

## **CURRICULUM VITAE**

**Name** : **Devrim GOZUACIK, MD PhD**  
**Address** : Sabanci University, Faculty of Engineering and Natural Sciences, Biological Sciences and Bioengineering Program, Orhanli-Tuzla 34956, Istanbul, TURKEY.  
**Phone/Fax** : +90-216-483 9617 or 90-216-483 9500 / +90-216-483 9550  
**E-mail** : dgozuacik@sabanciuniv.edu  
**Web** : <http://myweb.sabanciuniv.edu/dgozuacik>

### **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, Necker Children's Hospital-IRNEM, (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,**

**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 Roche Pharmaceuticals among the "Leading Bioscientists of the Next Decade" (Roche Symposium, Basel).**  
**2004-2006: European Union "Marie Curie Actions" Postdoctoral Fellowship.**  
**2002-2004: Weizmann Institute Feinberg Graduate School Postdoctoral Fellowship.**  
**2001-2002: French Organisation For Medical Research (FRM) Postdoctoral Fellowship.**  
**1999-2001: French Cancer Research Association (ARC) PhD Scholarship.**  
**1996-1999: TUBITAK / NATO A1 PhD Full Scholarship.**

### **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 (Top level journal of the cell biology field. Rank: 12/184. Impact factor: 12).

**2007-2013: Ad hoc referee,** Cell Death and Differentiation (Top journal of the cell death field. Impact Factor: 8.4), Oncogene (Top journal of the cancer field. Impact Factor: 7.4), Human Molecular Genetics (Impact Factor: 7.7), BMC Cell Biology (Impact Factor: 2.8), Experimental Biology and Medicine (Impact Factor: 2.8), Biotechniques journal (Impact factor: 2.4), Journal of Oncology.

**2008: Ad hoc referee,** Cancer Research, UK (Research funding charity in the United Kingdom).

**2007: Ad hoc referee,** Wellcome Trust, UK (Research funding agency in the United Kingdom).

### **B) National professional services,**

**2012- today: 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) 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.

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

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

## INVITED TALKS AND ORAL PRESENTATIONS,

<sup>x</sup> Corresponding author. \* First authors with equal contribution.

### a) Invited Talks in International Meetings,

- 1) **Gozuacik D<sup>x</sup>**. miRNAs, autophagy and cancer. **EMBO-Cancer YIP Meeting**, Antalya, Turkey, 8-10 September 2013.
- 2) **Gozuacik D<sup>x</sup>**. Novel regulators of autophagy. **European Microscopy Society Conference 2013**, Regensburg, Germany, 25-30 August 2013.
- 3) **Gozuacik D<sup>x</sup>**. miRNA networks regulating autophagy. **International Cell Death Society (ICDS) Conference on: “Mechanisms of cell death”**, Malaga, Spain, 6-9 June 2013.
- 4) **Gozuacik D<sup>x</sup>**. Panelist. **International Cell Death Society (ICDS) Conference on: “Mechanisms of cell death”**, Malaga, Spain, 6-9 June 2013.
- 5) **Gozuacik D<sup>x</sup>**. Success story. **EMBO/EMBL INFO DAY**, TUBITAK, Ankara, Turkey, 6 January 2013.
- 6) **Gozuacik D<sup>x</sup>**. microRNAs: Novel Regulators of cellular stress and death responses. **First International Congress of the Molecular Biology Association**, Bogazici University, Istanbul, Turkey, 23-24 November 2012.
- 7) **Gozuacik D<sup>x</sup>**. 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.
- 8) **Gozuacik D<sup>x</sup>**. Session Chair and Panelist. **International Cell Death Society (ICDS) Conference on: “Cell death: Ageing, Metabolism and Ramifications for Therapeutics and Drug Development”**, Singapore, 29 June-1 July 2012.
- 9) **Gozuacik D<sup>x</sup>**. Novel autophagy regulators. **EMBO-Cancer YIP Meeting**, EMBL, Germany, 2-4 December 2012.
- 10) **Gozuacik D<sup>x</sup>**. Novel regulators of autophagy. **EMBO Forum 2012**. Yeditepe University, Istanbul, Turkey, 2012.
- 11) **Gozuacik D<sup>x</sup>**. Autophagy and cancer. **EMBO-Cancer YIP Meeting**, King’s College, London, UK, 11-13 July 2011.

