

## Prof. AYŞE ELİF ERSON BENSAN

### Personal Information

**Office Phone:** [+90 312 210 5043](tel:+903122105043)

**Fax Phone:** [+90 312 210 7976](tel:+903122107976)

**Email:** [erson@metu.edu.tr](mailto:erson@metu.edu.tr)

**Web:** <https://bclab-bio.metu.edu.tr/>

**Address:** ODTÜ Biyolojik Bilimler Bölümü

### International Researcher IDs

ScholarID: SHW15nIAAAAJ

ORCID: 0000-0001-7398-9313

Publons / Web Of Science ResearcherID: L-7229-2018

ScopusID: 36625206800

Yoksis Researcher ID: 119176

### Education Information

Doctorate, University of Michigan, Human Genetics, United States Of America 2001 - 2004

Postgraduate, University of Michigan, Human Genetics, United States Of America 1998 - 2001

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1993 - 1997

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, The G2/M Checkpoint and Ubiquitination; Implications for Breast Tumorigenesis, University Of Michigan, Human Genetics, 2004

### Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2018 - Continues

### Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology,

2020 - Continues

Performans Değerlendirme Komisyonu Üyesi, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2020 - Continues

Faculty Board Member, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 2021 - 2024

Department Academic Incentive Evaluation Commission Member, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 2020 - 2023

Deputy Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2012 - 2014

## Courses

Molecular Biology of the Cell, Undergraduate, 2018 - 2019

Introduction to Genetics, Undergraduate, 2018 - 2019

## Advising Theses

ERSON BENSAN A. E., An oncogenic isoform switch leads to hnrnpa1 overexpression in triple negative breast cancer, Doctorate, M.ERDEM(Student), 2022

ERSON BENSAN A. E., Optimization of a translating ribosomal affinity purification method, Postgraduate, I.GÜRÇÜOĞLU(Student), 2021

ERSON BENSAN A. E., Sorting nexin 3 (SNX3) is an immediate and sustained target of EFG stimulation in EGFR positive breast cells, Doctorate, E.ÇİÇEK(Student), 2021

Erson Bensan A. E., Characterization of sorting nexin 3 (SNX3) function, Doctorate, M.ÖYKEN(Student), 2020

Erson Bensan A. E., An effort to identify novel proteins in alternative polyadenylation, Doctorate, M.ÇİÇEK(Student), 2020

ERSON BENSAN A. E., Investigation of SNX3 in colon cancer, Postgraduate, H.ÇİNGÖZ(Student), 2019

ERSON BENSAN A. E., BANERJEE S., Alternative polyadenylation in a differentiation model: Caco-2, Postgraduate, O.BEĞİK(Student), 2017

ERSON BENSAN A. E., Investigating molecular mechanisms of TRAF7 mutations identified by genome-wide analysis, Postgraduate, B.GÜLEZ(Student), 2017

ERSON BENSAN A. E., Dynamic alternative polyadenylation (APA) events in mammary gland development, Postgraduate, G.TUNCCEL(Student), 2016

ERSON BENSAN A. E., Investigating possible involvement of miR-125b in the E2, NF- $\kappa$ B network, Postgraduate, E.YAVUZ(Student), 2015

ERSON BENSAN A. E., Characterization of molecular-level changes due to MicroRNA-125b expression in breast cancer cells by spectroscopic and chemometric analysis techniques, Doctorate, N.ŞİMŞEK(Student), 2015

CAN T., ERSON BENSAN A. E., Alternative polyadenylation dependent 3'-UTR changes in triple negative breast cancers, Doctorate, T.TUNCER(Student), 2015

ERSON BENSAN A. E., Alternative polyadenylation analysis in myelodysplastic syndromes, glioblastoma and gastric cancer, Postgraduate, T.ÇINKILLI(Student), 2015

ERSON BENSAN A. E., Identification of abiotic stress related mirnas in thellungiella halophila ecotypes, Doctorate, F.AYSİN(Student), 2015

