

Devrim GOZUACIK's Curriculum Vitae

Education

- 2001, Ph.D. of Molecular and Cell Biology, Pasteur Institute, Necker Hospital and Paris XI University, Paris (Christian Brechot Lab).
- 1997, M.Sc. (French D.E.A. degree) of Biochemistry, Ecole Polytechnique and Paris XI University, Paris (Andrea Parmeggiani Lab).
- 1995, Medical Doctor (M.D.) Degree, Hacettepe University, Faculty of Medicine, Ankara.
- 1994, Research Fellow, Tumor Biology Dept., Erasmus University, Rotterdam (Anne Hagemeyer Lab).

Work Experience

- 2006-today, Lab Head and Faculty Member, Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul.
- 2001-2006, Postdoctoral fellow, Department of Molecular Genetics, Weizmann Institute of Science, Rehovot (Adi Kimchi Lab).
- 1995-1996, Part-time researcher, TUBITAK DNA and Cell Bank of Genetic Diseases, Hacettepe Children's Hospital, Ankara.

Professional Service

- Board of Directors Member of the International Cell Death Society (ICDS).
- Editorial Board Member of the Autophagy journal
- Founding member of the Turkish Molecular Biology Organization
- Founding member of the MolBioTurk (MBT) National Research Network

Memberships

- EMBO Young Investigators Programme (EMBO-YIP) Member
- TUBA Outstanding Young PI Program (TUBA-GEBIP) Member
- Member of the International Cell Death Society
- Member of the European Cell Death Organization
- Member of the European Association for Cancer Research
- Member of the European Microscopy Society
- Member of the Turkish Molecular Cancer Research Association (Moleküler Kanser Araştırma Derneği, MOKAD)
- Member of the Turkish Electron Microscopy Association (Türk Elektron Mikroskopisi Derneği)
- Member of the Turkish Cell Death Association (Hücre Ölümü Derneği)

Awards

2008: Turkish Academy of Sciences (TUBA) – Outstanding Young PI Award.

2006-2011: European Molecular Biology Organization (EMBO) Installation Grant and benefits including participation to “EMBO Young Investigator Programme”.

2006: Selected by **Roche Pharmaceuticals** as “One of the Top Twenty Leading Bioscientists of the Next Decade”.

Publications/Activities

Published articles

2009

Kosar A, Sahin O, Kubilay A, Oral O and **Gozuacik D**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **2nd Micro and Nano Flows Conference**, West London, UK 2009. **Conference paper.**

Bilen H, Hocaoglu MA, Baran EA, Unel M, **Gozuacik D**. Novel Parameter Estimation Schemes in Microsystems. **ICRA: 2009 IEEE International conference on robotics and automation**, Vol. 1-7 Book Series: IEEE International Conference on Robotics and Automation 2009. ICRA Pages: 263-68. **Conference paper.**

Mitou G, Budak H, and **Gozuacik D**. Techniques to Study Autophagy in Plants. **International Journal of Plant Genomics**, vol. 2009, Article ID 451357, 14 pages, **2009**. doi:10.1155/2009/451357. **Review.**

2008

Gozuacik D, 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. **Cell Death and Differentiation**, **2008** 15: 1875-86

2007

Gozuacik D and Kimchi A. Autophagy and cell death. **Current Topic in Developmental Biology**, **2007** 78:217-45. **Review.**

2006

Gozuacik D and Kimchi A. DAPk protein family and cancer. **Autophagy**. **2006** 2(2): 74-79. **Review.**

2005

Llambi F, Calheiros F, **Gozuacik D**, Pays L, Del Rio G, Kimchi A, Mehlen P. The dependence receptor UNC5H2 mediates apoptosis through DAP kinase. **EMBO Journal**, **2005** Mar 23;24(6):1192-201.

2004

Gozuacik D and Kimchi A. Autophagy as a cell death and tumor suppressor mechanism. **Oncogene**, **2004** Apr 12;23(16):2891-906. **Review.**

Shani G, Marash L, **Gozuacik D**, Bialik S, Teitelbaum L, Shohat G, Kimchi A. Death- associated protein kinase phosphorylates ZIP kinase, forming a unique kinase hierarchy to activate its cell death functions. **Molecular and Cellular Biology**, **2004** Oct;24(19):8611-26.

2003

Paterlini-Brechot P, Saigo K, Murakami Y, Chami M, **Gozuacik D**, Mugnier C, Lagorce D, Brechot C. 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.

Gozuacik D, Chami M, Murakami Y, Faivre J, Lagorce D, Poch O, Biermann O, Knippers R, Bréchet C, Paterlini-Brechot P. 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.

2001

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

Chami M*, **Gozuacik D***, Lagorce D, Brini M, Falson P, Peaucellier G, Pinton P, Lecoœur H, Gougeon ML, le Maire M, Rizzuto R, Brechot C, Paterlini-Brechot P. 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.

* **First authors with equal contribution.**

2000

Chami M*, **Gozuacik D***, Saigo K*, Capiod T, Falson P, Lecoœur H, Urashima T, Beckmann J, Gougeon ML, Claret M, le Maire M, Brechot C, Paterlini-Brechot P. Hepatitis B virus-related insertional mutagenesis implicates SERCA1 gene in the control of apoptosis. **Oncogene**, 2000 Jun 8;19(25):2877-86.

* **First authors with equal contribution.**

Brechot C, **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.**

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Book chapters

2001

Paterlini-Brechot P, 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.

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Scientific meeting organization

2010

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

2008

European Molecular Biology Organization (EMBO) International Forum, 2008, Istanbul, **Turkey**. **Organizers: Ozoren N, Gozuacik D**, Wallon G.

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

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Invited speeches (Selected)

Gozuacik D. New regulators of mammalian autophagy: Implications for cell survival and death. **International Cell Death Society (ICDS) Conference on: "Multidisciplinary Approaches in Cell Death Research"**, 28-31 May 2010, Kemer, Antalya, **Turkey**.

Gozuacik D. Discovery of interaction partners and regulators of the autophagy and apoptosis protein Atg5. **EMBO Conference on Autophagy: Cell Biology, Physiology and Pathology. 18-21 October 2009**, Monte Verita, Ascona, Switzerland.

Gozuacik D. 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"**. 5-9 June 2009, Johannesburg, **South Africa**.

Gozuacik D, 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. **6th European Workshop on Cell Death (EWCD), 2008**, Hauenstein, **Germany**.

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), 2006**, Snowbird, Utah, **USA**.

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”, **2006**, Basel, **Switzerland**.

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”, **2003**, Waterville, Maine, **USA**.