- 12) **Gozuacik D<sup>x</sup>**. Autophagy, cell death and disease. **4th International Congress of Molecular Medicine**, Istanbul, Turkey, 27-30 June **2011**.
- 13) **Gozuacik D<sup>x</sup>**. New regulators of mammalian autophagy: Implications for cell survival and death. **International Cell Death Society (ICDS) Conference on: "Multidisciplinary Approaches in Cell Death Research"**, Kemer, Antalya, Turkey, 28-31 May **2010**.
- 14) **Gozuacik D<sup>x</sup>**. Session Chair and Panelist. **International Cell Death Society (ICDS) Conference on: "Multidisciplinary Approaches in Cell Death Research"**, Kemer, Antalya, Turkey, 28-31 May **2010**.
- 15) **Gozuacik D<sup>x</sup>**. New regulators of autophagy: Implications for Neurological Disorders. **Ideas and Initiatives Genetics of Neurological Disorders Workshop**, Bosphorus University, Istanbul, Turkey 15-17 October **2010**.
- 16) **Gozuacik D<sup>x</sup>**. 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**.
- 17) **Gozuacik D<sup>x</sup>**. 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**.
- 18) **Gozuacik D<sup>x</sup>**. 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**.
- 19) **Gozuacik D<sup>x</sup>**. Autophagy in Health and Disease. **European Molecular Biology Organization (EMBO) International Forum**, Bogazici University, Istanbul, Turkey, 20-22 February **2008**.
- 20) **Gozuacik D<sup>x</sup>**. Autophagic Cell Death. **International Cell Death Symposium**, Istanbul, Turkey, 9 April **2008**.
- 21) **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**.
- 22) **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**.

**23) Gozuacık 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**.

**b) Invited Talks in Local Meetings (in Turkish),**

1) **Gozuacık D<sup>x</sup>**. Otofaji'yi Düzenleyen Yeni Yolaklar. **First Cell Death Research Congress**, İzmir, Turkey, 30 October-3 November **2013 (scheduled)**.

2) **Gozuacık D<sup>x</sup>**. Hücre ölümü ve kanser. **Basic Oncology Course during the 20th National Cancer Congress**, Antalya, Turkey, 19-23 April **2013**.

3) **Gozuacık D<sup>x</sup>**. Otofaji ve sinyal yolakları. **2nd Theoretical Course on Cell Death Research Techniques**, Eskisehir, Turkey, 01-02 November **2012**.

4) **Gozuacık D<sup>x</sup>**. Otofaji analiz yöntemleri ve uygulama aşamaları. **2nd Theoretical Course on Cell Death Research Techniques**, Eskisehir, Turkey, 01-02 November **2012**.

5) **Gozuacık D<sup>x</sup>**. Session Chair. **2nd Theoretical Course on Cell Death Research Techniques**, Eskisehir, Turkey, 01-02 November **2012**.

6) **Gozuacık D<sup>x</sup>**. Otofaji ve hücre ölümü. **Programmed Cell Death: Current Approaches Symposium**, Acıbadem University Medical Faculty, Istanbul Turkey, 28 December **2011**.

7) **Gozuacık D<sup>x</sup>**. "Otofaji ve sinyal yolakları". **1st Theoretical Course on Cell Death Research Techniques**, Izmir, Turkey, 24-25 November **2011**.

8) **Gozuacık D<sup>x</sup>**. "Otofaji analiz yöntemleri ve uygulama aşamaları". **1st Theoretical Course on Cell Death Research Techniques**, Izmir, Turkey, 24-25 November **2011**.

9) **Gozuacık D<sup>x</sup>**. Hücresel Stres, Otofaji ve Kanser Bağlantısı. **3rd DETEA Conference**, Istanbul, Turkey, 17-18 November **2011**.

10) **Gozuacık D<sup>x</sup>**. Floresan yöntemlerin hücresel stres ve ölüm araştırmalarında kullanımı. **Acıbadem University Mini Symposium: Fluorescence Techniques, Applications in Biology and Medicine**, Istanbul, Turkey, 5 November **2010**.

11) **Gozuacık D<sup>x</sup>**. Otofaji ve kanser. **3rd Multidisciplinary Cancer Research Symposium**, 14-17 March **2010**.

12) **Gozuacik D<sup>x</sup>**. Tümör baskılayıcı bir mekanizma: Otofaji. **20th National Immunology Congress**, Girne, Cyprus, 19-22 November **2009**.

13) **Gozuacik D<sup>x</sup>**. Hastalıkta ve sağlıkta hücrel stres yanıtı olarak otofaji. **19th National Electron Microscopy Congress**, Trabzon, Turkey, 22-25 June **2009**

14) **Gozuacik D<sup>x</sup>**. Otofajik Hücre Ölümü”. **25th Turkish National Gastroenterology Week**, Adana, Turkey, 12-16 November **2008**.

15) **Gozuacik D<sup>x</sup>**. Ölümlerden Ölüm Beğen: Otofajik Hücre Ölümü mü Apoptoz mu?” . **10th Turkish National Medical Biology and Genetics Congress**, Belek, Antalya, Turkey, 6-9 September **2007**.

**c) Oral Presentations (Presenter’s name is in *italics*),**

1) *Oz Arslan D*, Oral O, Itah Z, **Gözüaçık D<sup>x</sup>**. Otofaji Ve Apoptoz Arasında Yeni Bir Bağlantı: Atg3’ün Kaspaz-8 Tarafından Kesimi. **25th National Biophysics Congress**, Trabzon, Turkey, 24-27 September **2013**.