ERSON BENSAN A. E., 3'UTR alterations in connection with estrogen receptor-alpha in breast cancer, Postgraduate, M.ÖYKEN(Student), 2014

ERSON BENSAN A. E., ARID3B expression in primary breast cancer samples, Postgraduate, A.SELCEN(Student), 2014

ERSON BENSAN A. E., Expression of ARID3B in breast cancer cell lines, Postgraduate, N.ÖZDEMİRLER(Student), 2014

ERSON BENSAN A. E., Characterization and promoter identification of metastasis associated protein 1 in human colorectal carcinoma cell lines, Doctorate, S.Tunçay(Student), 2014

ERSON BENSAN A. E., Phenotypical characterization of microRNA-106b overexpression in MCF10A breast cell line, Postgraduate, C.SAYGILI(Student), 2013

ERSON BENSAN A. E., Estrogen-induced upregulation and 3'-UTR shortening of CDC6, Doctorate, H.BEGÜM(Student), 2013

ERSON BENSAN A. E., Functional characterization of two potential breast cancer related genes, Doctorate, S.AKHAVANTABASI(Student), 2012

ERSON BENSAN A. E., Functional and biochemical analysis of a novel deubiquitinating enzyme, USP32, Doctorate, A.SAPMAZ(Student), 2012

ERSON BENSAN A. E., Functional characterization of MicroRNA-125b expression in MCF7 breast cancer cell line, Postgraduate, S.TUNA(Student), 2010

ERSON BENSAN A. E., Structural analysis of a 50 KB region on 17q23, Postgraduate, H.BEGÜM(Student), 2007

ERSON BENSAN A. E., Transcription pattern comparison of two ubiquitin specific proteases (USP6 and USP32), Postgraduate, S.AKHAVAN(Student), 2007

ERSON BENSAN A. E., Investigation of microRNAs on genomic instability regions in breast cancer, Postgraduate, Ş.DUYGU(Student), 2007

ÖKTEM H. A., ERSON BENSAN A. E., Transformation of Nicotiana tabacum plants with Na<sup>+</sup>/H<sup>+</sup> antiporter (AtNHX1) gene isolated from Arabidopsis thaliana for evaluation of salt tolerance, Postgraduate, F.AYSİN(Student), 2007

## Jury Memberships

Committee Of Expert, Committee Of Expert, November, 2021

Post Graduate, Post Graduate, İhsan Doğramacı Bilkent Üniversitesi, December, 2020

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, March, 2019

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2018

## Designed Lessons

Erson Bensan A. E., Molecular Biology of Cancer, Undergraduate, 2018 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An alternatively spliced PD-L1 isoform PD-L1Δ3, and PD-L2 expression in breast cancers: implications for eligibility scoring and immunotherapy response**  
DÖKEN D. N., ÖZGÜL İ., Yilmazbilek I., Yakicier M. C., KARACA EREK E., ERSON BENSAN A. E.  
Cancer Immunology, Immunotherapy, vol.72, no.12, pp.4065-4075, 2023 (SCI-Expanded)
- II. **Versatile RNA: overlooked gems of the transcriptome**  
ERDEM M., Cicek M., ERSON BENSAN A. E.  
FEBS Journal, vol.290, no.20, pp.4843-4851, 2023 (SCI-Expanded)
- III. **Differential expression of mRNA 3'-end isoforms in cervical and ovarian cancers**  
Döken D. N., Özgül İ., Köksal Bıçakçı G., Gol K., Can T., Erson Bensan A. E.  
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- IV. **Assessment of silicon, glass, FR4, PDMS and PMMA as a chip material for acoustic particle/cell manipulation in microfluidics**  
Açıkgöz H. N., KARAMAN A., Şahin M. A., Çaylan Ö. R., Büke G. C., YILDIRIM E., Eroğlu İ. C., ERSON BENSAN A. E., Çetin B., ÖZER M. B.  
Ultrasonics, vol.129, 2023 (SCI-Expanded)
- V. **Differential translation of mRNA isoforms underlies oncogenic activation of cell cycle kinase Aurora A**

