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EDUCATION

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| 2014 -2015 | MD ANDERSON CANCER CENTER, Houston, Texas
<u>Postdoctoral Fellowship</u> (Mentor: B.Ozpolat) |
| 2007-2011 | ANKARA UNIVERSITY, FACULTY OF MEDICINE, Ankara, Turkey
<u>Residency in Pharmacology</u> (Ph.D. equivalent program) (Supervisor: O.Onaran) |
| 2001-2007 | HACETTEPE UNIVERSITY, FACULTY OF MEDICINE, Ankara, Turkey
<u>M.D. degree</u> (Education in English) |

EXPERIENCE

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| 2016-Present | KOC UNIVERSITY, SCHOOL OF MEDICINE, Istanbul, Turkey
<u>Instructor, Pharmacology</u> |
| 2012 - 2016 | TURKISH MEDICINES AND MEDICAL DEVICES AGENCY, MINISTRY OF HEALTH, Ankara, Turkey
<u>Pharmacologist at Turkish Pharmacovigilance Center</u> <ul style="list-style-type: none">• Employed in the context of public service responsibility after residency• Performed the first analysis of the national pharmacovigilance database• Contributed to the education of Pharmacovigilance Contact Points• Took regulatory actions to minimize the risk of adverse drug reactions• Contributed to the writing of Regulation on Safety of Medicines (2014) |
| 2014-2015 | MD ANDERSON CANCER CENTER, Houston, Texas, USA
<u>Postdoctoral Fellow at Department of Experimental Therapeutics</u> <ul style="list-style-type: none">• Performed combination studies against chemotherapy resistance in ovarian cancer models• Gained experience in the development of siRNA-based therapeutics• Investigated molecular mechanisms that take role in tumor progression, invasion and migration |
| 2007-2011 | ANKARA UNIVERSITY FACULTY OF MEDICINE, Ankara, Turkey
<u>Research Assistant at Department of Pharmacology</u> <ul style="list-style-type: none">• Investigated biased agonism of β2-adrenergic receptor ligands• Performed electrophysiological studies on rat heart and aorta• Contributed to the teaching of Good Prescription Practices to the medical students• Contributed to the writing of grants• Build up skills in: cell culture techniques, western blot, immunoassay, biochemical and radioactivity-based assays, PCR, gene transfer methods, recombinant DNA technologies, DNA sequencing, protein and DNA purification, RNA interference, bacterial culture, chromatography, confocal microscopy, fluorescence resonance energy transfer and bioluminescence resonance energy transfer-based assays. |

ADDITIONAL TRAINING

- 2012-2014 MIDDLE EAST TECHNICAL UNIVERSITY, Ankara, Turkey
Biomolecular Engineering subtrack of Biomedical Engineering Ph.D. program
- Build up basic skills in Mathematical, Statistical and Computational Modelling
 - Learned foundations of Bioinformatics and Systems Biology
- 2011-2012 MIDDLE EAST TECHNICAL UNIVERSITY, Ankara, Turkey
Special Student at Department of Physics
- Studied Physics for Students of Science, Basic Linear Algebra and Calculus
- 2007-2011 ANADOLU UNIVERSITY, FACULTY OF ECONOMICS, Eskisehir, Turkey
Bachelor's Degree in Public Administration
- 2009-2010 HACETTEPE UNIVERSITY, INSTITUTE OF HEALTH SCIENCES, Ankara, Turkey
Special Student at Cancer Biology and Immunology Program
- Studied Cancer Biology, Carcinogenesis, Tumor Cytopathology and Immunology
- Oct-Dec 2006 UNIVERSITY OF GENOA, FACULTY OF MEDICINE, Genoa, Italy
Internship in Pediatrics and Neurology (Erasmus Program)

MAJOR RESEARCH INTERESTS

- Targeted cancer therapy and tumor drug resistance
- Cancer biology
- Cancer systems biology and systems pharmacology
- Pharmacovigilance

PUBLICATIONS

Ozcan G, Aykac E, Kasap Y, Nemutlu NT, Sen E, Aydinkarahaliloglu ND. Adverse Drug Reaction Reporting Pattern in Turkey: Analysis of the National Database in the Context of the First Pharmacovigilance Legislation. *Drugs - Real World Outcomes* 2016;3(1):33-43.

Ozcan G, Ozpolat B, Coleman RL, Sood AK, Lopez-Berestein G. Preclinical and clinical development of siRNA-based therapeutics. *Adv Drug Deliv Rev.* 2015 Jun 29;87:108-19.

