

CURRICULUM VITAE

Prof. Dr. Uygur Halis TAZEBAY

1. PERSONAL DATA

- 1.1. Date & Place of Birth : 3 March 1971, Ankara Turkey
1.2. Address : Dept. of Molecular Biology and Genetics
Gebze Institute of Technology
41400 Gebze
Kocaeli, Turkey
1.3. Phone : ++90 262 605 2522
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1.5. E-mail : tazebay@fen.bilkent.edu.tr
1.6. Foreign Languages : French, English

2. ACADEMIC DEGREES

- 2.1. Prof. Dr. Gebze Technical University
Molecular Biology and Genetics **2015**
- 2.2. Assoc. Prof. Dr. Gebze Institute of Technology
Molecular Biology and Genetics **2013**
- 2.3. Asst. Prof. Mol. Biology and Genetics – Bilkent University **2000**
- 2.4. Ph.D. Genetics and Physiology of Microorganisms
University of Paris XI, France **1998**
- 2.5. MS. Genetics and Physiology of Microorganisms
University of Paris XI, France **1994**
- 2.6. BS. Biology - Middle East Technical University
Ankara, Turkey **1993**

3. EMPLOYMENT HISTORY

- 3.1. 7/2015 – Present Professor
Gebze Technical University
Dept. of Molecular Biology and Genetics
Gebze, 41400 Kocaeli, Turkey
- 3.2. 1/2013-7/2015 Associate Professor
Gebze Technical University
Dept. of Molecular Biology and Genetics
Gebze, 41400 Kocaeli, Turkey

- 3.3. 9/2000 – 1/2013 Assistant Professor
Bilkent University
Dept. of Molecular Biology and Genetics
Bilkent, 06800 Ankara, Turkey
- 3.4. 8/1998 - 9/2000 Research Associate
Department of Molecular Pharmacology
Albert Einstein College of Medicine
New York, 10461 NY, USA

4. PROFESSIONAL AWARDS

- 4.1. Feyzi Akkaya Bilimsel Etkinlikleri Destekleme Vakfı (FABED Foundation) Outstanding Young Investigator Award – **2007**
- 4.2. Bilkent University Outstanding Teaching Award – **2003**
- 4.3. Turkish Academy of Sciences (TÜBA) Young Investigator Award (Üstün Başarılı Genç Bilim İnsanı Destekleme Programı, GEBIP) – **2002**
- 4.4. U.S. Department of Defense, Breast Cancer Research Program, Post-doctoral Traineeship Award – **1999**
- 4.5. Medical Research Foundation – France (Fondation Pour La Recherche Medicale) Ph.D Fellowship Award – **1997**
- 4.6. NATO Science Fellowship Program (NATO-A1 Ph.D. Fellowship) Scientific and Technical Research Council of Turkey (TUBITAK) – **1994**

5. HONORS, SCHOLARLY AND PROFESSIONAL DUTIES AND ACHIEVEMENTS

- 5.1. **Secretary**, Bioethics Committee, UNESCO-Turkey National Commission **2004-Present**
- 5.2. **External Specialist** (Dış Uzman), Turkish National Agency (Ulusal Ajans), Center for European Union Education and Youth Programmes, Republic of Turkey State Planning Organization (Devlet Planlama Teşkilatı) **2006-2009**
- 5.3. **Specialist**, General Directorate of Agricultural Research (TAGEM), Republic of Turkey Ministry of Agriculture and Rural Affairs **2006-2008**
- 5.4. **University Representative (Üniversite Temsilcisi)**, National Board on Genetically Modified Organisms, General Directorate of Agricultural Research (TAGEM), Republic of Turkey Ministry of Agriculture and Rural Affairs **2009-Present**

6. MEMBERSHIPS

- 6.1. The New York Academy of Sciences **2006-...**
- 6.2. American Chemical Society **2010-...**
- 6.3. President of the Molecular Biology Society (Turkey) **2010-...**