Cacioppo R, Akman H. B., Tuncer T., ERSON BENSAN A. E., Lindon C.

eLife, vol.12, 2023 (SCI-Expanded)

- VI. **A C-term truncated EIF2By protein encoded by an intronically polyadenylated isoform introduces unfavorable EIF2By-EIF2γ interactions.**  
Circir A, Bicakci G. K., Savas B., Doken D. N., Henden O., Can T., Karaca E., Erson-Bensan A. E.  
Proteins, vol.90, no.3, pp.889-897, 2022 (SCI-Expanded)
- VII. **EGF-SNX3-EGFR axis drives tumor progression and metastasis in triple-negative breast cancers**  
Cicek E, Circir A, Oyken M., Akbulut Caliskan O., Dioken D. N., Guntekin Ergun S., Cetin-Atalay R., Sapmaz A., Ovaa H., Sahin O., et al.  
Oncogene, vol.41, no.2, pp.220-232, 2022 (SCI-Expanded)
- VIII. **Identification of an mRNA isoform switch for HNRNPA1 in breast cancers**  
Erdem M., Ozgul İ., Dioken D. N., Gurcuoglu I., Guntekin Ergun S., Cetin-Atalay R., Can T., Erson-Bensan A. E.  
Scientific Reports, vol.11, no.1, 2021 (SCI-Expanded)
- IX. **Could MicroRNAs Be Useful Tools to Improve the Diagnosis and Treatment of Rare Gynecological Cancers? A Brief Overview.**  
Di Fiore R., Suleiman S., Pentimalli F., O'toole S. A., O'leary J. J., Ward M. P., Conlon N. T., Sabol M., Ozretić P., ERSON BENSAN A. E., et al.  
International journal of molecular sciences, vol.22, no.8, 2021 (SCI-Expanded)
- X. **RNA-biology ruling cancer progression? Focus on 3 ' UTRs and splicing**  
Erson-Bensan A. E.  
CANCER AND METASTASIS REVIEWS, vol.39, no.3, pp.887-901, 2020 (SCI-Expanded)
- XI. **USP32 regulates late endosomal transport and recycling through deubiquitylation of Rab7**  
Sapmaz A., Berlin I., Bos E., Wijdeven R. H., Janssen H., Konietzny R., Akkermans J. J., Erson-Bensan A. E., Koning R., Kessler B. M., et al.  
NATURE COMMUNICATIONS, vol.10, 2019 (SCI-Expanded)
- XII. **Alternative Polyadenylation Patterns for Novel Gene Discovery and Classification in Cancer**  
BEGIK O., ÖYKEN M., ALICAN T. C., CAN T., Erson-Bensan A. E.  
NEOPLASIA, vol.19, no.7, pp.574-582, 2017 (SCI-Expanded)
- XIII. **Alternative polyadenylation and RNA-binding proteins**  
Erson-Bensan A. E.  
JOURNAL OF MOLECULAR ENDOCRINOLOGY, vol.57, no.2, 2016 (SCI-Expanded)
- XIV. **Alternative Polyadenylation: Another Foe in Cancer**  
Erson-Bensan A. E., CAN T.  
MOLECULAR CANCER RESEARCH, vol.14, no.6, pp.507-517, 2016 (SCI-Expanded)
- XV. **Mechanisms of mRNA polyadenylation**  
Agus H. H., ERSON BENSAN A. E.  
TURKISH JOURNAL OF BIOLOGY, vol.40, no.3, pp.529-538, 2016 (SCI-Expanded)
- XVI. **3 ' UTR shortening and EGF signaling: implications for breast cancer**  
AKMAN H. B., ÖYKEN M., TUNCER T., CAN T., Erson-Bensan A. E.  
HUMAN MOLECULAR GENETICS, vol.24, no.24, pp.6910-6920, 2015 (SCI-Expanded)
- XVII. **ALCAM is indirectly modulated by miR-125b in MCF7 cells**  
AKMAN H. B., SELCUKLU S. D., DONOGHUE M. T. A., AKHAVANTABASI S., SAPMAZ A., SPILLANE C., Yakicier M. C., Erson-Bensan A. E.  
TUMOR BIOLOGY, vol.36, no.5, pp.3511-3520, 2015 (SCI-Expanded)
- XVIII. **ARID3B expression in primary breast cancers and breast cancer-derived cell lines**  
ERDOGAN A. S. O., OZDEMIRLER N., ÖYKEN M., ALPER M., Erson-Bensan A. E.  
CELLULAR ONCOLOGY, vol.37, no.4, pp.289-296, 2014 (SCI-Expanded)
- XIX. **Noncoding RNAs and cancer**  
Akman H. B., ERSON BENSAN A. E.  
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, pp.817-828, 2014 (SCI-Expanded)
- XX. **Introduction to microRNAs in biological systems**