2) *Koc B<sup>x</sup>*, Kucukgul C, Ozler B, Karakas HE, **Gozuacik D<sup>x</sup>**. 3D hybrid bioprinting of macrovascular structures. **IEE Annual Conference & Expo 2013**. San Juan, Puerto Rico, 18-20 May **2013**.

3) **Gozuacik D<sup>x</sup>**, Irmak S, *Karakas HE*, Koc B<sup>x</sup>. Optimized 3D Design and Bioprinting of Cells Based on Autophagy Analyses. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November **2012**.

4) Korkmaz G, le Sage C, *Tekirdag AK*, Agami R, **Gozuacik D<sup>x</sup>**. Regulation of starvation and rapamycin induced autophagy by microRNA-376b targeting ATG4C and BECLIN1. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November **2012**.

5) Korkmaz G, le Sage C, Tekirdag AK, Agami R, **Gozuacik D<sup>x</sup>**. MicroRNA control of autophagy. **Keystone Symposium: Cell Death Pathways: Beyond Apoptosis**. Banff, Alberta, Canada, 19-24 March **2012**.

6) *Oral O\**, Oz-Arslan D\*, Itah Z, **Gozuacik D<sup>x</sup>**. A novel link between autophagy and apoptosis through caspase-mediated cleavage of an Atg protein. **International Cell Death Society, Multidisciplinary Approaches in Cell Death Research From Yeast to Man**”, Antalya, Turkey, 28-31 May **2010**.

7) **Gozuacik D**, Bialik S, Raveh T, *Mitou G*, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A. Death-associated protein kinase (DAPk) is an integrator of ER stress-induced apoptosis and autophagic cell death. **Ideas and**

**Initiatives Genetics of Neurological Disorders Workshop**, Bosphorus University, Istanbul, Turkey 15-17 October 2010.

8) *Oral O\**, Oz-Arslan D\*, Itah Z, **Gozuacik D<sup>x</sup>**. Caspase cleaves Atg protein to regulate autophagy. **Ideas and Initiatives Genetics of Neurological Disorders Workshop**, Bosphorus University, Istanbul, Turkey 15-17 October 2010.

9) **Gozuacik D** Murakami Y, Saigo K, Chami M, Mugnier C, Lagorce D, Okanoué T, Urashima T, Brechot C, Paterlini-Brechot P. Gene trap in hepatocellular carcinoma by hepatitis B virus DNA insertional mutagenesis analysis. **International Conference on the Molecular Biology of Hepatitis B Virus, Pasteur Institute**, Paris, France, 17-21 September 2000.

10) **Gozuacik D**, Murakami Y, Saigo K, Chami M, Mugnier C, Lagorce D, Okanoué T, Urashima T, Brechot C, Paterlini-Brechot P. Analyse des integrations genomiques du virus de l'hepatite B dans les carcinomes hepatocellulaires. (Presentation in French). **47th Conference of French Association of Liver Research (AFEF)**, Paris, France, 27-29 September 2000.

## **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).

## PUBLICATION LIST,

>1500 total citations in the Science Citation Index, h-Index (SCI): 13.

<sup>x</sup> Corresponding author. \* First authors with equal contribution.

### Original Research and Review Articles,

- 1) Erbil S\*, Oral O\*, Mitou G\*, Gokce G, Gulacti F, **Gozuacik D<sup>x</sup>**. A scaffold protein is a novel ATG-interactor and a master autophagy regulator. **Submitted**.
- 2) Mitou G\*, Erbil S, **Gozuacik D<sup>x</sup>**. A possible link between glycolysis and autophagy. **Submitted**.
- 3) Korkmaz G\*, Tekirdag AK\*, Ozturk DG, Kosar A, Sezerman OU, **Gozuacik D<sup>x</sup>**. miR MIRA is a Regulator of Starvation-induced Autophagy. **Plos One, 2013. Submitted.** (Citation Index-SCI, IF: 4.1)
- 4) Cıkım T, **Gozuacik D**, Ali Kosar A. Power Reclamation Efficiency of a Miniature Energy Harvesting Device Using External Fluid Flows (Bio-inspired device). **International Journal of Energy Research, 2013. in press.** (Citation Index-SCI, IF: 2.1)
- 5) Kurtoglu M, Kaya A, **Gozuacik D**, Yagci Acar HF, and Kosar A<sup>x</sup>, " Experimental Study on Heat Transfer Performance of Iron oxide Based Ferrofluids to be Used as New Generation Coolants and Drug Delivery Agents," **ASME Journal of Thermal Science and Engineering Applications, 2013. in press.**
- 6) Tekirdag AK, Ozturk DG and **Gozuacik D<sup>x</sup>**. Alteration in autophagic-lysosomal potential during ageing and neurological diseases: The microRNA perspective. **Current Pathobiology Reports, 2013.** October; 1(4):1-36.
- 7) Itah Z, Oral O, Perk OY, Sesen M, Demir E, Erbil S, Dogan-Ekici AI, Ekici S, Kosar A, **Gozuacik D<sup>x</sup>**. Hydrodynamic cavitation kills prostate cells and ablates benign prostatic hyperplasia tissue. **Experimental Biology and Medicine, 2013,** Nov; 238(11):1-9. (Citation Index-SCI, IF: 2.8)
- 8) Erzurumlu Y, Kose FA, Gozen O, **Gozuacik D**, Eric A. Toth EA, Ballar P<sup>x</sup>. A unique IBMPFD-related p97/VCP mutation with differential binding pattern and subcellular localization. **The International Journal of Biochemistry & Cell Biology 2013,** Apr;45(4):773-82. (Citation Index-SCI, IF: 4.6)
- 9) Tekirdag KA, Korkmaz G, Ozturk DG, Agami R, **Gozuacik D<sup>x</sup>**. *MIR181A* regulates starvation- and rapamycin-induced autophagy through targeting of ATG5. **Autophagy, 2013,** Mar 1;9(3):374-85. (Citation Index-SCI, IF: 12) (Cited 3 times).



