

BOĞAZIÇI ÜNİVERSİTESİ
ATAMA YÜKSELTME ÖZGEÇMİŞ FORMU
(CV TEMPLATE FOR BOĞAZIÇI UNIVERSITY
ACADEMIC APPOINTMENTS AND PROMOTIONS

1. KİŞİSEL BİLGİLER

Adı Soyadı (*Name – Surname*): Umut Şahin
Doğum Tarihi (*Date of Birth*) : 29/08/1977
e-posta (*e-mail*) : umut.sahin@boun.edu.tr
Telefon (*Phone*) : 0212-3597383

2. EĞİTİM (EDUCATION)

	Başlangıç Tarihi (Ay/Yıl) (<i>Start Date- Month/Year</i>)	Mezuniyet Tarihi (Ay/Yıl) (<i>Graduation Date - Month/Year</i>)	Üniversite (<i>University</i>)	Bölüm/Program (<i>Department/Program</i>)
Doktora (<i>PhD</i>)	Eylül 1999	Mayıs 2005	Brown University	Molecular and Cellular Biology and Biochemistry
Yüksek Lisans (<i>MSc/MA</i>)				
Lisans (<i>BSc/BA</i>)	Eylül 1995	Haziran 1999	Boğaziçi Üniversitesi	Moleküler Biyoloji ve Genetik Bölümü

3. AKADEMİK UNVANLAR VE KADROLAR (ACADEMIC TITLES AND POSITIONS)

Boğaziçi Üniversitesi'nde ilk atanma tarihi (<i>Date of initial appointment at Boğaziçi University</i>)	Kasım 2015
Boğaziçi Üniversitesi'nde ilk atandığı kadro (<i>First academic position at Boğaziçi University</i>)	Yardımcı Doçent (Dr. Öğr. Üyesi)
Boğaziçi Üniversitesi'nde Dr. Öğretim Üyelğine ilk atanma tarihi (<i>Date of appointment as Assistant Professor at Boğaziçi University</i>)	Kasım 2015
Üniversitelerarası Kurul Doçentlik ünvan tarihi (<i>Date of Associate Professorship granted by the Turkish Inter-University Board</i>)	Kasım 2017
Boğaziçi Üniversitesi'nde Doçentlik kadrosuna atanma tarihi (<i>Date of promotion to Associate Professorship at Boğaziçi University</i>)	Ekim 2018

**4. BÜ DIŞINDAKİ İŞ DENEYİMİ (AKADEMİ DIŞINDAKİLER DE DAHİL)(*WORK
EXPERIENCE OUTSIDE BU, INCLUDING NON-ACADEMIC POSITIONS*)^a**

	İşveren (<i>Name of employer</i>)	Görevin adı (<i>Job title</i>)	Görev alma tarihleri (<i>Employment dates</i>)
1.	INSERM, CNRS (Paris, Fransa)	Postdoc	2010-2015
2.	Institut Pasteur (Paris, Fransa)	Postdoc	2007-2010
3.	Weill Medical College of Cornell University	Postdoc	2005-2007
4.	Memorial Sloan-Kettering Cancer Center	Graduate Research Assistant (grad student)	2001-2005

5. ARAŞTIRMA KONULARI (RESEARCH TOPICS/AREAS)

1.	Protein biyokimyası, post-translasyonel modifikasyonlar, SUMO/Ubiquitin
2.	Hedefli tedaviler, nörodejenerasyon
3.	Hücre Biyolojisi, PML tümör baskılayıcı proteini

^a Tablolara gerektiği kadar satır ilave edebilirsiniz. (*You can add as many rows as necessary to the tables.*)