ERSON BENSAN A. E.

Methods, 2014 (SCI-Expanded)

- XXI. **Estrogen-induced upregulation and 3'-UTR shortening of CDC6**  
AKMAN B. H., CAN T., Erson-Bensan A. E.  
NUCLEIC ACIDS RESEARCH, vol.40, no.21, pp.10679-10688, 2012 (SCI-Expanded)
- XXII. **A sandwich hybridization base miRNA detection chip**  
Oktem H. A., Berkman C. C., Atilgan S., ERSON BENSAN A. E.  
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XXIII. **Matrix metalloprotease 16 expression is downregulated by microRNA-146a in spontaneously differentiating Caco-2 cells**  
ASTARCI E., ERSON BENSAN A. E., BANERJEE S.  
DEVELOPMENT GROWTH & DIFFERENTIATION, vol.54, no.2, pp.216-226, 2012 (SCI-Expanded)
- XXIV. **miR-125b Targets ARID3B in Breast Cancer Cells**  
AKHAVANTABASI S., SAPMAZ A., TUNA S., Erson-Bensan A. E.  
CELL STRUCTURE AND FUNCTION, vol.37, no.1, pp.27-38, 2012 (SCI-Expanded)
- XXV. **Connections between CHFR, the cell cycle and chemosensitivity Are they critical in cancer?**  
Keller J. A., Erson-Bensan A. E., Petty E. M.  
CANCER BIOLOGY & THERAPY, vol.10, no.9, pp.946-948, 2010 (SCI-Expanded)
- XXVI. **USP32 is an active, membrane-bound ubiquitin protease overexpressed in breast cancers**  
AKHAVANTABASI S., AKMAN H. B., SAPMAZ A., Keller J., Petty E. M., Erson A. E.  
MAMMALIAN GENOME, vol.21, pp.388-397, 2010 (SCI-Expanded)
- XXVII. **Characterization of microRNA-125b expression in MCF7 breast cancer cells by ATR-FTIR spectroscopy**  
OZEK N. S., TUNA S., Erson-Bensan A. E., Severcan F.  
ANALYST, vol.135, no.12, pp.3094-3102, 2010 (SCI-Expanded)
- XXVIII. **miRNAs and cancer New research developments and potential clinical applications**  
Erson A. E., Petty E. M.  
CANCER BIOLOGY & THERAPY, vol.8, no.24, pp.2317-2322, 2009 (SCI-Expanded)
- XXIX. **miRNAs and cancer: New research developments and potential clinical applications.**  
Erson A. E., Petty E.  
Cancer biology & therapy, vol.8, pp.2317-22, 2009 (SCI-Expanded)
- XXX. **An investigation of microRNAs mapping to breast cancer related genomic gain and loss regions**  
Selcuklu S. D., Yakicier M. C., Erson A. E.  
CANCER GENETICS AND CYTOGENETICS, vol.189, no.1, pp.15-23, 2009 (SCI-Expanded)
- XXXI. **MicroRNAs show a wide diversity of expression profiles in the developing and mature central nervous system**  
Erson A. E., Petty E. M.  
CLINICAL GENETICS, vol.74, no.4, pp.296-306, 2008 (SCI-Expanded)
- XXXII. **A parylene-based dual channel micro-electrophoresis system for rapid mutation detection via heteroduplex analysis**  
SUKAS S., Erson A. E., SERT C., KÜLAH H.  
ELECTROPHORESIS, vol.29, no.18, pp.3752-3758, 2008 (SCI-Expanded)
- XXXIII. **Overexpressed Ubiquitin Specific Proteases: Implications in the pathogenesis of breast cancer**  
Erson A. E., PETTY E. M.  
CANCER RESEARCH, vol.66, no.8, 2006 (SCI-Expanded)
- XXXIV. **CHFR-associated early G(2)/M checkpoint defects in breast cancer cells**  
Erson A. E., PETTY E.  
MOLECULAR CARCINOGENESIS, vol.39, no.1, pp.26-33, 2004 (SCI-Expanded)
- XXXV. **Overexpressed genes/ESTs and characterization of distinct amplicons on 17q23 in breast cancer cells**  
Erson A. E., NIELL B., DEMERS S., ROUILLARD J., HANASH S., PETTY E.

