

CV – AHMET CAN TIMUÇIN

1. **Name/Surname:** Ahmet Can Timuçin
2. **Date of Birth:** 28.04.1983
3. **Title:** Dr.
4. **Education:** Ph.D.

Degree	Field	University	Year
BS.	Biological Sciences and Bioengineering	Sabancı University	2003-2007
MS.	Human Nutrition	Columbia University (U.S.A.)	2007-2008
PhD.	Biological Sciences and Bioengineering	Sabancı University	2008-2015

5. Academic Titles:

Assistant Professor : 2.10.2017

6. MS. and PhD Thesis

6.1. MS Thesis

MS. in Human Nutrition (Basic Science Track)

Advisor: Assoc. Prof. Dr. Ravichandran Ramasamy

Thesis: Modulation of Cell Death by Aldose Reductase Pathway in Diabetic Hearts

Institute of Human Nutrition, College of Physicians and Surgeons, Columbia University Medical Center
NY / U.S.A.

6.2. PhD. Thesis

Ph.D. in Biological Sciences and Bioengineering

Advisor: Prof. Dr. Hüveyda Başağa

Thesis: IDENTIFICATION OF SIRT1 AS A NOVEL REGULATOR OF NFAT5 DEPENDENT ALDOSE REDUCTASE EXPRESSION UNDER OSMOTIC STRESS

Molecular Biology, Genetics and Bioengineering Program, Faculty of Engineering and Natural Sciences,
Sabancı University

7. Publications

7.1. International articles in refereed journals (SCI & SSCI & Arts and Humanities)

1) Selective Targeting of Antiapoptotic BCL-2 Proteins in Cancer, **Timucin A.C.**, Basaga H., Kutuk O. MEDICINAL RESEARCH REVIEWS, Under Review, 2018

2) Pro-apoptotic effects of Lipid Oxidation Products: HNE at the crossroads of NF-κB Pathway and Anti-Apoptotic Bcl-2, **Timucin A.C.**, Basaga H., FREE RADICAL BIOLOGY AND MEDICINE, Volume 111, Pages 209-218, Publication Date: October 2017

3) SIRT6 is a Positive Regulator of Aldose Reductase Expression in U937 and HeLa cells under Osmotic Stress: *In vitro* and *in silico* insights, **Timucin A.C.**, Basaga H., PLOS ONE, 11(8), e0161494, Publication Date: August 2016

4) AMP-activated protein kinase couples 3-bromopyruvate-induced energy depletion to apoptosis via activation of FoxO3a and upregulation of proapoptotic Bcl-2 proteins, Bodur C, Karakas B, **Timucin A.C.**, Tezil T., Basaga H., MOLECULAR CARCINOGENESIS, Volume 55, Issue 11, Pages 1584–1597 Publication

Date: November 2016

5) SIRT1 contributes to aldose reductase expression through modulating NFAT5 under osmotic stress: *In vitro* and *in silico* insights, **Timucin A.C.**, Bodur C., Basaga H., CELLULAR SIGNALLING, Volume: 27 Issue: 11 Pages 2160-72, Publication Date: November 2015

6) Screening of new antileukemic agents from essential oils of algae extracts and computational modeling of their interactions with intracellular signaling nodes, Atasever-Arslan B, Yilancioglu K, Kalkan Z, **Timucin A.C.**, Gür H, Isik FB, Deniz E, Erman B, Cetiner S., EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, Volume 83, Pages 120–131, Publication Date: February 2016

7) Antibody Array-Based Immunosensor for Detecting Cardiovascular Disease Risk Markers, **Timucin C.**, Gul O., Kutuk O., Basaga H., JOURNAL OF IMMUNOASSAY & IMMUNOCHEMISTRY, Volume: 33, Issue: 3, Pages: 275-290, Publication Date: 2012

8) Identification of biomarkers for the antiangiogenic and antitumour activity of the superoxide dismutase 1 (SOD1) inhibitor tetrathiomolybdate (ATN-224), Donate, F., Juarez, JC., Burnett, ME., Manuia, MM., Guan, X., Shaw, DE., Smith, ELP., **Timucin, C.**, Braunstein, MJ., Batuman, OA., Mazar, AP., BRITISH JOURNAL OF CANCER, Volume: 98, Issue: 4, Pages: 776-783, Publication Date: February 2008

7.3. Presentations and proceedings in international meetings

1) Early biomarkers for the anti-angiogenic and anti-tumor activity of the superoxide dismutase 1 (SOD1) inhibitor tetrathiomolybdate, Braunstein, MJ., Smith, E., **Timucin, C.**, Donate, F., Juarez, JC., Burnett, M., Manuia, M., Shaw, DE., Mazar, AP., Batuman, O., 49th Annual Meeting of the American-Society-of-Hematology Location: Atlanta, GA Date: DEC 08-11, 2007, BLOOD, Volume: 110, Issue: 11, Pages: 121B-121B, Part: 2, Meeting Abstract: 4214, Publication Date: 2007

2) Differential effects of Hsp70 inhibition within the tumor and microenvironment in multiple myeloma, Braunstein, MJ., Liu, N., Klueppelberg, U., Scott, C., Behrman, S., **Timucin, C.**, Walter, P., Wipf, P., Brodsky, J., Batuman, O., 48th Annual Meeting of the American-Society-of-Hematology Location: Orlando, FL Date: DEC 09-12, 2006, BLOOD, Volume: 108, Issue: 11, Pages: 357B-357B, Part: 2, Meeting Abstract: 5070, Publication Date: 2006

8. Projects

2016/2017 – Sabancı University Individual Research Fund

2014 – PhD student scholarship in TÜBİTAK funded project (Project Code: 113Z463)

10. Memberships in scientific and professional organizations

American Society of Nutrition

11. Awards

2008-2013 – Full PhD. scholarship from Sabancı University

12. Undergraduate and graduate level courses lectured in last two years.

Academic Year	Term	Course Name	Weekly Hour		# of students
			Theoretical	Lab	
2017/2018	Fall	General Biology I	3	6	79
		Immunology	2		28
		Current Developments in Molecular Biology	2		60
		Basic Forensic Biology (Graduate)	3		2
		Graduation Project			4
	Spring	Special Topics in Biochemistry	3		28
		Cancer Molecular Biology	3		36
		Recombinant DNA Technology	3	4	35
		Behavior Genetics (Graduate)	3		3
	Graduation Project			6	
2016/2017	Fall	Immunology	2		35
		Behavior Genetics (Graduate)	3		4
	Spring	Addiction Genetics (Graduate)	3		5