

CURRICULUM VITAE

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EMPLOYMENT,

2011-today, Associate Professor, Biological Sciences and Bioengineering Program, **Sabanci University**.
Sept. 2006-2011, Assistant Professor, Biological Sciences and Bioengineering Program, **Sabanci University**.
2001-2006, Postdoctoral fellow, **Weizmann Institute of Science (Adi Kimchi Lab)**.

EDUCATION,

2001, Ph.D. of Molecular Cell Biology, **Pasteur Institute, (Christian Brechot Lab) and Paris-Sud University**.
1997, M.Sc. (French D.E.A. degree) of Biochemistry, **Ecole Polytechnique (Andrea Parmeggiani Lab) and Paris-Sud University**.
1995, Medical doctor (MD) degree, **Hacettepe University, Faculty of Medicine (in English)**.
1994, Research fellow, Dept. of Tumor Biology, **Rotterdam Erasmus Medical Center (Anne Hagemeyer Lab)**.
1989-1995, Student researcher, **Hacettepe Children's Hospital and Oncology Institute**.

AWARDS,

2014, **Turkish Press Association, Sedat Simavi Health Sciences Award**.
2014, **Istanbul Kultur University, Prof. Onder Oztunali Science Award**.
2008: Turkish Academy of Sciences Outstanding Young Scientist Award (TUBA-GEBIP Award).
2006: European Molecular Biology Organization, EMBO, Strategic Development and Installation Award (EMBO-SDIG Award).
2006: Selected by Hoffmann-La Roche Pharmaceuticals among the "Leading Bioscientists of the Next Decade"

INCLUSION IN CATALOGUES,

Autophagy Researchers: Devrim Gozuacik. Autophagy 2012, 8 (12) 1709-1709.
Gozuacik D. European Molecular Biology Organization Young Investigator Catalogues 2006 to 2013.

PROFESSIONAL SERVICES,

A) International professional services,

2010-today: Board of Directors Member, International Cell Death Society (ICDS) (Based in New York).

2010-today: Editorial Board Member, Autophagy journal

2014-today: Guest Co-Editor and Editorial Board Member, Turkish Journal of Biology

2007-2013: Referee, Cell Death and Differentiation, Oncogene, Human Molecular Genetics, Cell Death and Disease, Cell Signaling, Nature Scientific Reports, Molecular Cancer, Oncotarget, BMC Cell Biology, Biochimica Biophysica Acta (BBA), Experimental Biology and Medicine, Biotechniques journal, Journal of Oncology.

2007-today: Grant referee, Cancer Research, UK (United Kingdom), Wellcome Trust (United Kingdom), The Health Research Board, (Ireland) ve Research Foundation Flanders, FWO (Belgium), KU Leuven, (Belgium).

B) National professional services,

2013: Academic Evaluation Committee Advisor, Izmir High Technology Institute, Gebze High Technology Institute, Turkey.

2013-today: Academic Referee, Turkish Academy of Sciences (TUBA).

2012- today: Grant Referee, TUBITAK, National Science and Technology Council of Turkey.

2007-2011: Founding member, Turkish Molecular Biology Society (Moleküler Biyoloji Derneği), Turkish Cell Death Research Society (Hücre Ölümü Araştırma Derneği), MolBioTurk (MBT) National Research Network.

C) Scientific Meeting Organization,

1) Karakoy Autophagy Symposium, Karakoy Minerva Han, Istanbul, Turkey, 22 October 2014.

2) International Cell Death Society (ICDS) Conference on Multidisciplinary Approaches in Cell Death Research, Kemer, Antalya, Turkey, 28-31 May 2010. **Organizers: Gozuacik D,** Lockshin R, Ozturk M, Zakeri Z.

3) European Molecular Biology Organization (EMBO) International Forum, Bogazici University, Istanbul, Turkey, 20-22 February 2008. **Organizers: Ozoren N, Gozuacik D,** Wallon G.

4) International Cell Death Symposium, Istanbul, Turkey, 9 April 2008. **Organizers: Ozturk M, Gozuacik D.**

PATENTS,

Gozuacik D and Korkmaz G (PhD Student). Use of miRNAs for the diagnosis, propylaxis, treatment and follow-up of diseases involving macroautophagy abnormalities. **World Intellectual Property Organization (WIPO)-Patent Cooperation Treaty (PCT). Patent Number: PCT/TR2010/000192.** Month; Year, **April 05, 2012.** Status: Pending (Country application phase).

INVITED TALKS (Selected from >40 talks),

^x Corresponding author. * First authors with equal contribution.

