

ÖZGEÇMİŞ

1. Adı Soyadı	:Yaprak Dönmez Çakıl		
İletişim Bilgileri			
Mail	:yaprak.cakil@maltepe.edu.tr		
2. Doğum Tarihi	:28/05/1984		
3. Unvanı	:Dr.		
4. Öğrenim Durumu	:		
Derece	Alan	Üniversite	Yıl
Lisans (BSc)	Biyoloji	Orta Doğu Teknik Üniversitesi	2007
Yüksek Lisans (MSc)	Biyoloji	Orta Doğu Teknik Üniversitesi	2010
Doktora (PhD)	Interdisciplinary PhD Programme N094: Malign Diseases	Medical University of Vienna	2015
5. Akademik deneyim	Araştırma Görevlisi: Biyolojik Bilimler Bölümü, Orta Doğu Teknik Üniversitesi. 2007-2010. Araştırmacı: Max F. Perutz Laboratories, Viyana. Ocak 2011- Mayıs 2011		
6.1. Yüksek Lisans Tezi:	Doksorubisine dirençli MCF-7 meme kanseri hücre hattında çoklu ilaç dirençliliğinin siRNA kullanılarak geri dönüştürülmesi - Reversal of multidrug resistance by small interfering RNAs (siRNA) in doxorubicin resistant MCF-7 breast cancer cells		
6.2. Doktora Tezi:	ABC taşıyıcı protein ABCB1'in taşıma döngüsü üzerine yapısal çalışmalar - Structural studies on the transport cycle of the ABC transporter ABCB1		
7. Yayınlar			
7.1. Uluslar arası hakemli dergilerde yayınlanan makaleler:			
Dönmez Cakil Y, Khunweeraphong N, Parveen Z, Schmid D, Artaker M, Ecker GF, Sitte HH, Pusch O, Stockner T, Chiba P (2014) Pore-exposed tyrosine residues of P-glycoprotein are important hydrogen-bonding partners for drugs. Mol Pharmacol 85(3):420-8. Times Cited: 5			
Mairinger S, Wanek T, Kuntner C, Dönmez Y, Strommer S, Stanek J, Capparelli E, Chiba P, Muller M, Colabufo NA and Langer O (2012) Synthesis and preclinical evaluation of the radiolabeled P-glycoprotein inhibitor [(11)C]MC113. Nucl Med Biol 39(8): 1219-1225. Times Cited: 15			
Dönmez Y, Gündüz U. 2011. Reversal of multidrug resistance by small interfering RNA (siRNA) in doxorubicin-resistant MCF-7 breast cancer cells. Biomed Pharmacother 65(2):85-9. Times Cited: 16			
Dönmez Y, Akhmetova L, Iseri ÖD, Kars MD, Gündüz U. 2011. Effect of MDR modulators verapamil and promethazine on gene expression levels of MDR1 and MRP1 in doxorubicin resistant MCF-7 cells. Cancer Chemoth Pharm 67(4):823-8. Times Cited: 40			

7.2. Yazılan Uluslar arası kitaplar veya kitaplarda bölümler:

Chiba P, Ecker GF, Nasim F, **Dönmez Cakil Y** (2016) Interaction of ABC Transporters with Drugs. George AM (Ed.) ABC Transporters - 40 Years On. Springer. Sayfa: 135-153.