7. INVITED LECTURES AND INVITED TALKS

- 7.1. Invited Lecture, What Are the Scientific Promises of Nanobiotechnology, 6th National Internal Medicine Meeting, Çukurova University, Adana, **TURKEY, June 2011.**
- 7.2. Invited Lecture, Identification of a Novel Protein (Ccdc-124) Interacting with RasGEF-1B, University of Utrecht Medical Center (UUMC), Utrecht, **The NETHERLANDS, December 2009.**
- 7.3. Invited Lecture, A Novel Conserved Eukaryotic Protein Interacting with RasGEF-1B, Max-Planck Institute of Molecular Physiology, Dortmund, **GERMANY, November 2008.**
- 7.4. Invited Lecture, Novel Genetic Elements Regulating the Transcription of the Na⁺/I⁻ Symporter (NIS) Gene”, Faculty of Natural Sciences, Sabanci University, Istanbul, **TURKEY, November 2007.**
- 7.5. Invited Lecture, Novel Genetic Elements Regulating the Transcription of the Na⁺/I⁻ Symporter (NIS) Gene”, Department of Molecular Biology and Genetics, Bilkent University, Ankara, **TURKEY, October 2007.**
- 7.6. Invited Lecture, Identification of Novel Genetic Elements Regulating the Transcription of the Na⁺/I⁻ Symporter (NIS) Gene, Institute of Biotechnology and Molecular Biology of Middle Italy (BIOGEM), Ariano Irpino, Avellino, **ITALY, September 2007.**
- 7.7. Invited Talk, How Many Copies Are You: Technical and Medical Aspects of Human Cloning, Philosophy Day - A Day of Philosophy with Bilkent Faculty, Bilkent University, Ankara, **TURKEY, December 2005.**
- 7.8. Invited Lecture, Transcriptional regulation of the Na⁺/I⁻ Symporter Gene in Human Mammary Gland Cells by Estrogen and Retinoic Acid, University of Naples “Federico-II” Medical School, Department of Endocrinology, Naples, **ITALY, June 2005.**
- 7.9. Invited Lecture, “Smell and Taste of...the Nobel Prize in Medicine or Physiology 2005” Faculty of Science Seminer, Bilkent University, Ankara, **TURKEY, January 2005.**
- 7.10. Invited Lecture, Regulation of the Na⁺/I⁻ Symporter Gene in Healthy and Cancerous Mammary Gland Cells, Swiss Institute for Experimental Cencer Research (ISREC), Lausanne, **SWITZERLAND, January 2005.**
- 7.11. Invited Lecture, Transcriptional Regulation of NIS Gene in Mammary Gland Cells, Middle East Technical University, Department of Biological Sciences, Ankara, **TURKEY, October 2004.**
- 7.12. Invited Lecture, Transcriptional Regulation of NIS Gene in Mammary Gland Cells, Bosphorus University, Department of Molecular Biology and Genetics, Istanbul, **TURKEY, December 2004.**
- 7.13. Invited Lecture, Regulation of the Na⁺/I⁻ Symporter Gene in Lactating Mammary Gland and in Human Breast Cancer, University of Naples Federico II, Naples, **ITALY, January 2003.**
- 7.14. Invited Lecture, Regulation of the NIS Gene in Normal and Cancerous Breast Tissue, Department of Biotechnology, Ege University, Izmir, **TURKEY, May 2003.**

- 7.15. Invited Talk, Regulation of the Na⁺/I⁻ Symporter gene in human mammary gland cell lines, Symposium on Transcriptional Regulation in Eukaryotic Organisms, Bilkent University, Ankara, **TURKEY, May 2002.**
- 7.16. Invited Lecture, The Na⁺/I⁻ Symporter Expression in Mammary Gland During Lactation and in Breast Cancer, Sabancı University, İstanbul, **TURKEY, November 2002.**

8. PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS

- 8.1. **Poster:** 'A conserved coiled-coil domain containing (Ccdc) perinuclear golgi protein is identified as a novel polo-like kinase-1 (Plk1) substrate.' Pelin Telkoparan, Lars Meijer, Holger Rehmann, and **Uygar H. Tazebay.** EMBO Conference on Centrosome and Spindle Pole Body, October 2-6, **2011**, Barcelona, Spain.
- 8.2. **Lecture:** 'Nanobiyoteknoloji İnsanlığa Ne Sunacak.' **Uygar H. Tazebay.** 6. Çukurova İç Hastalıkları Günleri, 10 Haziran **2011**, Hilton Hotel, Adana, Türkiye.
- 8.3. **Poster:** 'Identification of interaction partners of RasGEF1 family of guanine nucleotide exchange factors that regulate Rap2 GTP-binding protein.' Pelin Telkoparan, Lars Meijer, Elif Yaman, Holger Rehmann, and **Uygar H. Tazebay.** Advances in Immunology and Cancer Biology Workshop, 15-17 April, **2011**, Boğaziçi University, İstanbul, Turkey.
- 8.4. **Poster:** 'Intronic elements in the Na/I symporter gene (NIS) interact with retinoic acid receptors and mediate initiation of transcription.' **Uygar H. Tazebay.** Gordon Research Conference on Mammary Gland Biology, June 6-11, **2010**, Lucca (Barga), Italy.
- 8.5. **Poster:** 'RasGEF1 family of guanine nucleotide exchange factors mediate Rap2-specific nucleotide exchange.' Elif Yaman, Raphael Gasper, Caroline Koerner, Alfred Wittinghofer, and **Uygar H. Tazebay.** EMBO Meeting 2009, 29 August-1 September **2009**, RAI, Amsterdam, the Netherlands.
- 8.6. **Lecture:** 'Temel Kavramlar: Etik, Biyoetik, Hukuk.' **Uygar H. Tazebay.** UNESCO Türkiye Milli Komisyonu Biyoetik Toplantıları Serisi-Edirne, 2 Ekim **2009**, Trakya Üniversitesi, Edirne.
- 8.7. **Lecture:** 'Transcriptional regulation of the Na⁺/I⁻ symporter gene in the mammary gland.' **Uygar H. Tazebay.** EMBO Young Scientist Forum, February 20-22, **2008**, İstanbul, Turkey.
- 8.8. **Lecture:** 'Relevance of the Na⁺/I⁻ Symporter System in Breast Cancer' **Uygar H. Tazebay.** IV. Ulusal Cerrahi Onkoloji Kongresi, May 24-27, **2007**, Antalya, Turkey.
- 8.9. **Poster:** 'Unliganded estrogen receptor-α activates transcription of the mammary gland Na/I symporter gene.' Hani Alotaibi, Elif Yaman, Ediz Demirpençe, and **Uygar H. Tazebay.** 7th EMBL Transcription Meeting, EMBL Heidelberg, 26-30 August **2006**, Heidelberg, Germany.
- 8.10. **Poster:** 'Oestrogen receptor-α activates transcriptional regulation of the mammary gland NIS gene.' Elif Yaman-Çankaya, Hani Alotaibi, Ediz

Demirpençe, and **Uygar H. Tazebay**. 31st FEBS Congress, 24-29 June **2006**, Istanbul, Turkey.

- 8.11. **Lecture:** 'Genlerin Promotor Bölgelerinin Saptanması ve Genetik Hastalıklardaki Rolü (Establishing Gene Promoter Regions and Their Roles in Genetic Abnormalities)' **Uygar H. Tazebay**. 2nd National Symposium of Medical Genetics, 06-07 Kasım **2003**, Cumhuriyet University, Sivas, Türkiye.
- 8.12. **Lecture:** 'Normal ve kanserli meme dokusunda iyot taşınması ve hormonal kontrolü'. **Uygar H. Tazebay**. 17. Ulusal Biyokimya Kongresi, 24-27 Haziran **2002**, Middle East Technical University, Ankara, Türkiye.
- 8.13. **Lecture:** 'The Na⁺/I⁻ Symporter Expression in Mammary Gland During Lactation and in Breast Cancer.' **Uygar H. Tazebay**. 12th Small Meeting of Yeast Transport and Energetics (SMYTE), September 12-14, **2001**, Chania (Crete), Grece.

9. TEACHING

9.1. Graduate Courses:

MBG 505 Advanced Molecular Genetics Taught 3 Semesters	(3 Credits, Must)
MBG 509 Special Topics in Molecular Biology I Taught 3 Semesters	(3 Credits, Elect.)
MBG 510 Special Topics in Molecular Biology II Taught 3 Semesters	(3 Credits, Elect.)
MBG 612 Special Topics in Genetics I Taught 3 Semesters	(3 Credits, Elect.)
MBG 613 Special Topics in Genetics II Taught 3 Semesters	(3 Credits, Elect.)
MBG 623 Seminars in Molecular Genetics Taught 1 Semester	(0 Credits, Must)

9.2. Undergraduate Courses:

MBG 105 Principles of Biology Taught 2 Semesters	(3 Credits, Must)
MBG 110 Introduction to Modern Biology Taught 1 Semester	(3 Credits, Elect.)
MBG 209 Principles of Molecular Genetics Taught 4 Semesters	(3 Credits, Elect.)
MBG 222 Fundamentals of Molecular Genetics Taught 2 Semester	(3 Credits, Elect.)
MBG 223 Molecular Genetics Taught 9 Semesters	(4 Credits, Must)
MBG 338 Microbiology Taught 7 Semesters	(4 Credits, Must)
MBG 323 Molecular Biology of the Gene-I Taught 2 Semesters	(3 Credits, Must)

