

CV

Remzi Okan Akar, MS

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EDUCATION

2017 – 2020: MS in Cancer Biology and Pharmacology, Istinye University, Istanbul/Turkey

2013 – 2017: BS in Molecular Biology and Genetics, Istanbul Kultur University, Istanbul/Turkey

2009 – 2013: Samiha Ayverdi Anadolu Lisesi, Istanbul/Turkey 3.78 / 5.00

PUBLICATIONS & PRESENTATIONS

E. D. Arısan; **R. O. Akar**; Ö. Rencuzogullari; P. Obakan Yerlikaya; A. Coker Gurkan; B. Akin; E. Dener; E. Kayhan; N. Palavan Unsal “The molecular targets of diclofenac differ from ibuprofen to induce apoptosis and epithelial mesenchymal transition due to alteration on oxidative stress management p53 independently in PC3 prostate cancer cells” (Prostate Int. DOI: 10.1016/j.prn.2019.09.003)

D. Karakas; **R. O. Akar**; Z. Gokmen; N. G. Deniz; E. Ulukaya “A Novel 1,4-Naphthoquinone-Derived Compound Induces Mitochondria-Mediated Apoptotic Cell Death in Breast Cancer Cells.” (Turk J Biol. DOI: 10.3906/biy-1901-19)

R. O. Akar; İ. Yılmaz; M. Erkısa; S. Selvi; A. Şengül; E. Ulukaya “Highly Promising Antitumor Agent of a Novel Platinum(II) Complex Bearing a Tetradentate Chelating Ligand” (ACS Med. Chem. Letters DOI: 10.1021/acsmchemlett.9b00676)

M. Erkısa; Ş. Aydınlik; B. Cevateme; N. Aztopal; **R. O. Akar**; S. Çelikler; V. T. Yılmaz; E. Ulukaya “A promising therapeutic combination for metastatic prostate cancer: Chloroquine as autophagy inhibitor and palladium(II) barbiturate complex” (Biochimie DOI: 10.1016/j.biochi.2020.05.010)

R. O. Akar; S. Selvi; E. Ulukaya; N. Aztopal “Key actors in cancer therapy: Epigenetic modifiers” (Turk J Biol. DOI: 10.3906/biy-1903-39)

M. Erkısa; **R. O. Akar**; S. Selvi; A. Şengül; E. Ulukaya “A newly synthesized platinum complex as a potent antitumor drug candidate” (Poster presentation at the International Molecular Medicine Symposium by the Bosphorus, 2019)

R. O. Akar; Ö. Rencuzogullari; E. D. Arısan; P. Obakan Yerlikaya; A. Coker Gurkan; N. Palavan Unsal “Diclofenac increased ROS generation to proceed EMT processes p53 independently in PC3 cells” (Poster presentation at 6th Stem cell Symposium and Stem cell course, Marmara University, 2017)

R. O. Akar; Ö. Rencuzogullari; E. D. Arısan; P. Obakan Yerlikaya; A. Coker Gurkan; N. Palavan Unsal “Effect of p53 on Diclofenac and Ibuprofen-induced ROS generation-dependent apoptosis on PC3 prostate cancer cells” (Poster presentation at the 6th Congress of Multidisciplinary Cancer Research, 2016)

DEGREES & AWARDS

October 2018, young investigator fellowship from Molecular Cancer Research Association (MOKAD).

October 2017, graduate scholarship (% 100) from Istinye University.

June 2017, graduated with second highest GPA (3.39/4.00) in the year level.

September 2016, became semi-finalist in the project competition about diabetic lives which was organized by Sanofi (Sen Bul Diyabet Kolaylaşsın)

June 2014, internationally valid certificate for animal use in experimental research

September 2013, undergraduate scholarship (% 75) from Istanbul Kultur University.

May 2012, rewarded bronze medal from Olympiad of inter-high school 4th national social sciences.

LABORATORY EXPERIENCE

- September 2017 – Present:** Istinye University, Molecular Cancer Research Center
- August 2018 – September 2018:** Karolinska Institutet, Cancer Center Karolinska
- April 2014 – June 2017:** Istanbul Kultur University, Molecular Cancer Biology Laboratory

CONFERENCES

- 2019:** 2nd Molecular Cancer Summit Conference, Istinye University (participant)
- 2018:** The 7th Congress of Multidisciplinary Cancer Research, İzmir, Turkey (participant)
- 2016:** 2nd Current topics in stem cell-based therapies, Istanbul Kultur University (participant)
- 2016:** IEEE 1st Science and career day, Istanbul Kultur University (participant)
- 2016:** 2nd The Symposium of Karaköy Autophagy, Sabancı University (participant)
- 2016:** Test-tube baby (IVF) career day, Istanbul Kultur University (participant)
- 2016:** Genetically modified organisms and judicial processes workshop, Istanbul Kultur University (participant)
- 2015:** 1st Current topics in stem cell-based therapies, Istanbul Kultur University (participant)
- 2014:** 2nd Nanotechnology & Tissue Engineering: Current Challenges and Future Prospects, Istanbul Kultur University (participant)
- 2013:** 1st Nanotechnology & Tissue Engineering: Current Challenges and Future Prospects, Istanbul Kultur University (participant)

LABORATORY SKILLS

- Use of laboratory animals
- Cell culture techniques
- Transfection, transformation
- Western blotting (Immunoprecipitation)
- PCR applications
- Flow cytometer applications
- DNA, RNA and protein isolation
- HPLC
- ELISA
- Immunofluorescence
- Chromatin IP
- 2D Gel electrophoresis

COMPUTER SKILLS

- MS Office Programs
- ImageLab
- GraphPad
- BD Accuri C6
- ImageJ