- 10)** Oral O\*, Oz-Arslan D\*, Zeynep Itah, Naghavi A, Deveci R, Karacali S, **Gozuacik D<sup>x</sup>**. Cleavage of Atg3 protein by caspase-8 regulates autophagy during receptor-activated cell death. **Apoptosis**, 2012, Aug;17(8):810-20. (Citation Index-SCI , **IF: 4.8**) (Cited 6 times).
- 11)** Korkmaz G, le Sage C, Tekirdag AK, Agami R, **Gozuacik D<sup>x</sup>**. miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. **Autophagy**, 2012 February; 8 (2): 1-12. (Citation Index-SCI, **IF: 12**) (Cited 16 times).
- 12)** 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. (Citation Index-SCI, **IF: 12**) (Cited 113 times).
- 13)** Kuzuoglu D, Cebeci-Yalcinkaya O, Akpinar BA, Mitou G, Korkmaz G, **Gozuacik D**, Budak H<sup>x</sup>. Autophagy-related gene, TdAtg8, in wild emmer wheat plays a role in drought and osmotic stress response. **Planta** 2012, DOI: 10.1007/s00425-012-1657-3. (Citation Index-SCI, **IF: 3**) (Cited 1 times).
- 14)** Perk OY, Sesen M, **Gozuacik D**, Kosar A<sup>x</sup>. Kidney stone erosion by hydrodynamic cavitation and consequent kidney stone treatment. **Annals of Biomedical Engineering**, 2012, 2012, Sep; 40(9): 1895-902. (Citation Index-SCI, **IF: 2.4**)
- 15)** Kosar A<sup>x</sup>, Sesen M, Oral O, Itah Z and **Gozuacik D<sup>x</sup>**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **IEEE Transactions on Biomedical Engineering**, 2011 May;58(5): 1337-46. (Citation Index-SCI, **IF: 2.3**) (Cited 2 times).
- 16)** Öz-Arslan D, Korkmaz G, **Gözüaçık D<sup>x</sup>**. Otofaji: Bir hücresel stres yanıtı ve ölüm mekanizması (in Turkish). **Acıbadem Üniversitesi Sağlık Bilimleri Dergisi**, 2011 October 2(4), pages 184-94. **Review** (Turkish Citation Index, Türk Atıf İndeksi).
- 17)** Mitou G, Budak H, and **Gozuacik D<sup>x</sup>**. Techniques to Study Autophagy in Plants. **International Journal of Plant Genomics**, 2009, Article ID 451357, 14 pages, 2009. doi:10.1155/2009/451357. **Review** (Scopus, Chemical Abstracts, PubMed, Google Scholar) (Cited 15 times).
- 18)** **Gozuacik D**, Bialik S, Raveh T, Mitou G, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A<sup>x</sup>. 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. (Citation Index-SCI, **IF: 9**) (Cited 72 times).
- 19)** **Gozuacik D** and Kimchi A<sup>x</sup>. Autophagy and cell death. **Current Topics in Developmental Biology**, 2007 78: 217-45. **Review**. (**IF: 6**) (Cited 175 times).