MBG 471 Membrane Biology (3 Credits, Elect.)
Taught **1 Semester**

MBG 416 Science and Ethics (3 Credits, Must)
Taught **9 Semesters**

9.3. Independent Study Supervised:

Asli **AYAZ**, Senior Project, "Interactions between cis- and trans-acting factors in NIS regulation in the *Saccharomyces cerevisiae* model." Completed, June 2002.

Özkan **AYDEMİR**, Senior Project, "Interactions between cis- and trans-acting factors in NIS regulation in the *Saccharomyces cerevisiae* model." Completed, June 2002.

Oya **CİNGÖZ**, Senior Project, "Screening of a mammary gland tissue proteins binding to 5' NIS URR in a yeast heterologous system." Completed, June 2003.

Cafer **ÖZDEMİR**, Senior Project, "Screening of a stomach tissue proteins binding to 5' NIS URR in a yeast heterologous system." Completed, June 2003.

Güniz **İSKENDER**, Senior project, "Identification of the effect of recombinant human TSH on thyroid specific genes by real time RT-PCR." Completed, June 2004.

Özhan **ÖCAL**, Senior project, "Screening of NG-1 expression in Bilkent MBG cell lines collection." Completed, June 2004.

Elif **SARINAY**, Senior project, "Purification of the human mcaP gene and generation of a monoclonal antibody recognizing McaP." Completed, June 2005.

Başak **ÖZTÜRK**, Senior project, "GFP-tagged expression of the human McaP protein." Completed, June 2004.

Sevil **YAVUZ**, Senior project, "Analysis of NIS gene 5' region chromatin structure." Completed, June 2005.

Ayşe Banu **DEMİR**, Senior Project, "GFP-tagged expression of the human McaP protein." Completed, June 2006.

Rümeysa **BIYIK**, Senior Project, "Purification and crystallization of the human McaP protein." Completed, June 2006.

Ceren **ÖZGÜN**, Senior Project, "Functions of RasGEF family of proteins." Completed, June 2007.

Ali Giray **KORKMAZ**, Senior Project, "Regulation of NIS expression in human placenta." Completed, June 2007.

Elif **KARADADAŞ**, Senior Project, "Regulation of Ras pathway in normal vs. malignant human cells." Completed, June 2008.

Kürşat Kutalmış **PEKGÖZ**, Senior Project, “Bioinformatics comparison of guanine exchange domain proteins in eukaryotes.” Completed, June 2009.

Cem **ŞENGEL**, Senior Project, “Activation of Ras signaling pathway by Endodermal Growth Factor.” Completed, June 2010.

Defne **BAYIK**, Senior Project, “The role of RasGEF proteins in signaling via Ras.” Completed, June 2010.

Inci Hande **YENER**, Senior Project, “Cellular Functions of Nucleolin / Nucleophosmin Proteins.” Completed, June 2011.

Fatma Gözde **KIŞLA**, Senior Project, “Cellular Functions of coiled-coil domain containing proteins.” Completed, June 2011.

Z. Cemre **DEMİR**, Senior Project, “Cellular Functions of Rap1 GTP-binding proteins.” Completed, June 2011.

Seçil **UYANIKER**, Senior Project, “A bibliographic study on the role of molecular changes in *Hox* gene families in developmental evolution of *Crustaceans*.” Completed, June 2011.

10. GRADUATE STUDENT SUPERVISION

Ph.D. Students:

- 10.1. **Hani ALOTAIBI, Ph.D.**, "Identification of novel genetic elements controlling transcriptional regulation of the human Na⁺/I⁻ symporter (NIS) gene", **1/2001 – 7/2006 (Graduated)**
- 10.2. **Elif YAMAN, Ph.D.**, "Functional identification of RasGEF1 family of exchange factors as activators of Rap2, and as interacting partners of Ccdc-124", **9/2003 – 12/2009 (Graduated)**
- 10.3. **Mutlu ERDOĞAN, Ph.D.**, "Application of femtosecond fiber lasers for manipulating neuronal dynamics", **9/2007 – 6/2014 (Graduated)**
- 10.4. **Pelin TELKOPARAN, Ph.D.**, "Regulation of RasGEF1 (Ras-Guanine Nucleotide Exchange Factor-1) family of proteins and their involvement in control of Rap2 GTP-binding protein modulated signal transduction", **9/2009 – 6/2013 (Graduated)**
- 10.5. **Eda Gazel PEHLİVAN**, "Ccdc124 gen mütasyonlarının İnsan'da tümör oluşumundaki rolü" **9/2013- Continues.**
- 10.6. **Özge ARSLAN, MSc.**, "Identification and cellular functional analysis of RNAs interacting with the RNA-binding protein Ccdc124" **03/2015- Continues.**

