

Lect. PhD NEVİN BELDER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAQ-2166-2021

ScopusID: 56156580200

Yoksis Researcher ID: 304943

Biography

Dr. Nevin Belder is a Research Associate Scientist at Ankara University Biotechnology Institute. Her major research interests include the discovery of new prognostic and diagnostic biomarkers and identifying the central molecular causes of cancer, especially colorectal cancer. Most of her work is in cancer genomics, transcriptomics, and bioinformatics, with the aim of developing predictors of therapeutic response and prognosis. She worked on various projects aimed at determining novel diagnostic and prognostic biomarkers for cancer, using data obtained from high-throughput genome, methylome, and transcriptome analyses during her Ph.D. Dr. Nevin also gained experience in the role of long noncoding RNAs responsible for tamoxifen resistance in ER α -positive breast cancer during her post-doc position.

Dr. Belder has been leading her own research group at Ankara University Biotechnology Institute, Systems Biotechnology Advanced Research Unit (SISBIOTEK), since 2022. The main focus of Belder's laboratory is elucidating the pathological mechanisms of tumor initiation and progression to identify novel treatment strategies, prognostic, and predictive biomarkers using systems biology approaches. Her research group is also interested in exploring cell-cell communications via exosomes and their functional role in cancer.

Education Information

Doctorate, Ankara University, Biyoteknoloji Enstitüsü, Temel Biyoteknoloji (Dr), Turkey 2007 - 2013

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2000 - 2004

Dissertations

Doctorate, Sporadik kolorektal kanser vakalarında genom ebadında kopya sayısı değişimlerinin ve transkriptom profilinin belirlenmesi ile kanserin gelişmesinde ve ilerlemesinde etken yeni genlerin tanımlanması, Ankara University, Biyoteknoloji Enstitüsü, Temel Biyoteknoloji (Dr), 2013

Postgraduate, Sıçanlarda İleri Glikasyon Son Ürünleri ile İndüklenen Kardiyovasküler Bozukluklar Üzerine Kısa Süreli

Rosiglitazon Tedavisinin Etkilerinin Moleküler Düzeyde İncelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), 2007

Research Areas

Medicine, Life Sciences, Bioinformatics, Molecular Biology and Genetics, Molecular Biology of Cancer, Health Sciences, Fundamental Medical Sciences, Natural Sciences

Academic Titles / Tasks

Lecturer, Ankara University, Biyoteknoloji Enstitüsü, Biyoteknoloji Anabilim Dalı, 2021 - Continues

Lecturer, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, 2019 - 2021

Courses

Extracellular vesicles: from biology to biomedical applications , Postgraduate, 2022 - 2023

Advising Theses

Özdağ Sevgili H., Belder N., DDIT4 Gen Ekspresyonunun Kolorektal Kanserde Prognostik ve Terapötik Öneminin Aydınlatılması, Postgraduate, F.GÜLCE(Student), 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Targeting LINC00152 activates cAMP/Ca²⁺/ferroptosis axis and overcomes tamoxifen resistance in ER plus breast cancer**
Saatci O., Alam R., Huynh-Dam K., Isik A., ÜNER M., BELDER N., Ersan P. G., Tokat U. M., Ulukan B., Cetin M., et al.
CELL DEATH & DISEASE, vol.15, no.6, 2024 (SCI-Expanded)
- II. **Transcriptome Analysis of Beta-Catenin-Related Genes in CD34+ Haematopoietic Stem and Progenitor Cells from Patients with AML**
Gunes B., Ozkan T., Gurel A. K., Dalkilic S., Belder N., Ozkeserli Z., Ozdag H., Beksac M., SAYINALP N., YAĞCI A. M., et al.
MEDITERRANEAN JOURNAL OF HEMATOLOGY AND INFECTIOUS DISEASES, vol.16, no.1, 2024 (SCI-Expanded)
- III. **Vesicular HMGB1 release from neurons stressed with spreading depolarization enables confined inflammatory signaling to astrocytes**
Kaya Z., Belder N., Sever-Bahcekapili M., Donmez-Demir B., Erdener Ş. E., Bozbeyoglu N., Bagci C., Eren-Kocak E., Yemisci M., Karatas H., et al.
JOURNAL OF NEUROINFLAMMATION, vol.20, no.1, 2023 (SCI-Expanded)
- IV. **Reduced folate carrier 1 is present in retinal microvessels and crucial for the inner blood retinal barrier integrity**
Gurler G., BELDER N., BEKER M. Ç., Sever-Bahcekapili M., Uruk G., Kilic E., YEMİŞÇİ ÖZKAN M.
Fluids and Barriers of the CNS, vol.20, no.1, 2023 (SCI-Expanded)
- V. **Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations**
Bagci C., SEVER BAHÇEKAPILI M., BELDER N., Bennett A. P. S., ERDENER Ş. E., DALKARA T.
NEUROPHOTONICS, vol.9, no.2, 2022 (SCI-Expanded)
- VI. **A Stemness and EMT Based Gene Expression Signature Identifies Phenotypic Plasticity and is A**