- 20) Gozuacik D** and Kimchi A<sup>x</sup>. DAPk protein family and cancer. **Autophagy**, 2006 2(2): 74-79. **Review. (IF: 7.5) (Cited 67 times)**
- 21) Llambi F, Calheiros F, Gozuacik D, Pays L, Del Rio G, Kimchi A, Mehlen P<sup>x</sup>**. The dependence receptor UNC5H2 mediates apoptosis through DAP kinase. **EMBO Journal**, 2005 Mar 23;24(6):1192-201. **(IF: 9) (Cited 74 times)**
- 22) Shani G, Marash L, Gozuacik, D, Bialik S, Teitelbaum L, Shohat G and Kimchi A<sup>x</sup>**. Death-associated protein kinase phosphorylates ZIP kinase, forming a unique kinase hierarchy to activate its cell death functions (Autophagic cell death induction by ZIP kinase). **Molecular and Cellular Biology**, 2004 24(19):8611-26. **(IF: 6) (Cited 47 times)**
- 23) Gozuacik D** and Kimchi A<sup>x</sup>. 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). (IF: 7) (Cited 588 times)**
- 24) Gozuacik D, Chami M, Murakami Y, Faivre J, Lagorce D, Poch O, Biermann O, Knippers R, Bréchet C, Paterlini-Bréchet P<sup>x</sup>**. 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. **(IF: 7.4) (Cited 48 times)**.
- 25) Paterlini-Brechot P, Saigo K, Murakami Y, Chami M, Gozuacik D, Mugnier C, Lagorce D, Brechet C<sup>x</sup>**. 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. **(IF: 7) (Cited 3 times)**.
- 26) Gozuacik D, Murakami Y, Saigo K, Chami M, Mugnier C, Lagorce D, Okanoué T, Urashima T, Brechet C, Paterlini-Brechot P<sup>x</sup>**. Identification of human cancer-related genes by naturally occurring Hepatitis B Virus DNA tagging. **Oncogene**, 2001 Sep 27;20(43):6233-40. **(IF: 7) (Cited 55 times)**.
- 27) Chami M\*, Gozuacik D\*, Lagorce D, Brini M, Falson P, Peaucellier G, Pinton P, Lecoœur H, Gougeon ML, le Maire M, Rizzuto R, Brechet C, Paterlini-Brechot P<sup>x</sup>**. 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. **(IF: 10) (Cited 34 times)**.
- 28) Brechet C<sup>x</sup>, Gozuacik D, Murakami Y, Paterlini-Brechot P**. Molecular bases for the development of hepatitis B virus (HBV)-related hepatocellular carcinoma (HCC). **Seminars in Cancer Biology**, 2000 Jun;10(3):211-31. **Review. (IF: 7.6) (Cited 139 times)**.
- 29) Chami M\*, Gozuacik D\*, Saigo K\*, Capiod T, Falson P, Lecoœur H, Urashima T, Beckmann J, Gougeon ML, Claret M, le Maire M, Brechet C, Paterlini-Brechot P<sup>x</sup>**. Hepatitis B virus-related insertional mutagenesis implicates SERCA1 gene in the control of apoptosis. **Oncogene**, 2000 Jun 8;19(25): 2877-86. **(IF: 7) (Cited 33 times)**.

## Book Chapters,

- 1) Tekirdag AK, Ozturk DG, **Gozuacik D<sup>x</sup>**. Regulation of autophagy by miRNAs. Pages:. **In the book: AUTOPHAGY: Cancer, Other Pathologies, Inflammation, Immunity, and Infection.** Hayat MA, (Ed). Elsevier Academic Press, *in preparation*.
- 2) Eberhart K, Oral O, **Gozuacik D<sup>x</sup>**. 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) Oral O, Irmak S, Ekici S, **Gözüaçık D<sup>x</sup>**. Ürolojide otofaji (Autophagy in Urology). Pages: 271-283. **In the book: Moleküler Üroloji** (in Turkish). Türkeri L, Ozer A, Narter F, (Eds). Üroonkoloji Derneği Publishing. 2012. ISBN:978-975-01697-2-4.
- 4) **Gozuacik D<sup>x</sup>**. “Otofaji ve sinyal yolakları” ve (Autophagy and signal pathways). Pages 49-60. **In the book: IInd Theoretical Course on Cell Death Research Techniques** (in Turkish). Eskisehir Osmangazi University Press. 2012. ISBN No: 978-975-7936-95-4.
- 5) **Gozuacik D<sup>x</sup>**. “Otofaji analiz yöntemleri ve uygulama aşamaları” (Autophagy analysis techniques and application steps). Pages 133-146. **In the book: IInd Theoretical Course on Cell Death Research Techniques** (in Turkish). Eskisehir Osmangazi University Press. 2012. ISBN No: 978-975-7936-95-4.
- 6) **Gozuacik D<sup>x</sup>**. “Otofaji ve sinyal yolakları” ve (Autophagy and signal pathways). Pages 53- 61. **In the book: Ist Theoretical Course on Cell Death Research Techniques** (in Turkish). Dokuz Eylul University Press, 2011. ISBN No: 978-975-441-349-6.
- 7) **Gozuacik D<sup>x</sup>**. “Otofaji analiz yöntemleri ve uygulama aşamaları” (Autophagy analysis techniques and application steps). Pages 129-141. **In the book: Ist Theoretical Course on Cell Death Research Techniques** (in Turkish). Dokuz Eylul University Press, 2011. ISBN: 978-975-441-349-6.
- 8) Paterlini-Brechot P <sup>x</sup>, Chami M and **Gozuacik D<sup>x</sup>**. “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.