- NEOPLASIA, vol.3, no.6, pp.521-526, 2001 (SCI-Expanded)
- XXXVI. **Overexpressed genes/ESTs and characterization of distinct amplicons on 17q23 in breast cancer cells.**  
Erson A. E., Niell B., DeMers S., Rouillard J., Hanash S., Petty E.  
Neoplasia (New York, N.Y.), vol.3, pp.521-6, 2001 (SCI-Expanded)
- XXXVII. **Mutations in the Wolfram syndrome 1 gene (WFS1) are a common cause of low frequency sensorineural hearing loss**  
BESPALOVA I., VAN CAMP G., BOM S., BROWN D., CRYNS K., DEWAN A., Erson A. E., FLOTHMANN K., KUNST H., KURNOOL P., et al.  
HUMAN MOLECULAR GENETICS, vol.10, no.22, pp.2501-2508, 2001 (SCI-Expanded)
- XXXVIII. **Mutations in the Wolfram syndrome 1 gene (WFS1) are a common cause of low frequency sensorineural hearing loss.**  
Bespalova I., Van Camp G., Bom S., Brown D., Cryns K., DeWan A., Erson A. E., Flothmann K., Kunst H., Kurnool P., et al.  
AMERICAN JOURNAL OF HUMAN GENETICS, vol.69, no.4, pp.230, 2001 (SCI-Expanded)
- XXXIX. **Amplification and overexpression of multiple 17q genes in breast cancer.**  
Erson A. E., NIELL B., PETTY E.  
AMERICAN JOURNAL OF HUMAN GENETICS, vol.69, no.4, pp.270, 2001 (SCI-Expanded)
- XL. **Virtual genome scan: a tool for restriction landmark-based scanning of the human genome.**  
Rouillard J., Erson A. E., Kuick R., Asakawa J., Wimmer K., Muleris M., Petty E., Hanash S.  
Genome research, vol.11, pp.1453-9, 2001 (SCI-Expanded)

## **Books & Book Chapters**

- I. **MİKRORNALAR VE KANSER**  
Öyken M., Çırçır Hatıl A., Çiçek E., Erson Bensan A. E.  
in: KANSER MOLEKÜLER BİYOLOJİSİ 2. BASKI, YUSUF BARAN, Editor, HİPOKRAT YAYINCILIK, Ankara, pp.197-204, 2021
- II. **Kanserde mikroRNA'lar**  
ÖYKEN M., ERSON BENSAN A. E.  
in: Moleküler Kanser Biyolojisi, Baran Y , Editor, Kısayol Yayıncılık, İstanbul, pp.197-208, 2018
- III. **Kanserde mikroRNA'xlar**  
ÖYKEN M., ERSON BENSAN A. E.  
in: Kanser Moleküler Biyolojisi, Yusuf Baran, Editor, Kısayol yayıncılık, pp.197-208, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Alternatif poliadenilasyon, mRNA izoformları ve kanser**  
ERSON BENSAN A. E.  
31. Ulusal Biyokimya Kongresi, Turkey, 18 - 20 December 2020
- II. **Transkriptomun 3' Sonu**  
ERSON BENSAN A. E.  
13. Ulusal Tıbbi Genetik Kongresi, Antalya, Turkey, 7 - 11 November 2018
- III. **Investigation of a Potential APA Regulated Gene in Cancer**  
Erson Bensan A. E., Öyken M.  
International Congress for Mol. Biol Association of Turkey, İzmir, Turkey, 5 - 08 September 2018, pp.60
- IV. **WLS Expression in ER+ Breast Cancers**  
Erson Bensan A. E., Çırçır Hatıl A.  
International Congress of the Mol. Biology Association of Turkey, İzmir, Turkey, 5 - 08 September 2018, pp.72