6. ARAŞTIRMA PROJELERİ (RESEARCH PROJECTS)

	Fonlayan kuruluş (Funding institution)	Proje başlığı (Project title)	Projedeki görev/sorumluluk (örn. yürütücü, araştırmacı vb.) (Position/responsibility in the project, e.g. principal investigator, researcher, etc.)	Tarihleri (Dates)
1.	Tübitak 2247 Ulusal Lider Araştırmacılar Programı	Sumo modifikasyonunun protein ektobölge kesimi ve Adam17 aktivitesi üzerine etkisinin araştırılması	Yürütücü	2022-2025
2.	Tübitak / Fransa Bilateral Bosphorus Proje	SUMO'nun NEK1'e bağlı amiyotrofik lateral skleroz (ALS) patogenezi ve potansiyel bir tedavideki rolü	Yürütücü	2020-2022
3.	Gilead, Inc.	HIV1 integraz enzimini farmakolojik yollarla yıkıma uğratmak mümkün mü?	Yürütücü	2016-2017-2019
4.	EMBO (European Molecular Biology Organization) Installation Grant	A novel therapeutic strategy to combat disease: PML nuclear bodies enforce protein hyper-sumoylation, ubiquitination and degradation. Implications for Amyotrophic Lateral Sclerosis pathogenesis and treatment.	Yürütücü	2016-2021
5.	Fondation Recherche Medicale	Investigation of the therapeutic mechanism of a combination therapy for Adult T-cell lymphoma	Araştırmacı	2010-2012

7. YAYIN SAYILARI (NUMBER OF PUBLICATIONS)

Uluslararası hakemli dergilerde yayımlanan makaleler (Publications in refereed international journals)		Adayın kendi doktora tezinden kaynaklanan yayınlar (Publications based on the applicant's PhD dissertation)	Adayın kendi doktora tezi kapsamı dışındaki yayınları (Publications independent of the applicant's PhD dissertation)	Adayın yönettiği lisansüstü tezlerden kaynaklanan yayınları (Publications based on graduate theses supervised by the applicant)
	Index			
	SCI-E/SSCI/AHCI	4	10	4
	ESCI			
	Scopus Diğer endeksler (Other indexes)			
Kitaplar (Books)		Uluslararası (International publishers)		
		Ulusal (National publishers)		
Kitap bölümleri (Book chapters)		Uluslararası (International publishers)		

	Ulusal (<i>National publishers</i>)	
Kitap editörlükleri (<i>Edited books</i>)	Uluslararası (<i>International publishers</i>)	
	Ulusal (<i>National publishers</i>)	

- 8. ATIFLAR (CITATIONS)** Web of Science ve Google Scholar atıf sonuçlarını bu tabloda sununuz.
(*Please present Web of Science and Google Scholar citation statistics*).

	Web of Science	Google Scholar
h-endeksi/ <i>h-index</i>	12	13
Kendine atıflar hariç atıf sayısı (<i>Number of citations, excluding self-citations</i>)	1458	
Toplam atıf sayısı (<i>Total number of citations</i>)	1487	2222

9. PATENTLER (PATENTS)

	Patent/buluş sahip(ler)i (Owner(s) of the patent/invention)	Patent/buluş başlığı (Title of invention/patent)	Patent numarası (Patent number)	Patent başvuru tarihi (Patent filing/application date)	Yayın yılı (Publication Year)	Patent Ofisi (Patent Office)
1.						
2.						
3.						

10. YÖNETİLEN TEZ SAYILARI (NUMBER OF THESES SUPERVISED)^b

	Yüksek Lisans (MA/MSc)	Doktora (PhD)	Kurum (Institution)
Tamamlanmış (Completed)	6		Boğaziçi Üniversitesi
Devam eden (Ongoing)	-	3	Boğaziçi Üniversitesi

11. ÖDÜLLER (AWARDS)^c

Ödülün adı (Award title)	Ödülü veren kuruluş (Awarding institution)	Ödül yılı (Award year)
Bilim Akademisi Genç Araştırmacı Ödülü	Bilim Akademisi	2016
Gilead Türkiye Destek Ödülü	Gilead, Inc	2016, 2017, 2019
EMBO Yerleştirme Ödülü	EMBO (European Molecular Biology Organization)	2016

12. YAYIN LİSTESİ (LIST OF PUBLICATIONS)^d

A. ULUSLARARASI HAKEMLİ DERGİLERDE YAYIMLANAN MAKALELER^e (PUBLICATIONS IN REFEREED INTERNATIONAL JOURNALS)

Aşağıdaki makalelerin tümü SCI endekslidir.