Demirel-Yilmaz E, Cenik B, **Ozcan G**, Derici MK. Various phosphodiesterase activities in different regions of the heart alter the cardiac effects of nitric oxide. *J Cardiovasc Pharmacol.* 2012 Sep;60(3):283-92.

Kaya AI, Onaran HO, **Özcan G**, Ambrosio C, Costa T, Balli S, Ugur Ö. Cell contact-dependent functional selectivity of β_2 -adrenergic receptor ligands in stimulating cAMP accumulation and extracellular signal-regulated kinase phosphorylation. *J Biol Chem.* 2012 Feb 24;287(9):6362-74.

Oner SS, Kaya AI, Onaran HO, **Ozcan G**, Uğur O. beta2-Adrenoceptor, Gs and adenylate cyclase coupling in purified detergent-resistant, low density membrane fractions. *Eur J Pharmacol.* 2010 Mar 25;630(1-3):42-52.

LANGUAGES

English (full professional proficiency)
Spanish (limited working proficiency)
Turkish (native language)

SCIENTIFIC PRESENTATIONS

G. Ozcan, E. Aykac, N. D. Aydinkarahaliloglu. How much signal do we get from spontaneous vs. solicited adverse drug reaction (ADR) reports?: Defining an ADR-signal index. 7th European Congress of Pharmacology, Istanbul, Turkey (Jun 26-30, 2016). *Oral Presentation*

G. Ozcan, E. Aykac, Y. Kasap, E. Sen, N. Nemutlu, G. Artiran, S. Kerman, N. D. Aydinkarahaliloglu. Concomitant Drug Use as a Contributing Factor for Developing Cardiovascular Adverse Reactions with Trandolapril/Verapamil Combination. Drug Safety Jan 2013; Volume: 36, 13th Annual Meeting of the International-Society-of-Pharmacovigilance, Conference Paper. *Poster Presentation*

Ozcan G, Ugur O, Onaran O. Intramolecular FRET method as a tool for the analysis of cAMP-ERK signalling pathway. 21st National Congress of Pharmacology, Eskisehir, Turkey (Oct 19-22, 2011). *Oral Presentation*

Ozcan G, Cenik C, Derici K, Demirel Yilmaz E. Various Phosphodiesterase Activity in Different Regions of the Heart Alter the Cardiac Effects of Nitric Oxide. 21st National Congress of Pharmacology, Eskisehir, Turkey (Oct 19-22, 2011). *Oral Presentation*

G.Ozcan, A.Kaya, O.Onaran, O.Ugur. Conditional functional selectivity of beta2-adrenoceptor ligands in stimulating adenylyl cyclase and ERK phosphorylation in HEK-293 cells. 16th World Congress of Basic and Clinical Pharmacology, Kopenhagen, Denmark (Jul 17-23, 2010). *Poster Presentation*

G.Ozcan, Al.Kaya, O.Onaran, O.Ugur. Fuctional Selectivity of β 2-adrenergic receptor ligands. 20th National Congress of Pharmacology, Antalya, Turkey (Nov 6, 2009). *Oral Presentation*

CERTIFICATES & WORKSHOPS

- EU COST ACTION IS1402: European Training School in Rational Geriatric Pharmacotherapy and Ageism. Charles University in Prague, Czech Republic (Apr 25-27, 2016)
- Licence for Research and Testing Animals
Ankara University, Ankara (May 31 - Jun 8, 2010)
- Clinical Toxicology Course
Dokuz Eylul University Faculty of Medicine, Izmir, (Apr 27-30, 2010)
- Turkish Pharmacological Society, Prof.Dr. Oguz Guc Summer School
Ankara,(Jun 22-28, 2009)
- Certificate for Computer Aided Drug Design & Development-Molecular Modelling
2nd Workshop on Computer Aided Drug Design & Development-Molecular Modelling ,
Ankara (Jun 26-29, 2008)

MEMBERSHIPS

- Turkish Society of Pharmacology
- European Association for Cancer Research (EACR)
- Molecular Cancer Research Society (MOKAD)

AWARDS & HONORS

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| 2014 | • The Scientific and Technological Research Council of Turkey, 2219-International Postdoctoral Research Fellowship Grant. |
| 2011 | • Travel award by Ankara University Scientific Research Projects Coordination Unit. |
| 2009 | • Oral presentation selected for special session: G.Ozcan , Al.Kaya, O.Onaran, O.Ugur. Fuctional Selectivity of β 2-adrenergic receptor ligands. 20th National Congress of Pharmacology, Antalya, Turkey (Nov 6, 2009). |