## Engineering Conference Papers,

- 1) Kucukgul C, Ozler B, Karakas, HE, **Gozuacik D<sup>x</sup>**, Koc B<sup>x</sup>. 3D hybrid bioprinting of macrovascular structures. **3rd ECCOMAS Thematic Conference on Tissue Engineering (ICTE)**, Leiria, PORTUGAL, JUN 06-08, 2013. **Procedia Engineering** , 59, Pages: 183-192 DOI: 10.1016/j.proeng.2013.05.109.
- 2) Kurtoğlu M, Kaya A., **Gozuacik D**, Yagci Acar, HF, and Koşar A<sup>x</sup>. Heat Transfer Enhancement With Iron Oxide Nanoparticle Based Ferrofluids," Proceedings of the ASME 2013 **11th International Conference on Nanochannels, Microchannels, and Minichannels, ICNMM 11**, Sapporo, Japan, June, 2013, ICNMM2013-73146.
- 3) Cıkım TA, Tatar O, Kaya, A, **Gozuacik D** and Kosar A<sup>x</sup>. Power reclamation of a bio-inspired miniature device using internal flows. **ASME, International Mechanical Engineering Conference Congress and Exhibition, Houston, Texas, 2012.**
- 4) Cıkım, T., Kaya, A., **Gozuacik, D.** and Kosar, A., "Power reclamation efficiency of a bio inspired miniature energy harvesting device using internal fluid flows", **Global Conference on Global Warming-2012**, Istanbul, Istanbul Technical University.
- 5) Kosar A<sup>x</sup>, Akbas A, Sahin O, Kubilay A, Oral O, **Gozuacik D<sup>x</sup>**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **2nd Micro and Nano Flows Conference, 2009**, Pages: 1-7. MNF2009. ISSN: 978-1-902316-72-7, ISBN: 978-1-902316-73-4.
- 6) Bilen H, Hocaoglu MA, Baran EA, Unel M<sup>x</sup>, **Gozuacik D**. Novel Parameter Estimation Schemes in Microsystems. **IEEE International Conference on Robotics and Automation, 2009**, Pages: 2394-2399. ISSN: 1050-4729, ISBN: 978-1-4244-2788-8.

## Published Abstracts,

- 1) **Gozuacik D<sup>x</sup>**, Irmak S, Karakas HE, Koc B<sup>x</sup>. Optimized 3D design and bioprinting of a blood vessel based on autophagy analyses. **Journal of Tissue Engineering and Regenerative Medicine, 2012** Sept.; 6 (Supplement: 1): 377-377
- 2) **Gozuacik D<sup>x</sup>**. Autophagy, cell death and disease. **In vivo, 2011** May-June; 25 (3): 484-484.
- 3) Reef S, **Gozuacik D**, Zalckvar E, Bialik S, Shoal Y, Kimchi A<sup>x</sup>. The road map to programmed cell death: Switching between apoptosis and autophagic cell death. **Autophagy, 2006** Oct; 2 (4): 343-343.

4) **Gozuacik D**, Murakami Y, Saigo K, Chami M, Okanou T, Urashima T, Kenmochi T, Ochiai T, Brechot C, Paterlini-Brechot P<sup>x</sup>. Gene trap in hepatocellular carcinoma (HCC) by hepatitis B virus (HBV) DNA insertional mutagenesis analysis. **Journal of Hepatology**, 2001 Apr; 34: 100-100 Suppl.1.

5) Chami M\*, **Gozuacik D**\* , Saigo K\*, Capiod T, Falson P, Torchard D, Caudron B, Urashima T, Isono K, LeMaire M, Beckman J, Claret M, Brechot C, Brechot P<sup>x</sup>. In vivo targeting of SERCA1 gene by hepatitis B virus (HBV) DNA integration in a human hepatocellular carcinoma. **Biophysical Journal**, 1999 Jan; 76 (1): A381-A381 Part 2.

6) Chami M\*, Saigo K\*, **Gozuacik D** \* , Poussin K, Falson P, Torchard D, Clepet C, Gyapay G, Caudron B, Urashima T, Kew M, Isono K, Le Marie M, Beckman J, Weissenbach J, Brechot C, Paterlini P<sup>x</sup>. HBV related insertional mutagenesis leads to hyperexpression of a HBV X SERCA 1 hybrid protein in a human hepatocellular carcinoma. **Hepatology**, 1998 Oct; 28 (4): 1278 Part 2 Suppl. S.