- **Sahin U** (2022) Umut Şahin : Sumoylation in health and disease. **Life Sci Alliance**. 5(6). **IF: 5.78, Q1**
- **Sahin U, de Thé H, Lallemand-Breitenbach V** (2022) Sumoylation in Physiology, Pathology and Therapy. **Cells** 11(5) : 814 **IF: 7.66, Q1**
- **Mete B, Pekbilir E, Bilge BN, Georgiadou P, Celik E, Sutlu T, Tabak F, Sahin U** (2022) Human Immunodeficiency Virus Type 1 Impairs Sumoylation. **Life Sci Alliance**. 5(6). **IF: 5.78, Q1**
- **Ergünay T, Ayhan Ö, Celen AB, Georgiadou P, Pekbilir E, Abaci YT, Yesildag D, Rettel M, Sobhiahshar U, Ogmen A, Emre NCT, Sahin U** (2022) Sumoylation of Cas9 at Lysine 848 Regulates Protein Stability and DNA Binding. **Life Sci Alliance**. 5(4). **IF: 5.78, Q1**
- **Celen AB and Sahin U** (2020) Sumoylation on its 25th anniversary : mechanisms, pathology, and emerging concepts. **FEBS J**. 287(15):3110-3140. doi: 10.1111/febs.15319. **IF: 5.62, Q1**
- **Auvin S, Öztürk H, Abaci YT, Mautino G, Meyer-Losic F, Jollivet F, Bashir T, de Thé H, Sahin U** (2019) A molecule inducing androgen receptor degradation and selectively targeting prostate cancer cells. **Life Sci Alliance**. 2(4):e201800213. doi: 10.26508/lsa.201800213. **IF: 5.78, Q1**