- 1) **Gozuacik D^x**. Novel regulator of autophagy and cancer. **Autophagy and Cancer Symposium**, Toulouse, France, 15-19 September, 2014.
- 2) **Gozuacik D^x**. Novel regulators of autophagy. **European Microscopy Society Conference 2013**, Regensburg, Germany, 25-30 August 2013.
- 3) **Gozuacik D^x**. miRNA networks regulating autophagy. **International Cell Death Society (ICDS) Conference on: "Mechanisms of cell death"**, Malaga, Spain, 6-9 June 2013.
- 4) **Gozuacik D^x**. Discovery of new autophagy regulators. **International Cell Death Society (ICDS) Conference on: "Cell death: Ageing, Metabolism and Ramifications for Therapeutics and Drug Development"**, Singapore, 29 June-1 July 2012.
- 5) **Gozuacik D^x**. MicroRNA control of autophagy. **Keystone Symposium: Cell Death Pathways: Beyond Apoptosis**, Banff, Alberta, Canada, 19-24 March 2012.
- 6) **Gozuacik D^x**. Novel autophagy regulators. **EMBO-Cancer YIP Meeting**, EMBL, Germany, 2-4 December 2012.
- 7) **Gozuacik D^x**. Autophagy and cancer. **EMBO-Cancer YIP Meeting**, King's College, London, United Kingdom, 11-13 July 2011.
- 8) **Gozuacik D^x**. Discovery of interaction partners and regulators of the autophagy and apoptosis protein Atg. **EMBO Conference on "Autophagy: Cell Biology, Physiology and Pathology"**, Monte Verita, Ascona, Switzerland, 18-21 October 2009.
- 9) **Gozuacik D^x**. Death-associated protein kinase family as an integrator of apoptosis and autophagy. **International Cell Death Society Conference on "Cell Death in Infectious Diseases and Cancer"**, Johannesburg, South Africa, 5-9 June 2009.
- 10) **Gozuacik D^x**. Bialik S, Raveh T, Mitou G, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A. DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. **European Workshop on Cell Death (EWCD)**, Hauenstein, Germany, 1-6 June 2008.
- 11) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T, Kimchi A. The DAP-Kinase Family of Proteins: Analysis of their Structure and Function at the Apoptosis/Autophagic Cell Death Junction. **Keystone Conference: Metabolomics: From Bioenergetics to Apoptosis (G5)**, Snowbird, Utah, USA, 2-7 April 2006.
- 12) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T, Kimchi A. Death-associated protein kinase (DAPk) is an integrator of apoptosis and autophagic cell death. **Roche Symposium for "For leading scientists of the next decade"**, Basel, Switzerland, 29-31 March 2006.
- 13) **Gozuacik D**, Inbal B, Raveh T, Kimchi A. Role of DAP kinase family of proteins in autophagic cell death. **Gordon Research Conference (GRC) on "Autophagy in Stress, Development and Disease"**, Waterville, Maine, USA, 22-27 June 2003.

PUBLICATION LIST (Selected from >40 publications),

>2500 total citations in the Science Citation Index, h-Index: 16-17.

^x Corresponding author. * First authors with equal contribution.