M.Sc. Öğrencileri:

- 10.7. **Ömer GÜLLÜLÜ**, "Coiled-coil domain-containing 124 (Ccdc124) proteinin işlevleri ve hücre-altı konumunun transkripsiyon sonrası mekanizmalarla düzenlenmesi" **03/2015-Continues.**
- 10.8. **Sinem GÜNDÜZ**, "CRISPR/Cas9 yöntemi aracılığı ile insan coiled-coil domain-containing 124 (Ccdc124) gen delesyonunun hücre bölünmesine etkileri." **02/2012-07/2015 (Graduated).**
- 10.9. **Özge ARSLAN, MSc.**, "Coiled-coil domain-containing 124 (Ccdc124) artışının hücre fizyolojisine ve bölünmesine etkileri." **02/2012-02/2015 (Graduated).**
- 10.10. **Irem GÜRBÜZ, MSc.**, "Monoclonal antibody production for Coiled-coil domain containing-124 (Ccdc-124) and its molecular characterization", **9/2008 – 8/2010 (Graduated)**
- 10.11. **Serap ERKEK, MSc.**, "Hanein-1, a novel conserved eukaryotic protein ubiquitously expressed in human tissues", **9/2006 – 8/2008 (Graduated)**
- 10.12. **Esra KARAKÖSE, MSc.**, "Functional characterization of Loc115098: A novel gene conserved in eukaryotic genomes", **9/2004 – 1/2007 (Graduated)**
- 10.13. **Neriman Tuba GÜLBAĞCI, MSc.**, "Estradiol dependent transcriptional regulation of hNIS", **9/2000 – 8/2002 (Graduated)**

11. PATENTS

11.1. "Methods for the Diagnosis and Treatment of Breast Cancer."

United States Patent No. 6,821,725. Patent filing date: Mar. 7, 2000; **Patent date: Nov. 23, 2004**. Inventors: Drs. Nancy CARRASCO (New York, USA), Orsolya DOHAN (New York, USA), **Uygar H. TAZEBAY (Bilkent, Turkey)**, Irene L. WAPNIR (Stanford, USA).

11.2. "Methods for the Diagnosis and Treatment of Breast Cancer."

United States Patent No. 7,303,740. Patent filing date: Oct. 8, 2004; **Patent date: Dec. 4, 2007**. Inventors: Drs. Nancy CARRASCO (New York, USA), Orsolya DOHAN (New York, USA), **Uygar H. TAZEBAY (Bilkent, Turkey)**, Irene L. WAPNIR (Stanford, USA).

SCHOLARLY PUBLICATIONS

12.1. Ph.D. Dissertation

12.1.1. Analyse mutationnelle et étude de la regulation du gène *prnB* impliqué dans le transport de la proline chez *Aspergillus nidulans* (Mutational analysis and study on regulation of gene *prnB* involved in proline uptake in *Aspergillus nidulans*). Defended on the 10th of July, **1998**.

Thesis supervisor: Prof. Dr. Claudio SCAZZOCCHIO, University of Paris-XI, France.

12.2. M.Sc Dissertation (Diplome D'Etudes Approfondie, DEA)

12.2.1. Analyse du structure/fonction du gène *prnB* impliqué dans le transport de la proline chez *Aspergillus nidulans* (Structure/function analysis of gene *prnB* involved in proline uptake in *Aspergillus nidulans*). Defended on the 9th of September, **1994**.

Thesis supervisor: Prof. Dr. Claudio SCAZZOCCHIO, University of Paris-XI, France.

12.3. Chapters in books or monographs.

12.3.1. "Iodine in milk: transport, metabolic implications and relation to endocrine function" in Dietary and Nutritional Aspects of Human Milk, (Edited by Victor P. Reedy, Sherma Zibadi, and Ronald R. Watson). Place of publication: Wageningen Academic Publishers, Wageningen, the Netherlands. **Authors: Pelin Telkoparan and Uygar Halis Tazebay (in press)**.

