

CURRICULUM VITAE

Name and Surname: Öykü GÖNÜL GEYİK

Academic Title: PhD

Work Address: İstinye University

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Languages:

- Turkish (Native)
- e-YDS 2019/11 score: 90 (Level: A)
- TOEFL (IBT) score: 90 (2011)

Certificates and Trainings:

- ALES 2019/3 computational score: 85,6
- Biological Materials Shipper Training (2018, National Institutes of Health)
- NIH Annual Ethics Training 2018 (2018, National Institutes of Health)
- Information Security and Management Training (2018, National Institutes of Health)
- Introduction to Lab Safety Line Training (2018, National Institutes of Health)
- NIH Laboratory Safety Training (2018, National Institutes of Health)
- Laboratory Safety Training (2017, ARLAB / Dokuz Eylül University)
- Employee Safety and Health Training (2017, Dokuz Eylül University)
- Experimental Animal Use Certificate (2015, Dokuz Eylül University)

Area of Expertise:

Derece	Bölüm/Program	Üniversite	Yıl
BSc	Biochemistry	Ege University	2011
MSc	Medical Biochemistry	Ege University	2013
PhD	Medical Biology and Genetics	Dokuz Eylül University	2020

BSc Thesis and Supervisor: Conversion of the evolutionary conserved tyrosine residue of 6-phospho- β -glycosidase enzyme isolated from *Thermotoga maritima* to alanine and evaluating of its effects on activity, Doç.Dr.Serap EVRAN

MSc Thesis and Supervisor: Effects of *Ganoderma lucidum* Extracts on miRNA Profile and Telomerase Activity of MCF-7 Breast Cancer Cell Line, Prof. Dr. Handan AK

PhD Thesis and Supervisor: Investigation of cancer cell populations in an in vitro intratumoral heterogeneity model of solid tumors, Supervisor: Doç. Dr. Zeynep YÜCE, Co-supervisor: Thomas RIED, MD, PhD

Participated Projects:

- **Scholar**
2018-2019 TÜBİTAK 2214 - A International Doctoral Research Fellowship Program
Project: Investigating the aneuploidy related genetic heterogeneity on therapeutic resistance in colon cancer model
Supervisor: Thomas Ried, MD, PhD
- **Scholar**
Project: 2017-2020 TÜBİTAK 1001 Projesi (116Z300)
Investigation of cancer cell populations in an in vitro intratumor heterogeneity model of solid tumors
Coordinator: Doç. Dr. Zeynep YÜCE
- **Researcher**
2016-2019 Dokuz Eylül Üniversitesi BAP Projesi
Project: Establishment of a Cell Line Collection under Dokuz Eylül University Medical School Research Laboratory
Coordinator: Doç. Dr. Zeynep YÜCE
- **Scholar**
2016 TÜBİTAK 1001 Projesi (115S504)
Project: Investigating the functional effects of Matrix Metalloproteinase-9 on regulation of voltage-gated sodium channels Nav1.5 and $\alpha 1$ in metastatic MDA-MB-231 human breast cancer cell line
Coordinator: Prof. Dr. Gülgün OKTAY
- **Researcher**
2015-2016 Ege Üniversitesi-Dokuz Eylül Üniversitesi Ortak Proje
Project: Synthesis of single glucose oxidase nanoparticles and their potential use in cancer therapy
Coordinator: Prof. Dr. Ali KILINÇ
- **Researcher**
2013-2016 Dokuz Eylül Üniversitesi BAP Projesi
Project: Effects of tyrosine kinase inhibitor Imatinib on autophagy in BCR-ABL positive leukemia cells
Coordinator: Doç. Dr. Zeynep YÜCE

Administrative Functions:

Erasmus Programme Coordinator of Istinye University Faculty of Health Sciences

Memberships:

- "Turkish Biochemistry Association" (FEBS member)
- "Medical Biology and Genetics Association"

Awards:

2018-2019 Scholarship from TÜBİTAK BİDEB 2214/A International Doctoral Research Fellowship Program

EK-2

2015-2017 Qualified to have a PhD student bursary from Turkish Government.

2007-2008 Achieved to be the 1st in class by CGPA in the university and a reimbursement as a reward.

Classes taught:

Academic Year	Semester	Class	Number of Students
2019-2020	Fall		
	Spring	Research Techniques	53
2019-2020	Fall		
	Spring	Research Techniques	76
2019-2020	Fall		
	Spring	Genetics	44
2019-2020	Fall		
	Spring	Molecular endocrinology&Hormones	30

Publications

International peer-reviewed articles:

Baykal-Köse S, Acikgoz E, Yavuz AS, Gönül Geyik Ö, Ateş H, Sezerman OU, et al. (2020) Adaptive phenotypic modulations lead to therapy resistance in chronic myeloid leukemia cells. PLoS ONE 15(2): e0229104. <https://doi.org/10.1371/journal.pone.0229104>

Geyik O.G, Nalbant B, Husemoglu R.B, Yuce Z, Unek T, Havitcioglu H. Investigation of Surface Adhesion of MCF-7 Cells in 3D Printed PET and PLA Tissue Scaffold Models, 2019 Journal of Medical Innovation and Technology. ISSN : 2667-8977 E-ISSN: 2687-3834 1 (2), pp. 45-50.