- V. **Transcription Elongation in Connection to 3'UTR Ends**  
ÖZGÜL İ., CAN T., ERSON BENSAN A. E.  
Moleküler Biyoloji Kongresi MolBiyoKON18, İzmir, Turkey, 5 - 08 September 2018, pp.20
- VI. **Deciphering the Cancer Transcriptome through 3'xxUTRs**  
ERSON BENSAN A. E.  
Moleküler Biyoloji Kongresi (MolBiyoKon18), İzmir, Turkey, 5 - 08 September 2018, pp.19
- VII. **Deregulated APA and cancer specific APA isoforms**  
Begik O., Ercan M., Cingoz H., CAN T., ÖYKEN M., Erson-Bensan A. E.  
Annual Meeting of the American-Association-for-Cancer-Research (AACR), Illinois, United States Of America, 14 - 18 April 2018, vol.78
- VIII. **Alternative Polyadenylation patterns for cancer classification**  
BEGİK O., ÖYKEN M., ÇINKILLI t., CAN T., ERSON BENSAN A. E.  
HIBIT 2017, 28 - 30 June 2017
- IX. **Resolving the complexity of the cancer transcriptome through 3' UTRs**  
ERSON BENSAN A. E.  
HIBIT 2017, 28 - 30 June 2017
- X. **Alternative Polyadenylation patterns for novel gene discovery and classification in cancer**  
BEĞİK O., ÖYKEN M., CAN T., ERSON BENSAN A. E.  
Annual Meeting of the RNA Society, 30 May - 03 June 2017
- XI. **APA isoform diversity in triple negative breast cancers**  
AKMAN TUNCER H. B., ÖYKEN M., AĞUŞ H. H., ERDEM M., YAVUZ E., CAN T., ERSON BENSAN A. E.  
AACR Annual Meeting, USA, Washington, United States Of America, 1 - 05 April 2017, vol.77, pp.3374
- XII. **Identification of a potential cancer related lncRNA**  
BEĞİK O., cinkilli t., ÖYKEN M., CAN T., ERSON BENSAN A. E.  
Functional Genomics to Systems Biology-EMBO, 12 - 15 November 2016
- XIII. **3 UTR Length Changes In Connection With Estrogen Receptor Alpha In Breast Cancer**  
ÖYKEN M., CAN T., ERSON BENSAN A. E.  
FEBS 2016, KUSADASI, Turkey, 3 - 08 September 2016
- XIV. **3 ' UTR lengths change in connection with estrogen receptor-alpha in breast cancer**  
ÖYKEN M., CAN T., Erson-Bensan A. E.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.207
- XV. **Characterization of a ubiquitin specific protease in the 17q23 amplicon**  
TUNCER H. B. A., SAPMAZ A., AKHAVANTABASI S., Erson A. E.  
21st Meeting of the European-Association-for-Cancer-Research, Oslo, Norway, 26 - 29 June 2010, vol.8, pp.172

## Supported Projects

ERSON BENSAN A. E., YILMAZ U. C., Project Supported by Higher Education Institutions, FCMR Genindeki Alternatif İzoformlarını Tayini, 2022 - 2022

ERSON BENSAN A. E., ÖZGÜL İ., Project Supported by Higher Education Institutions, Mir21 Sensor Geliştirilmesi, 2021 - 2022