12.3.2. "Regulation of the Functional Na⁺/I⁻ Symporter (NIS) Expression in Breast Cancer Cells" in Breast Cancer Cells: Book 5 (Edited by Brunhilde Felding-Habermann). Place of publication: INTECH Publishing, Rijeka, Croatia **2011**. Pages 103-122. Author: Uygar Halis Tazebay.

12.3.3. "Canlı Hücreyi Anlamak için Bir Araç: Genomların Evrimsel Analizi (Analysis of Genome Evolution as a Tool to Understand the Living Cell)" in Bilimden Felsefeye Akademik Bir Çevrenin Serüveni. (Edited by Serap Şahinoğlu, Kumru Arapgirlioğlu, Hürkan Çelebi, Yaman Örs).

Place of publication: Bilim ve Gelecek Kitaplığı, İstanbul **2011**. Pages 361-369. Authors: Uygur Halis Tazebay and Pelin Telkoparan.

- 12.3.4. "*Aspergillus nidulans*'ta Genetik Regülasyon (Genetic Regulation in *Aspergillus nidulans*)" in *Aspergillus*. (Edited by Beyza Ener) Place of publication: Türk Mikrobiyoloji Cemiyeti Yayını, İstanbul **2006**. Vol. 56, pages 82-85. Author: Uygur Halis Tazebay.
- 12.3.5. "Genetik Araştırmalar ve Etik" in *Bilimsel Düşünce ve Araştırmada Etik*. (Edited by H. Güven and S. Gidener). Place of publication: Dokuz Eylül University Publishing, İzmir **2003**. Pages 129-140. Author: Uygur Halis Tazebay.

12.4. Articles in refereed journals

- 12.4.1. "Coiled-coil domain-containing protein 124 is a novel centrosome and midbody protein that interacts with the Ras-guanine nucleotide exchange factor 1B and is involved in cytokinesis". *PLoS One*, Vol. 8(7), **Jul. 2013**, E-publication: e69289.
Telkoparan P, Erkek S, Yaman E, Alotaibi H, Bayik D, **Tazebay UH*** (*Corresponding Author).
- 12.4.2. "Na⁺/I⁻ symporter and type 3 iodothyronine deiodinase gene expression in amniotic membrane and placenta and its relationship to maternal thyroid hormones". *Biol. Trace Elem. Res.*, **Jul. 2013**, s12011-013-9748-y (*in press*).
Akturk M, Sargin-Oruc A, Danisman N, Erkek S, Buyukkagnici U, Unlu E, **Tazebay UH**.
- 12.4.3. "CD81 interacts with the T-cell receptor to suppress signaling". *PLoS One*, Vol. 7(11), **Nov. 2012**, E-publication: e50396.
Cevik IS, Keskin N, Belkaya S, Ozlu MI, **Tazebay UH**, Erman B.
- 12.4.4. "Fiber-laser microscope system for femtosecond photodisruption of biological samples". *Biomedical Optics Express*, Vol. 3(3), **Feb. 2012**, 605-611.
Yavas S, Erdogan M, Gürel K, Ilday FÖ, Eldeniz YB, **Tazebay UH**
- 12.4.5. "Texturing of titanium (Ti6Al4V) medical implant surfaces with MHz-repetition-rate femtosecond and picosecond Yb-doped fiber lasers". *Optics Express*, Vol. 19(11), **May 2011**, 10986-10996.
Erdogan M, Oktem B, Kalaycioglu H, Yavas S, Mukhopadhyay P, Aykac Y, **Tazebay UH**, Ilday FÖ.
- 12.4.6. "Intronic elements in the Na⁺/I⁻ symporter gene (NIS) interact with retinoic acid receptors and mediate initiation of transcription". *Nucleic Acids Research*, Vol. 38(10), **Jun. 2010**, 3172-3185.
Alotaibi H, Yaman E, Salvatore D, Di Dato V, Telkoparan P, Di Lauro R, **Tazebay UH*** (*Corresponding Author).
- 12.4.7. "The ability to generate senescent progeny as a mechanism underlying breast cancer cell heterogeneity." *PLoS One*, Vol. 5(6), **Jun. 2010**, E-publication: e11288.
Mumcuoglu M, Bagislar S, Yuzugullu H, Alotaibi H, Senturk S, Telkoparan P, Gur-Dedeoglu B, Cingoz B, Bozkurt B, **Tazebay UH**,

Yulug IG, Akcali KC, Ozturk M.