7.3. Uluslar arası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler:

1. Nasim F, Dönmez Cakil Y, Weitzenböck HP, Sitte HH, Sohail A, Szakacs G, Stockner T, Chiba P: Decrypting the role of apical pore tyrosine residues in formation of the extracellular gate of human P-glycoprotein. Poster sunumu, 6th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 5 - 11, 2016, Innsbruck, Avusturya.
2. Dönmez Cakil Y, Szaloki G, Goda K, Parveen Z, Türk D, Szakacs G, Chiba P, Stockner T: Coupling of energy conversion at the motor domains to conformational changes in the transmembrane domain of ABCB1. Poster sunumu, 6th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 5 - 11, 2016, Innsbruck, Avusturya.
3. Stockner T, Dönmez Y, Chiba P: In silico studies of ABCB1: a helmet makes all the difference! Poster sunumu, ATP-Binding Cassette Transporters: From Mechanism to Organism, Nisan 16- 18, 2015, University of Chester, Birleşik Krallık.
4. Stockner T, Dönmez Cakil Y, Chiba P: Equilibrium conformation of substrate releasing state of P-glycoprotein in a membrane environment. Sözlü sunum, 20th Scientific Symposium of the Austrian Pharmacological Society (APHAR), Eylül 26-27, 2014, Innsbruck, Avusturya.
5. Stockner T, Dönmez Cakil Y, Jayaraman K, Chiba P, Sitte HH: Structure – function relationship: SLC6 and ABCB membrane transporters seen through the computational magnification lense. Sözlü sunum, 7th SFB35 Symposium 2014, Eylül 8-19, 2014, Viyana, Avusturya.
6. Dönmez Cakil Y, Chiba P, Stockner T: Conformational changes in P-glycoprotein: from outer leaflet to NBD-NBD interface. Poster sunumu, 7th SFB35 Symposium 2014: Transmembrane Transporters in Health and Disease ,Eylül 8-19, 2014, Viyana, Avusturya.
7. Spork M, Sohail MI, Dönmez Y, Stockner T, Ecker GF, Chiba P: Rescue of ABCB1 domain-interface mutants by folding correctors. Poster sunumu, 7th SFB35 Symposium 2014: Transmembrane Transporters in Health and Disease, Eylül 8-19, 2014, Viyana, Avusturya.
8. Dönmez Cakil Y, Chiba P, Stockner T: Characterization of the outward-facing conformation of the ABC transporter P-glycoprotein. Poster sunumu, 5th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 8 - 14, 2014, Innsbruck, Avusturya.
9. Chiba P, Dönmez Y, Spork M, Sohail MI, Nasim F, Stockner T: Active site pharmacochaperones assist folding of ABCB1 by long range interactions between substrate binding sites and nucleotide binding domains. Poster sunumu, 5th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 8 - 14, 2014, Innsbruck, Avusturya.
10. Stockner T, Dönmez Y, Chiba P: Combining in vitro with in silico studies to obtain insights into substrate transport by the multidrug resistance protein P-glycoprotein. Poster sunumu, Role of Multidrug Resistance Proteins in Pharmacokinetics and Toxicology, Eylül 3-6, 2013, Ryn, Polonya.
11. Stockner T, Dönmez Y, Chiba P: Combining in vitro with in silico studies to obtain insights into substrate transport by the multidrug resistance protein P-glycoprotein. Sözlü sunum, BioMedical Transporters: Transporters and Channels in Drug Discovery and Preclinical Development, Ağustos 11 - 15, 2013, St. Moritz, İsviçre.
12. Dönmez Y, Khunweeraphong N, Parveen Z, Sitte HH, Chiba P, Stockner T: Pore exposed tyrosine residues of P-glycoprotein are important hydrogen bonding partners for drugs. Poster sunumu, BioMedical Transporters: Transporters and Channels in Drug Discovery and Preclinical Development, Ağustos 11 - 15, 2013, St. Moritz, İsviçre.
13. Stockner T, Dönmez Y, Chiba P: We have several ABC exporter crystal structures: do they tell us the right story? Poster sunumu, 3rd Visegrad Symposium on Structural Systems Biology, Haziran 19-22, 2013, Smolenice, Slovakya.
14. Stockner T, Dönmez Y, Chiba P: The ATP bound state of P-glycoprotein is closed towards the cell exterior. Sözlü sunum, Membrane Transporters & Channels & Their Role in Human Disease, Aralık, 6, 2012, University of South Wales, Birleşik Krallık.