- Marezky T, Swendeman S, Mogollon E, Weskamp G, **Sahin U**, Reiss K, Blobel CP (2017) Characterization of the catalytic properties of the membrane-anchored metalloprotease ADAM9 in cell-based assays. **Biochem J.** 474(9) : 1467-147 **IF: 4.09, Q1**
- **Sahin U**#, Jollivet F, Berthier C, de Thé H, Lallemand-Breitenbach V (2016) Detection of protein sumoylation in situ by proximity ligation assays. **Methods Mol Biol.** 1475 :139-150 **IF: 1.37, Q1**
(# corresponding author)
- El Hajj H, Dassouki Z, Berthier C, Raffoux E, Ades L, Legrand O, **Sahin U**, Tawil N, Salameh A, Zibara K, Darwiche N, Mohty M, Dombret H, Fenaux P, de Thé H, Bazarbachi (2015) Retinoic acid and arsenic trioxide degrade mutated NPM-1 initiating apoptosis of AML cells. **Blood.** 125(22) :3447-54 **IF: 25.4, Q1**
- Dassouki Z*, **Sahin U***#, El Hajj H, Jollivet F, Kfoury Y, Lallemand-Breitenbach V, Hermine O, Bazarbachi A, de Thé H (2015) Adult T-cell Lymphoma Response to Arsenic/Interferon Therapy is Triggered by SUMO/PML/RNF4-dependent Tax Degradation. **Blood.** 125(3) :474-82 (*co-first authors, # corresponding author) **IF: 25.4, Q1**
- **Sahin U**, de Thé H, Lallemand-Breitenbach V (2014) PML Nuclear Bodies : Assembly and Oxidative Stress-sensitive Sumoylation. **Nucleus.** 5(6) : 499-507 **IF: 3.45, Q1**
- **Sahin U**, Lallemand-Breitenbach V, de Thé H (2014) PML Nuclear Bodies : Regulation, Function and Therapeutic Perspectives. **J Pathol.** 234(3) : 289-91 **IF: 7.99, Q1**
- **Sahin U**#, Lapaquette P, Andrieux A, Faure G, Dejean A (2014) Sumoylation of Human Argonaute-2 at Lysine 402 Regulates its Stability. **PLoS One.** 9(7) : e102957 doi : 10.1371/journal.pone.0102957 (# corresponding author) **IF: 3.75, Q1**
- **Sahin U**, Ferhi O, Carnec X, Zamborlini A, Peres L, Jollivet F, Vitaliano-Prunier A, de Thé H, Lallemand-Breitenbach V (2014) Interferon Controls SUMO Availability via the Lin28 and let-7 Axis to Impede Virus Replication. **Nat Commun.** 5 : 4187 doi : 10.1038/ncomms5187 **IF: 17.7, Q1**
- **Sahin U**, Ferhi O, Jeanne M, Benhenda S, Berthier C, Jollivet F, Niwa-Kawakita M, Faklaris O, Setterblad N, de Thé H, Lallemand-Breitenbach V (2014) Oxidative Stress-induced Assembly of PML Nuclear Bodies Controls Sumoylation of Partner Proteins. **J Cell Biol.** 204(6) : 931-45 **IF: 10.5, Q1**
- **Sahin U**, Blobel CP (2007) Ectodomain Shedding of the EGF-receptor Ligand Epigen is Mediated by ADAM17. **FEBS Lett.** 581(1) : 41-4 **IF: 4.12, Q1**
- **Sahin U**, Weskamp G, Zheng Y, Chesneau V, Horiuchi K, Blobel CP (2006) A Sensitive Method to Monitor Ectodomain Shedding of Ligands of the Epidermal Growth Factor Receptor. **Methods Mol Biol.** 327 : 99-113 **IF: 1.37, Q1**
- **Sahin U**, Weskamp G, Kelly K, Zhou HM, Higashiyama S, Peschon J, Hartmann D, Saftig P, Blobel CP (2004) Distinct Roles for ADAM10 and ADAM17 in Ectodomain Shedding of Six EGFR Ligands. **J Cell Biol.** 164(5) : 769-79 **IF: 10.5, Q1**
- Zhou HM, Weskamp G, Chesneau V, **Sahin U**, Vortkamp A, Horiuchi K, Chiusaroli R, Hahn R, Wilkes D, Fisher P, Baron R, Manova K, Basson CT, Hempstead B, Blobel CP (2004) Essential Role for ADAM19 in Cardiovascular Morphogenesis. **Mol Cell Biol.** 24(1) : 96-104 **IF: 4.27, Q1**

13. YÖNETİLEN TEZLERİN LİSTESİ (LIST OF THESES SUPERVISED)

- 1) *Identification of the major sumoylation site on crispr cas9 protein (Duygu Yeşildağ, BÜ Yüksek Lisans Öğrencisi) (2019)*
- 2) *A novel posttranslational modification on the central CRISPR enzyme: discovery of Cas9 ubiquitylatin (Arda Baran Çelen, BÜ Yüksek Lisans Öğrencisi) (2019)*
- 3) *Investigation of the pathogenic basis of NEK1-linked amyotrophic lateral sclerosis and discovery of a potential treatment that prevents protein aggregation through targeted destruction (Harun Öztürk, BÜ Yüksek Lisans Öğrencisi) (2019)*
- 4) *The assessment of ubiquitin E3 ligase activity of RNF4 on ALS-related NEK1 protein (Sezgi Canaslan, BÜ Yüksek Lisans Öğrencisi) (2019)*
- 5) *Investigation of the effects of SUMO modification on two critical proteins: a pathogenic NEK1 mutant that drives ALS pathogenesis and the CRISPR-associated Cas9 protein (Tunahan Ergünay, BÜ Yüksek Lisans Öğrencisi) (2022)*
- 6) *Investigation of the impact of Human Immunodeficiency Virus on cellular sumoylation (Emre Pekbilir, BÜ Yüksel Lisans Öğrencisi, 2022)*