ERSON BENSAN A. E., ERDEM M., Project Supported by Higher Education Institutions, MEME BEZİ GELİŞİMİNDE HNRNPA 1 MRNA'SINDAKİ ALTERNATİF POLİADENİLASYON OLAYININ İNCELENMESİ, 2018 - 2019

ERSON BENSAN A. E., GÜLEZ B., BANERJEE S., ÖZKAN S., CAN T., Project Supported by Higher Education Institutions, Yaygın kanser tiplerinde transkriptom 3'UTR isoform çeşitliliğinin incelenmesi, 2017 - 2019

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, TRİPL NEGATİF MEME KANSERLERİNDE ALTERNATİF POLİADENİLASYONUN İNCELENMESİ, 2017 - 2017

BANERJEE S., ERSON BENSAN A. E., BİRAND ÖZSOY A. C., MUYAN M., TERZİ ÇİZMECİOĞLU N., Project Supported by Higher Education Institutions, Kolorektal kanser hücrelerinde Siklooksijenaz -2 (COX-2)'nin sodyum bütirat aracılı

transkripsiyon sonrası regülasyonu., 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, MEME KANSERLERİNDE WLS KAYBININ WNT YOLAĞI AKTİVASYONUNDAKİ ROLÜNÜN İNCELENMESİ, 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, BİR FARKLILAŞMA MODELİNDE ALTERNATİF POLİADENİLASYON:CACO-2 HÜCRELERİ, 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, SNX3 GENİNİN POLY A SİNYAL SEÇİMİ, 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, MEME BEZİ GELİŞİMİNDE HNRNPA 1 MRNA'SINDAKİ ALTERNATİF POLİADENİLASYON OLAYININ İNCELENMESİ, 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, PROLİFERASYON SİNYALLERİ İLE İNDÜKLENEN APA MEKANİZMASININ ARAŞTIRILMASI, 2017 - 2017

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, MEME KANSERİNDE WLS'İN AŞIRI İFADESİNİN FENOTİPİKAL KARAKTERİZASYONU, 2017 - 2017

MUYAN M., ERSON BENSAN A. E., Project Supported by Higher Education Institutions, CXXC5 Proteinin İşlevsel Özelliklerinin Tanımlanmasında Protein Partnerleri, 2016 - 2016

MUYAN M., ERSON BENSAN A. E., CAN T., Project Supported by Higher Education Institutions, Meme Kanseri Model Hücrelerinde Tüm Genom Düzeyinde RNA Ekspresyon Analizleri, 2015 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, Glioblastomalarda APA analizi, 2015 - 2015

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ERSON BENSAN A. E., ozdemir n., CAN T., Project Supported by Higher Education Institutions, CDC6 alternatif poliadenilasyonunun meme kanseri hücrelerinde incelenmesi, 2013 - 2015

BANERJEE S., ERSON BENSAN A. E., MUYAN M., Project Supported by Higher Education Institutions, Kolon kanserinde 15-lipoksijenaz-1 ve Nükleer Faktör kappa B (NF-kB)'nin MTA1 ifadesini değiştiren karşılıklı etkileşimi, 2014 - 2014

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ERSON BENSAN A. E., ÖYKEN M., Project Supported by Higher Education Institutions, miR-125a VE miR-125B'NİN MEME KANSERİNDE KALICI OLARAK SUSTURULMASI, 2013 - 2013

ERSON BENSAN A. E., OĞUZ ERDOĞAN A. S., Project Supported by Higher Education Institutions, ARID3B PROTEİN EKSPRESYONUNUN FARKLI MEME HÜCRE HATLARINDA İNCELENMESİ, 2013 - 2013

GÜNDÜZ U., ERSON BENSAN A. E., PARSİAN M., Project Supported by Higher Education Institutions, DENDRİMERİK MANYETİK NANOPARÇACIKLARA DOKSORUBİSİN BAĞLAYIP VE MCF-7 MEME KANSERİ HÜCRE HATTINA UYGULANMASI, 2013 - 2013