15. Kudlacek O, Dönmez Y, Stockner T, Chiba P, Fressmuth M: ABC transporters of Fasciola hepatica. Poster sunumu, 5th SFB Symposium 2012: Transmembrane Transporters in Health and Disease, Eylül 24- 25, 2012, Viyana, Avusturya.
16. Dönmez Y, Chiba P and Stockner T: Characterization of the outward-facing conformation of the ABC transporter P-glycoprotein. Poster sunumu, 5th SFB Symposium 2012: Transmembrane Transporters in Health and Disease, Eylül 24 - 25, 2012, Viyana, Avusturya.
17. Dönmez Y, Parveen Z, Schmid D, Spork M, Sitte HH, Ecker GF, Stockner T, Chiba P: Role of pore-exposed tyrosine residues in the transmembrane segments of human P-glycoprotein for transport function and trafficking. Poster sunumu, 5th SFB Symposium 2012: Transmembrane Transporters in Health and Disease, Eylül 24 - 25, 2012, Viyana, Avusturya.
18. Spork M, Parveen Z, Dönmez Y, Sucic S, Freissmuth M, Ecker GF, Stockner T, Chiba P: ER-export of wild-type ABCB1 domain interface mutants by folding correctors. Poster sunumu, 5th SFB Symposium 2012: Transmembrane Transporters in Health and Disease, Eylül 24 - 25, 2012, Viyana, Avusturya.
19. Parveen Z, Spork M, Dönmez Y, Gstach H, Stockner T, Trauner M, Ecker G, Freissmuth M, Sitte H, Chiba P: Interaction of ABC subfamily B transports with small molecules. Poster sunumu, 4th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 3- 9, 2012, Innsbruck, Avusturya.
20. Stockner T, Dönmez Y, Parveen Z, Chiba P: Which conformation does the ABC transporter P-glycoprotein adopt in the physiological membrane environment? Poster sunumu, 4th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 3- 9, 2012, Innsbruck, Avusturya.
21. Dönmez Y, Parveen Z, Chiba P, Stockner T: The NBD-NBD interface is not the sole determinant for transport in ABC transporters. Poster sunumu, 4th FEBS Special Meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Diseases, Mart 3- 9, 2012, Innsbruck, Avusturya.
22. Stockner T, Dönmez Y, Parveen Z, Chiba P: Which conformation does the ABC transporter P-glycoprotein adopt in the physiological membrane environment? Sözlü sunum, 18th Scientific Symposium of the Austrian Pharmacological Society (APHAR), Eylül 20-21, 2012, Graz, Avusturya.
23. Kudlacek O, Dönmez Y, Stockner T: ABC transporters of the liver fluke Fasciola hepatica. Poster sunumu, 18th Scientific Symposium of the Austrian Pharmacological Society (APHAR), Eylül 20-21, 2012, Graz, Avusturya
24. Nil Z, Dönmez Y, Darcansoy İseri Ö, Demirel Kars M, Gündüz: Expression of the Ceramide Metabolizing Enzymes In Drug Resistant MCF-7 Cells. Poster sunumu, I. International Multidisciplinary Cancer Research Congress, Mayıs 21-24 2009, Antalya, Türkiye.
25. Dönmez Y, İseri ÖD, Kars MD, Gündüz U: Analysis of β -tubulin isotypes and apoptotic gene expression in response to paclitaxel treatment in MCF-7 breast carcinoma cell lines. EMBO Young Scientists Forum, Şubat 20-22 2008, İstanbul, Türkiye.

7.4. Ulusal hakemli dergilerde yayınlanan makaleler

7.5. Ulusal bilimsel toplantılarda sunulan bildiri kitabında basılan bildiriler:

1. Akhmetova L, Dönmez Y, İseri ÖD, Kars MD, Gündüz U: Doksorubisine Dirençli MCF-7 Meme Kanseri Hücre Hattında Çoklu İlaç Dirençliliğinin Engellenmesi. Sözlü sunum, XXI Ulusal Biyokimya Konferansı, Ekim 28-31 2009, İstanbul, Türkiye.
2. Dönmez Y, Akçay İ, İseri ÖD, Kars MD, Gündüz U: Paklitaksel ve Vinkristin Uygulanan MCF-7 Hücrelerinde β -tubulin İzotip Ekspresyonlarının İncelenmesi. Poster sunumu, 15. Biyoteknoloji Kongresi, Ekim 28-31 2007, Antalya, Türkiye.
3. Dönmez Y, Akçay İ, İseri ÖD, Kars MD, Gündüz U: Paklitaksel Uygulanan MCF-7 Hücrelerinde Apoptotik Gen Ekspresyonu Düzeylerinin İncelenmesi. Poster sunumu, 15. Biyoteknoloji Kongresi, Ekim 28-31 2007, Antalya, Türkiye.