- 12.4.8. "RasGEF1A and RasGEF1B are guanine nucleotide exchange factors that discriminate between Rap GTP-binding proteins and mediate Rap2-specific nucleotide exchange." FEBS Journal, Vol. 276(16), **Aug. 2009**, 4607-4616.
Yaman E, Gasper R, Koerner C, Wittinghofer A, **Tazebay UH*** (***Corresponding Author**).
- 12.4.9. "The comparative effects of gene modulators on thyroid specific genes and radioiodine uptake." Cancer Biotherapy and Radiopharmaceuticals, Vol. 22(3), **Apr. 2007**, 281-288.
Tuncel M, Aydın D, Yaman E, **Tazebay UH**, Güç D, Doğan AL, Taşbasan B, Uğur Ö.
- 12.4.10. "Unliganded estrogen receptor-alpha activates transcription of the mammary gland Na⁺/I⁻ symporter gene." Biochemical and Biophysical Research Communications, Vol. 345(4), **Jul. 2006**, 1487-1496.
Alotaibi H, Yaman-Çankaya E, Demirpençe E, **Tazebay UH*** (***Corresponding Author**).
- 12.4.11. "Mutational analysis of the major proline transporter of (PrnB) of *Aspergillus nidulans*." Molecular Membrane Biology, Vol. 20(4), **Oct-Dec. 2003**, 285-297.
Tavoularis SN, **Tazebay UH**, Diallinas G, Rosa A, Scazzocchio C, Sophianopoulou V.
- 12.4.12. "The mammary gland iodide transporter is expressed during lactation and in breast cancer." Nature Medicine, Vol. 6(8), **Aug. 2000**, 871-878.
Tazebay UH, Wapnir IL, Levy O, Dohan O, Zuckier LS, Zhao QH, Deng HF, Amenta PS, Fineberg S, Pestell RG, Carrasco N.
- 12.4.13. "The gene encoding the major proline transporter of *Aspergillus nidulans* is upregulated during conidiospore germination and in response to proline induction and amino acid starvation." Molecular Microbiology, Vol. 24(1), **Apr. 1997**, 105-117.
Tazebay UH*, Sophianopoulou V, Scazzocchio C, Diallinas G. (***Corresponding Author**).
- 12.4.14. "Post-transcriptional control and kinetic characterization of proline transport in germinating conidiospores of *Aspergillus nidulans*." FEMS Microbiology Letters, 132(1), **Oct. 1995**, 27-37.
Tazebay UH, Sophianopoulou V, Cubero B, Scazzocchio C, Diallinas G.
- 12.4.15. "Structure-function analysis of the proline permease (PrnB) of the filamentous fungus *Aspergillus nidulans*." Folia Microbiologica (Prague), Vol. 39(6), **Oct. 1994**, 551.
Tazebay UH, Sophianopoulou V, Rosa A, Scazzocchio C, Diallinas G.
- 12.5. **Other publications, including translations, research notes, limited-**

circulation reports, etc.

12.5.1. Translation:

"Küçük Moleküllerin Zardan Taşınması ve Zarların Elektriksel Özellikleri" in Hücrenin Moleküler Biyolojisi [Molecular Biology of the Cell] (Edited by N. Buyru, N. Dalay, M. Özgüç, M. Öztürk ve M. Sakızlı). Place of publication: Türkiye Bilimler Akademisi (TÜBA) yayınları, Sistem Ofset Basım Yayın, Ankara, **Nov. 2008**. Pages 611-658. **Author (Translator): Uygur Halis Tazebay.**

12.6. Review Article in Turkish

12.6.1. "Ras Family of Proteins: Cellular Function, Molecular Control and its Role in Oncogenesis". Türk Biyokimya Dergisi / Turkish Journal of Biochemistry 36(4), **Dec. 2011**, 367-373. Authors: Telkoparan P, **Tazebay UH**

CURRENT RESEARCH INTERESTS

- Regulation of cytokinetic abscission.
- Cellular and molecular regulation of RasGEF1 (Ras-Guanine Nucleotide Exchange Factor-1) family of proteins and their involvement in control of Rap2 GTP-binding protein modulated signal transduction.