**Poster Presentations (Presenter's name is in *italics*),**

1) *Tekirdag KA*\*, Korkmaz G\*, Ozturk DG, Agami R, **Gozuacik D**<sup>x</sup>. MIR181A regulation of autophagy by targeting ATG5. **ICDS meeting**. Malaga, Spain. 6 June.-9 June.2013.

2) *Karakas HE*, Koc B, **Gozuacik D**<sup>x</sup>. Analysis of the role of autophagy in tissue engineering studies. **2013 TERMIS-EU Conference**. Istanbul, Turkey, 17- 20 June. 2013.

3) Korkmaz G, *Tekirdag KA*, **Gozuacik D**<sup>x</sup>. Investigation of the effect of miR-376b on target protein levels by SDS-PAGE and Western Blotting. **EMBO YIP PhD. Course**. Heidelberg, Germany. 9-15 Sept. 2012.

4) **Gozuacik D**<sup>x</sup>, *Karakas HE*, Oral O, Irmak S, Koc B<sup>x</sup>. Optimized 3D Design and Bioprinting of a Blood Vessel based on Autophagy, **3rd Stem Cell Symposium**, Istanbul, Turkey, 30 Nov.- 1 Dec. 2012.

5) **Gozuacik D**<sup>x</sup>, *Karakas HE*, Oral O, Irmak S, Koc B<sup>x</sup>. Optimized 3D Design and Bioprinting of a Blood Vessel based on Autophagy, **1st International Congress of the Molecular Biology Association of Turkey**, Istanbul, Turkey, 23- 24 Nov.2012.

6) Mitou G, Oral O, *Bayraktar O*, **Gozuacik D**<sup>x</sup>. A novel link between glycolysis and autophagy. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November 2012.

- 7) *Oz-Arslan D*, Oral O, Itah Z, **Gozuacik D<sup>x</sup>**. A novel link between autophagy and apoptosis: Cleavage of Atg3 protein by caspase-8. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November 2012.
- 8) **Gozuacik D<sup>x</sup>**, Irmak S, *Karakas HE*, Koc B<sup>x</sup>. Optimized 3D Design and Bioprinting of Cells Based on Autophagy Analyses. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November 2012.
- 9) Korkmaz G, le Sage C, *Tekirdag AK*, Agami R, **Gozuacik D<sup>x</sup>**. Regulation of starvation and rapamycin induced autophagy by microRNA-376b targeting ATG4C and BECLIN1. **FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease**. Kusadasi (Aydin), Turkey, 14-16 November 2012.
- 10) *Oral O*, Oz-Arslan D, Itah Z, Kosar A, Ekici S, Dogan-Ekici AI, Naghavi A, Devenci R, Karacali S, **Gozuacik D<sup>x</sup>**. Cleavage of Atg3 protein by caspase-8 regulates autophagy. **6th International Symposium on Autophagy**. Okinawa, Japan, 28 Oct.- 1 Nov. 2012.
- 11) **Gozuacik D<sup>x</sup>**, *Karakas HE*, Oral O, Irmak S, Koc B<sup>x</sup>. Optimized 3D Design and Bioprinting of Cells Based on Autophagy Analyses. **3<sup>rd</sup> TERMIS World Congress 2012: "Tissue Engineering and Regenerative Medicine"**. Vienna, Austria, 5-8 Sept. 2012.
- 12) Korkmaz G, le Sage C, Tekirdag AK, Agami R, **Gozuacik D<sup>x</sup>**. MicroRNA Control of Autophagy. **Gordon Research Conference (GRC) on Autophagy in Stress, Development and Disease, Autophagy - A Biomedical Paradigm**. Ventura, CA, USA, 11-16 March 2012.
- 13) *Korkmaz G*, le Sage C, Tekirdag AK, Agami R, **Gozuacik D<sup>x</sup>**. miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. **EACR Conference on Cell Death in Cancer**. Amsterdam, The Netherlands, 26-28 January 2012.
- 14) *Mitou G*, Gulacti F, **Gozuacik D<sup>x</sup>**. A glycolysis enzyme is a new autophagy protein. **2nd EMBO Conference on Autophagy in health and disease**. Ma'ale Hachamisha, Israel, 30 October - 4 November, 2011.
- 15) *Korkmaz G*, Sage C, Agami R, **Gozuacik D<sup>x</sup>**. Autophagy-regulating miR-376b as a novel nanoparticle deliverable drug. **7th Nanoscience and Nanotechnology Conference**, Sabanci University, Istanbul, Turkey, 27 June-01 July 2011.
- 16) Korkmaz G, *Tekirdag AK*, le Sage C, Agami R, **Gozuacik D<sup>x</sup>**. Potential of nanoparticle delivery of new microRNA-based drugs. **7th Nanoscience and Nanotechnology Conference**, Sabanci University, Istanbul, Turkey, June 27- July 01, 2011.