BANERJEE S., ERSON BENSAN A. E., MUYAN M., Project Supported by Higher Education Institutions, MikroRNA miR-106b nin ifadesinin artmasının meme kanseri üzerine olan etkisi, 2013 - 2013

ERSON BENSAN A. E., Project Supported by Higher Education Institutions, Mir-125 İnhibitörleri İle Fenotip Geri Dönüşümü İncelenmesi, 2012 - 2012



ERSON BENSAN A. E., Project Supported by Higher Education Institutions, Östrojene Bağlı Alternatif Polyadenilasyona Uğrayan Traskriptlerin Tespiti Ve İncelenmesi., 2010 - 2010

## Patent

ERSON BENSAN A. E., APADetect: Alternatif Poliadenilasyon Tespiti, Patent, CHAPTER A Human Needs, Standard Registration, 2016

## Activities in Scientific Journals

microRNA, Committee Member, 2016 - Continues

Journal of molecular endocrinology, Committee Member, 2016 - Continues

## Memberships / Tasks in Scientific Organizations

KAMAG GYK, Executive Board Member, 2024 - Continues, Turkey

Moleküler Biyoloji Derneği, Member, 2012 - Continues

EACR, Member, 2009 - Continues

AACR, Member, 2004 - Continues

## Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2024

Project Supported by Higher Education Institutions, University Supported Other Projects, Istanbul University, Turkey, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2023

BIOMARKERS, Journal Indexed in SCI-E, October 2023

Project Supported by Public Organizations in Other Countries, QNRF, Qatar, September 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, September 2023

ACTA PHARMACOLOGICA SINICA, Journal Indexed in SCI-E, April 2023

PEERJ, Journal Indexed in SCI-E, January 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2022

LABORATORY INVESTIGATION, SCI Journal, October 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, September 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2022

TUBITAK Project, 2214/A INTERNATIONAL PHD RESEARCH SCHOLARSHIP PROGRAM, Middle East Technical University, Turkey, March 2022

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey, March 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2021  
TURKISH JOURNAL OF BIOLOGY, National Scientific Refreed Journal, September 2021  
Bmc Cancer, SCI Journal, December 2020  
microRNA, Other Indexed Journal, November 2020  
Journal Of Endocrinology, SCI Journal, February 2020  
JOURNAL OF MOLECULAR ENDOCRINOLOGY, SCI Journal, June 2019  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, December 2018  
Civil Society Organizations of Other Countries Supported Project, QNRF, Qatar, September 2018  
JOURNAL OF MOLECULAR ENDOCRINOLOGY, SCI Journal, May 2018  
TUBITAK Project, 3001 - Initial R&D Projects Support Program, Middle East Technical University, Turkey, May 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TUBITAK, Turkey, March 2018  
ONCOGENE, SCI Journal, February 2018  
TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, January 2018

### **Scientific Research / Working Group Memberships**

Ca21154 - Translational Control In Cancer European Network (Translacore) , France,  
<https://www.cost.eu/actions/CA21154/#tabs+Name:Working%20Groups%20and%20Membership>, 2022 - 2026

### **Metrics**

Publication: 73  
Citation (WoS): 1125  
Citation (Scopus): 1497  
H-Index (WoS): 17  
H-Index (Scopus): 18

### **Congress and Symposium Activities**

3. Ulusal Proteom kongresi, Invited Speaker, İstanbul, Turkey, 2020  
6th International Congress of the Molecular Biology Association of Turkey, Invited Speaker, İzmir, Turkey, 2018  
7th International Congress of Molecular Biology Association of Turkey, Working Group, İzmir, Turkey, 2018  
AACR, Attendee, Illinois, United States Of America, 2018

### **Invited Talks**

TuPA International Proteomics Congress, Conference, TuPA Proteomics Association, Turkey, October 2023  
Alternative polyadenylation and 3'UTR isoform diversity, Conference, COST meeting, Portugal, March 2023

### **Awards**

Erson Bengan A. E., Proje Ödülü, Türk Kanser Araştırma Ve Savaş Kurumu Derneği', November 2019

## **Non Academic Experience**

METU

METU

University of Michigan

METU