Gonul, O., Aydin, H.H., Kalmis, E., Kayalar, H., Ozkaya, A.B., Atay, S., Ak, H., Effects of Ganoderma lucidum (Higher Basidiomycetes) Extracts on the miRNA Profile and Telomerase Activity of the MCF-7 Breast Cancer Cell Line, (2015) International Journal of Medicinal Mushrooms, 17 (3), pp. 231-239.

Presentations in international meetings published in proceedings:

R.B.Husemoglu, B.Nalbant, O.Gonul Geyik, T.Unek, Z.Yuce, H.Havitcioglu. Investigation of Surface Adhesion Abilities of MCF-7 Cells on 3D Printed PCL and PLA Scaffold Models, 2019 2nd International Cancer & Ion Channels Congress, 22-24 Eylül 2019,İzmir/TÜRKİYE
FULL TEXT: Turkish Journal of Biochemistry 2019. Published Online: 2019-12-06 | DOI:

<https://doi.org/10.1515/tjb-2019-44s206> Citation Information: Turkish Journal of Biochemistry, Volume 44, Issue s2, Pages 24–64, ISSN (Online) 1303-829X, ISSN (Print) 0250-4685, DOI: <https://doi.org/10.1515/tjb-2019-44s206>.

Zeynep Yüce, Seda Baykal Köse, Öykü Gönül Geyik, Ahmet Sinan Yavuz, Eda Açıkgöz, Halil Ateş, Uğur Sezerman, Güner Hayri Özsan. An Adaptive Phenotypic Shift Leads to TKI Resistance by Acquisition Of Leukemic Stem Cell-Like Properties in CML Cells, 2019 2nd İstanbul Immunohematology Summit, 2-4 Mayıs 2019, İstanbul/TÜRKİYE

Seda Baykal-Köse, Ahmet Sinan Yavuz, Eda Açıkgöz ,Öykü Gönül-Geyik, Halil Ateş, Uğur Sezerman, Güner Hayri Özsan and Zeynep Yüce. Investigation of the relationship between cellular adaptation and therapeutic resistance in chronic myeloid leukemia cells under imatinib pressure, 2019 1st INTERNATIONAL MULTIDISCIPLINARY CANCER RESEARCH CONGRESS, 18-22 Eylül 2019, Diyarbakır/TÜRKİYE

Öykü Gönül Geyik, Darawalee Wangsa, Thomas Ried, Zeynep Yüce. Investigation of cell populations in an in vitro intratumoral heterogeneity model of solid tumors, 2019 2nd International Cancer & Ion Channels Congress, 22-24 Eylül 2019, İzmir/TÜRKİYE

Ö. GÖNÜL GEYİK, D. W. ZONG, Z. YÜCE & T. RIED, Role Of Whole Genome Duplication In Chromosomal Instability, Poster Sunumu, NIH Research Festival 2018, 12 Eylül 2018, 14 Eylül 2018, Bethesda MD, ABD

R. COHEN, D. W. ZONG, Ö. GÖNÜL GEYİK & T. RIED, DNA Ploidy Correlates With Response To Chemotherapeutics, Poster Sunumu, NIH Summer Research Program Poster Day, 09 Ağustos 2018, 09 Ağustos 2018, Bethesda MD, ABD

Baykal, S., Gonul Geyik, O., Ates, H., Efe, H., Yuce, Z. (2016). Effects of tyrosine kinase inhibitor Imatinib on autophagy in BCR-ABL positive leukemia cells. FEBS J, 283: P-02.03.3-010. DOI:10.1111/febs.13903. 41st FEBS Congress, 3-8 Eylül 2016, Aydın/TÜRKİYE

T. Rrustemi, O. Gonul Geyik, A. B. Ozkaya, T. K. Ozturk, Z. Yuce, A. Kilinc (2016). Synthesis of single glucose oxidase nanoparticles and their potential use in cancer therapy. FEBS J, 283: P-MIS-049. doi: 10.1111/febs.13808. 41st FEBS Congress, 3-8 Eylül 2016, Aydın/TÜRKİYE

Öykü Gönül, Hikmet Hakan Aydın, Erbil Kalmış, Hüsniye Kayalar, Handan Ak Çelik (2013). Effects of G. Lucidum extract on miRNA profile & telomerase activity in MCF7 breast cancer cell line. TurkJBiochem, 38 (1), pp.84, e-ISSN:1303-829X. 25th National Biochemistry Congress, 3-6 Eylül 2013, İzmir/TÜRKİYE

Presentations in national meetings published in proceedings:

Ö. GÖNÜL GEYİK, H. EFE, S. BAYKAL KÖSE, Ö. UYSAL, D. W. ZONG, T. RIED & Z. YÜCE, In Vitro Tümör Heterojenite Modelinde Farklı Tümör Hücre Popülasyonlarının Genetik Ve Biyolojik Özelliklerinin İncelenmesi, 13. Uluslararası Katılımlı Ulusal Tıbbi Genetik Kongresi, 07 Kasım 2018, 11 Kasım 2018, Antalya/TÜRKİYE

Other Publications

Selin Ece, Öykü Gönül, Göksu Özcanhan, Serap Evran. (2011). Mutational analysis of the evolutionary conserved Tyrosine 294 residue on 6-phospho-beta-glucosidase. The International Congress on Bioinformatics and Biomics, 18-22 Mayıs 2011, Aydın/TÜRKİYE