- 17) *Itah Z*, Şeşen M , Oral O , Koşar A and **Gozuacik D<sup>x</sup>**. Biomedical use of nano-micro bubbles produced by hydrodynamic cavitation. **7th Nanoscience and Nanotechnology Conference**, Sabanci University, Istanbul, Turkey, 27 June-01 July 2011.
- 18) **Gozuacik D**, Bialik S, Raveh T, *Mitou G*, Shohat G, Sabanay H, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of ER stress-induced apoptosis and autophagic cell death. **Ideas and Initiatives Genetics of Neurological Disorders Workshop**, Bosphorus University, Istanbul, Turkey 15-17 October 2010.
- 19) *Kuzuoglu D*, Yalcinkaya OC, Korkmaz G, **Gozuacik D**, Budak H. “Cloning and functional analysis of Autophagy related gene, Atg, from Brachypodium and wild emmer wheat under abiotic stress”. **PAG-XVIII, Plant and Animal Genome XVIII Conference**, Town & Country Convention Center, San Diego, California, USA, January 9-13, 2010.
- 20) **Gozuacik D**, Bialik S, Raveh T, *Mitou G*, Shohat G, Sabanay H, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of ER stress-induced apoptosis and autophagic cell death. **International Cell Death Society, Multidisciplinary Approaches in Cell Death Research From Yeast to Man**”, Antalya, Turkey, 28-31 May 2010.
- 21) *Itah Z*, Oral O , Şeşen M, Koşar A and **Gozuacik D<sup>x</sup>**. Exploration of the cell killing effects of hydrodynamic cavitation”. **International Cell Death Society, Multidisciplinary Approaches in Cell Death Research From Yeast to Man**”, Antalya, Turkey, 28-31 May 2010.
- 22) *Korkmaz G*, Sage C, Agami R, **Gozuacik D<sup>x</sup>**. miRNA regulation of autophagy”. **International Cell Death Society, Multidisciplinary Approaches in Cell Death Research From Yeast to Man**”, Antalya, Turkey, 28-31 May 2010.
- 23) *Korkmaz G*, Agami R and **Gozuacik D<sup>x</sup>**. miRNA regulation of autophagy.”. **The 17th Euroconference on Apoptosis: Destruction, Degradation and Death**, Institut Pasteur, Paris, France, 23-26 September 2009.
- 24) **Gozuacik D**, Bialik S, Raveh T, *Mitou G*, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A. Death Associated Protein Kinase is an integrator of autophagy and apoptosis. **The 17th Euroconference on Apoptosis: Destruction, Degradation and Death**, Institut Pasteur, Paris, France, 23-26 September 2009.
- 25) *Gulacti F\**, Mitou M\*, **Gozuacik D<sup>x</sup>**. Discovery of interaction partners and regulators of the autophagy and apoptosis protein Atg. **European Workshop on Cell Death (EWCD)**, Hauenstein, Germany, 1-6 June 2008.
- 26) *Gulacti F\**, Mitou M\*, Nalbant SI, Akcaylar HI, Erman B, **Gozuacik D<sup>x</sup>**. Atg is a key regulatory molecule in autophagy pathways. **European Molecular Biology Organization (EMBO) International Forum**, Bogazici University, Istanbul, Turkey, 20-22 February 2008.

- 27) *Bilen H*, Hocaoglu MA, Korkmaz G, Unel M, **Gozuacik D**. Robotic manipulation of cells: An integrated visual survoing and force approach. **European Molecular Biology Organization (EMBO) International Forum**, Bogazici University, Istanbul, Turkey, 20-22 February 2008.
- 28) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of apoptosis and autophagic cell death. **Gordon Research Conference (GRC) on Autophagy in Stress, Development and Disease**, Ventura, CA, USA, 6-11 January 2008.
- 29) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of apoptosis and autophagic cell death. **Keystone Symposium: Autophagy in Health and Disease**, Monterey, CA, USA, 15-20 April 2007.
- 30) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T, Kimchi A. DAP kinase is a key mediator of stress-induced cell death. **Federation of Israeli Societies on Experimental Biology (FISEB) Conference**, Eilat, Israel. 7-10 February 2000.
- 31) *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. SERCA1-T a new SERCA1 truncated protein involved in cell proliferation and apoptosis. **4th European Calcium Society (ECS) Meeting on Calcium Binding Proteins**, Brussels, Belgium, 11-14 April 2000.
- 32) Chami M\*, **Gozuacik D\***, Saigo K\*, Capiod T, Falson P, Lecoeur H, Urashima T, Beckmann J, Gougeon ML, Claret M, le Maire M, Brechot C, Paterlini-Brechot P. In vivo targeting of SERCA1 gene by hepatitis B virus DNA integration in a human hepatocellular carcinoma. **43rd Annual Meeting of the Biophysical Society**, Baltimore, Maryland, USA, 13-17 February 1999.