14. SON ÜÇ YILDAKİ KONFERANS SUNULARI (CONFERENCE PRESENTATIONS IN THE LAST THREE YEARS)

2019 – 19th EMBO Young Investigator Meeting, Singapore

2021 – 20th EMBO Young Investigator Meeting, Online (Title: The drug-tunable tumor suppressor PML protects from neurodegeneration in ALS in vivo)

15. İDARİ GÖREVLERİ (ADMINISTRATIVE POSITIONS)

	Kurum (<i>Institution</i>)	Fakülte/Bölüm Adı <i>Faculty/Department</i>	Görev (<i>Administrative position</i>)	Tarihler (<i>Dates</i>)
1.	Boğaziçi Üniversitesi	Moleküler Biyoloji ve Genetik Bölümü, FEF	Bölüm başkan yardımcısı	Nisan 2020-devam etmekte
2.	Boğaziçi Üniversitesi	Araştırma Politikaları Komisyonu	Üye	2018-devam etmekte
3.				

16. SON BEŞ YILDA VERİLEN LİSANS VE LİSANSÜSTÜ DERSLER (UNDERGRADUATE AND GRADUATE COURSES TAUGHT IN THE LAST 5 YEARS)

Dersin verildiği kurum (<i>Institution</i>)	Dersin kodu (<i>Course code</i>)	Dersin adı (<i>Course title</i>)	Yılı ve dönemi (<i>Year and semester</i>)	Fakülte/YO/Enst. yüzdelerik sıra (<i>Faculty/School/Institute Percentile Rank</i>)
BÜ	Bio 302	Biochemistry 2	2022 Bahar	
BÜ	Bio 308	Seminar 1	2022 Bahar	
BÜ	Bio 492	Special Projects 2	2022 Bahar	
BÜ	Bio 331	Techniques in Biological Research	2021 Güz	
BÜ	Bio 333	Biochemistry Laboratory	2021 Güz	
BÜ	Bio 491	Special Projects 1	2021 Güz	
BÜ	Bio 302	Biochemistry 2	2021 Bahar	
BÜ	Bio 308	Seminar 1	2021 Bahar	
BÜ	Bio 492	Special Projects 2	2021 Bahar	
BÜ	Bio 331	Techniques in Biological Research	2020 Güz	
BÜ	Bio 333	Biochemistry Laboratory	2020 Güz	
BÜ	Bio 491	Special Projects 1	2020 Güz	
BÜ	Bio 302	Biochemistry 2	2020 Bahar	
BÜ	Bio 492	Special Projects 2	2020 Bahar	
BÜ	Bio 331	Techniques in Biological Research	2019 Güz	
BÜ	Bio 333	Biochemistry Laboratory	2019 Güz	
BÜ	Bio 491	Special Projects 1	2019 Güz	
BÜ	Bio 322	Research Topics in Molecular Biology	2019 Bahar	
BÜ	Bio 302	Biochemistry 2	2019 Bahar	
BÜ	Bio 700	Graduate Seminar	2019 Bahar	
BÜ	Bio 492	Special Projects 2	2019 Bahar	
BÜ	Bio 331	Techniques in Biological Research	2018 Güz	
BÜ	Bio 333	Biochemistry Laboratory	2018 Güz	
BÜ	Bio 570	Graduate Seminar	2018 Güz	
BÜ	Bio 491	Special Projects 1	2018 Güz	

BÜ	Bio 302	Biochemistry 2	2018 Bahar	
BÜ	Bio 593	Special Topics: Protein Biochemistry	2018 Bahar	
BÜ	Bio 700	Graduate Seminar	2018 Bahar	
BÜ	Bio 492	Special Projects 2	2018 Bahar	