- 1) **Gozuacik D^x**, Yagci-Acar HF, Akkoc Y, Kosar A, Dogan-Ekici AI, Ekici S. Anticancer use of nanoparticles as nucleic acid carriers. **Journal of Biomedical Nanotechnology**, 2014, September; 10(9): 1751-1783.
- 2) Korkmaz G*, Tekirdag KA*, Ozturk DG, Kosar A, Sezerman OU and **Gozuacik D^x**. MIR376A is a regulator of starvation-induced autophagy. **PLoS ONE**, 2013, 8(12): e82556. doi:10.1371/journal.pone.0082556.
- 3) Tekirdag KA, Korkmaz G, Ozturk DG, Agami R, **Gozuacik D^x**. *MIR181A* regulates starvation- and rapamycin-induced autophagy through targeting of ATG5. **Autophagy**, 2013, Mar 1;9(3):374-85.
- 4) Oral O*, Oz-Arslan D*, Zeynep Itah, Naghavi A, Deveci R, Karacali S, **Gozuacik D^x**. Cleavage of Atg3 protein by caspase-8 regulates autophagy during receptor-activated cell death. **Apoptosis**, 2012, Aug;17(8):810-20.
- 5) Korkmaz G, le Sage C, Tekirdag AK, Agami R, **Gozuacik D^x**. miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. **Autophagy**, 2012 February; 8 (2): 1-12.
- 6) Klionsky DJ et al. (“International Autophagy Consortium” including **Gozuacik D**). Guidelines for the use and interpretation of assays for monitoring autophagy. **Autophagy**, 2012 April; 8 (4): 1-100.
- 7) Perk OY, Sesen M, **Gozuacik D**, Kosar A^x. Kidney stone erosion by hydrodynamic cavitation and consequent kidney stone treatment. **Annals of Biomedical Engineering**, 2012, 2012, Sep; 40(9): 1895-902.
- 8) Kosar A^x, Sesen M, Oral O, Itah Z and **Gozuacik D^x**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **IEEE Transactions on Biomedical Engineering**, 2011 May;58(5): 1337-46.
- 9) **Gozuacik D**, Bialik S, Raveh T, Mitou G, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A^x. DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. **Cell Death and Differentiation**, 2008 15(12): 1875-86.
- 10) **Gozuacik D** and Kimchi A^x. DAPk protein family and cancer. **Autophagy**, 2006 2(2): 74-79.
- 11) Llambi F, Calheiros F, **Gozuacik D**, Pays L, Del Rio G, Kimchi A, Mehlen P^x. The dependence receptor UNC5H2 mediates apoptosis through DAP kinase. **EMBO Journal**, 2005 Mar 23;24(6):1192-201.
- 12) Shani G, Marash L, **Gozuacik, D**, Bialik S, Teitelbaum L, Shohat G and Kimchi A^x. Death-associated protein kinase phosphorylates ZIP kinase, forming a unique kinase hierarchy to activate its cell death functions. **Molecular and Cellular Biology**, 2004 24(19):8611-26.
- 13) **Gozuacik D** and Kimchi A^x. Autophagy as a cell death and tumor suppressor mechanism. **Oncogene**, 2004 23(16):2891-906. **Review. (Selected by Thomson Reuters as one of the 48 core papers on autophagy.)**
- 14) **Gozuacik D**, Chami M, Murakami Y, Faivre J, Lagorce D, Poch O, Biermann O, Knippers R, Bréchet C, Paterlini-Bréchet P^x. Identification and functional characterization of a new member of the human Mcm protein family: hMcm8. **Nucleic Acids Research**, 2003 Jan 15;31(2):570-9.
- 15) Paterlini-Brechot P, Saigo K, Murakami Y, Chami M, **Gozuacik D**, Mugnier C, Lagorce D, Brechet C^x. Hepatitis B virus-related insertional mutagenesis occurs frequently in human liver cancers and recurrently targets human telomerase gene. **Oncogene**, 2003 Jun 19;22(25):3911-6.

16) **Gozuacik D**, Murakami Y, Saigo K, Chami M, Mugnier C, Lagorce D, Okanoué T, Urashima T, Brechot C, Paterlini-Brechot P^x. Identification of human cancer-related genes by naturally occurring Hepatitis B Virus DNA tagging. **Oncogene**, 2001 Sep 27;20(43):6233-40.

17) Chami M*, **Gozuacik D***, Lagorce D, Brini M, Falson P, Peaucellier G, Pinton P, Lecoeur H, Gougeon ML, le Maire M, Rizzuto R, Brechot C, Paterlini-Brechot P^x. SERCA1 truncated proteins unable to pump calcium reduce the endoplasmic reticulum calcium concentration and induce apoptosis. **Journal of Cell Biology**, 2001 Jun 11;153(6): 1301-14.

Book Chapters (selected from 10 chapters),

1) Tekirdag AK, Ozturk DG, **Gozuacik D**^x. Regulation of autophagy by miRNAs. Pages:. **In the book: AUTOPHAGY: Cancer, Other Pathologies, Inflammation, Immunity, and Infection**. Hayat MA, (Ed). Elsevier Academic Press, *in press*.

2) Eberhart K, Oral O, **Gozuacik D**^x. Induction of autophagic cell death by anticancer agents. Pages: 179-202. **In the book: AUTOPHAGY: Cancer, Other Pathologies, Inflammation, Immunity, and Infection**. Hayat MA, (Ed). Elsevier Academic Press 2013, ISBN: 978-012-405530-8

3) Paterlini-Brechot P^x, Chami M and **Gozuacik D**. “Calcium ATPase Genes and Cell Transformation”. Pages 505-520. **In the book: Calcium, The Molecular Basis of Calcium Action in Biology and Medicine**. Pochet R, Donato R, Haiech J, Heizmann CW, Gerk V (Eds.). Springer Publishing, 2001. ISBN: 0-7923-6421-X.