, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr), 2017
Postgraduate, Roles of long chain acyl-CoA synthetases (LACS)in lipid metabolism of Arabidopsis, Georg-August-Universitaet Göttingen, Biyoloji Fakültesi-Mikrobiyoloji-Biyokimya Yüksek Lisans Programı, 2011

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Biochemistry, Life Sciences, Plant Biology, Plant Tissue Culture, Biochemistry, Plant Biochemistry, Molecular Biochemistry, Neurobiology, Neurochemistry, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Toluidine blue O attenuates tau phosphorylation in N2a-APPSwe cells**
Onder S., BİBEROĞLU K., Yuksel M., TACAL Ö.
Chemico-Biological Interactions, vol.366, 2022 (SCI-Expanded)

II. **Effects of toluidine blue O and methylene blue on growth and viability of pancreatic cancer cells**
BİBEROĞLU K., YÜKSEL M., ÖNDER S., TACAL Ö.
DRUG DEVELOPMENT RESEARCH, vol.83, no.4, pp.900-909, 2022 (SCI-Expanded)

III. **Trafficking and proteolytic processing of amyloid precursor protein and secretases in Alzheimer's disease development: An up-to-date review**
YÜKSEL M., TACAL Ö.
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.856, 2019 (SCI-Expanded)

IV. **Azure B affects amyloid precursor protein metabolism in PS70 cells**
BİBEROĞLU K., YÜKSEL M., TACAL Ö.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.299, pp.88-93, 2019 (SCI-Expanded)

V. **Toluidine blue O modifies hippocampal amyloid pathology in a transgenic mouse model of Alzheimer's disease**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., Akbulut K. G., TACAL Ö.
BIOCHIMIE, vol.146, pp.105-112, 2018 (SCI-Expanded)

VI. **Effects of phenothiazine-structured compounds on APP processing in Alzheimer's disease cellular model**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., Akbulut K. G., TACAL Ö.
BIOCHIMIE, vol.138, pp.82-89, 2017 (SCI-Expanded)

VII. **Azure B reduces extracellular amyloid-beta levels in PS70 cells**
BİBEROĞLU K., YÜKSEL TEK M., ÖNDER S., TACAL Ö.
FEBS JOURNAL, vol.283, pp.266, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **The effects of phenothiazine dyes on GAG-modified APLP2 and β-secretase 1 levels in Hs766t cells''**
BİBEROĞLU K., YÜKSEL M., ÖNDER S., TACAL Ö.
TBD Uluslararası Biyokimya Kongresi 2018 // 29. Ulusal Biyokimya Kongresi, 26 - 30 October 2018

II. **Toluidine blue O reduces APLP2 and APLP2 CTF levels in Hs766T cells**
BİBEROĞLU K., YÜKSEL M., ÖNDER S., TACAL Ö.
43rd FEBS Congress, 7 - 12 July 2018

III. **The Inhibitory effects of phenothiazine dyes on B-secretase**
BİBEROĞLU K., YÜKSEL M., ÖNDER S., TACAL Ö.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018

IV. **Phenothiazine-structured compounds have different effects on secretases with therapeutic potential in Alzheimer's disease**
YÜKSEL M., TACAL Ö.
12th International Symposium on PharmaceuticalSciences, 26 - 29 June 2018

V. **Toluidine blue o but not thionine alters APP procesing in 3XTg-AD mice**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., AKBULUT K. G., TACAL Ö.
42nd Congress of the FEBS, 10 - 14 September 2017, vol.284

VI. **Toluidine blue O, but not thionine, alters APP processing in 3xTg-AD mice**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., AKBULUT K. G., TACAL Ö.
42nd FEBS CONGRESS, 10 - 14 September 2017, vol.284

VII. **Effect of toluidine blue O on tau pathology in an Alzheimer'xxs disease animal model.**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., AKBULUT K. G., TACAL Ö.
FEBS Advanced Lecture Course ALC17-012 Nuclear Receptors and Epigenomic Mechanisms in Human disease and Aging, 26 August - 01 September 2017

VIII. **Effect of toluidine blue O on tau pathology in an Alzheimer's disease animal model**
YÜKSEL M., BİBEROĞLU K., ÖNDER S., AKBULUT K. G., TACAL Ö.
FEBS Advanced Lecture Course ALC17-012 Nuclear Receptors and Epigenomic Mechanisms in Human Disease and Aging, Spetses, Greece, 26 August - 01 September 2017

IX. **The combined role of long chain acyl CoA synthetase 2 long chain acyl CoA synthetase 4 and long chain acyl CoA synthetase 9 in the development of Arabidopsis roots**
YÜKSEL TEK M., FULDA M.
IV. International Congress of the Molecular Biology Association of Turkey, 27 - 29 November 2015

X. **The effect of thionine on amyloid beta peptide levels in PS70 cells**
YÜKSEL TEK M., BİBEROĞLU K., Önder S., AKBULUT K. G., TACAL Ö.
12th International Meeting on Cholinesterases-Sixth International Conference on Paraoxonases, 27 September - 02 October 2015

XI. **THE EFFECT OF TOLUIDINE BLUE O ON AMYLOID b PEPTIDE LEVELS IN HUMAN NEUROBLASTOMA CELLS**
YÜKSEL TEK M., BİBEROĞLU K., ÖNDER S., AKBULUT K. G., TACAL Ö.
40th Congress of The Federation of European Biochemical Societies (FEBS), 4 - 09 July 2015, vol.282, pp.177

Supported Projects

TACAL Ö., BİBEROĞLU K., YÜKSEL M., ÖNDER S., Project Supported by Higher Education Institutions, Fenotiyazin yapısındaki kolinesteraz inhibitörlerinin amiloid prekürsör protein metabolizması ve tau üzerindeki etki mekanizmalarının araştırılması, 2019 - 2022

BİBEROĞLU K., YÜKSEL TEK M., ÖNDER S., TACAL Ö., Project Supported by Higher Education Institutions, İnsan pankreas kanseri hücre hattında fenotiyazin yapılı bileşiklerin amiloid prekürsörbenzeri protein 2 üzerindeki etkilerinin değerlendirilmesi ve etki mekanizmalarının araştırılması, 2017 - 2021

TACAL Ö., YÜKSEL TEK M., Project Supported by Higher Education Institutions, Fenotiyazin Yapılı Bileşiklerin Amiloid Prekürsör Protein Ve Amiloid Beta Peptitler Üzerindeki Etkilerinin Araştırılması, 2017 - 2017

UÇAR G., ERİKÇİ A., BAYSAL İ., ERCAN A., YÜKSEL TEK M., BİBEROĞLU K., TÜYLÜ KÜÇÜKKILINÇ Z. T., AYAZGÖK B., TACAL Ö., YABANOĞLU ÇİFTÇİ S., et al., Project Supported by Higher Education Institutions, ECF385 Biyokimya III Laboratuvar Ders İçeriğinin Klinik Biyokimya Yöntemleri ile Zenginleştirilerek Güncellenmesi, 2015 - 2016

BİBEROĞLU K., ÖNDER S., TACAL Ö., YÜKSEL TEK M., Project Supported by Higher Education Institutions, Azur B'nin amiloid beta peptidler üzerindeki etkilerinin araştırılması, 2015 - 2016

Metrics

Publication: 19
Citation (WoS): 28
Citation (Scopus): 39
H-Index (WoS): 3
H-Index (Scopus): 3