Predictive but Not Prognostic Biomarker for Breast Cancer

Akbar M. W., Isbilen M., BELDER N., Demirkol Canli S., Kucukkaraduman B., Turk C., ŞAHİN Ö., GÜRE A. O.
JOURNAL OF CANCER, vol.11, no.4, pp.949-961, 2020 (SCI-Expanded)

VII. Targeting breast cancer stem cells

Akbar M. W., Isbilen M., BELDER N., Demirkol S., Kucukkaraduman B., Sahin O., Gure A. O.
FEBS OPEN BIO, vol.9, pp.320-321, 2019 (SCI-Expanded)

VIII. Reactivation of cAMP Pathway by PDE4D Inhibition Represents a Novel Druggable Axis for Overcoming Tamoxifen Resistance in ER-positive Breast Cancer

Mishra R. R., BELDER N., Ansari S. A., Kayhan M., Bal H., Raza U., Ersan P. G., Tokat U. M., Eyupoglu E., Saatci O., et al.
CLINICAL CANCER RESEARCH, vol.24, no.8, pp.1987-2001, 2018 (SCI-Expanded)

IX. The effect of biological heterogeneity on R-CHOP treatment outcome in diffuse large B-cell lymphoma across five international regions

Carr R., ÖZDAĞ SEVGİLİ H., Tekin N., Morris T., Conget P., Bruna F., Timar B., Gagyi E., Basak R., Naik O., et al.
LEUKEMIA & LYMPHOMA, vol.58, no.5, pp.1178-1183, 2017 (SCI-Expanded)

X. Protocol for qRT-PCR analysis from formalin fixed paraffin embedded tissue sections from diffuse large b-cell lymphoma: Validation of the six-gene predictor score

Tekin N., Omidvar N., Morris T. P., Conget P., Bruna F., Timar B., Gagyi E., Basak R., Naik O., Auewarkul C., et al.
ONCOTARGET, vol.7, no.50, pp.83319-83329, 2016 (SCI-Expanded)

XI. From RNA isolation to microarray analysis: Comparison of methods in FFPE tissues.

BELDER N., Coskun Ö., DOĞANAY ERDOĞAN B., İLK DAĞ Ö., SAVAŞ B., ENSARİ A., ÖZDAĞ SEVGİLİ H.
Pathology, research and practice, vol.212, no.8, pp.678-85, 2016 (SCI-Expanded)

XII. A neonate with contiguous deletion syndrome in XP21

Sevim U., Fatma D., Ihsan E., Gulay C., Nevin B.
Journal of Pediatric Endocrinology and Metabolism, vol.24, no.11-12, pp.1095-1098, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. Prognostic implications of MXRA8 expression in colorectal cancer and its role in tumor progression

BELDER N.

Hacettepe Journal of Biology and Chemistry, vol.52, 2024 (Peer-Reviewed Journal)

II. Optimization of gene expression microarray protocol for formalin-fixed paraffin-embedded tissues.

BELDER N., Coskun Ö., DOĞANAY ERDOĞAN B., SAVAŞ B., ENSARİ A., ÖZDAĞ SEVGİLİ H.

Genomics data, vol.7, pp.303-6, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

I. Kanserin Tanı ve Tedavisi için Yeni Biyobelirteçlerin Keşfi

ÖZDAĞ H., Belder N.

in: Kanser Moleküler Biyolojisi, Yusuf Baran, Editor, Kısayol, Ankara, pp.331-342, 2018

Supported Projects

Belder N., Eren Koçak E., Karataş Kurşun H., Yemişçi Özkan M., Dalkara T., TUBITAK Project, Migren Baş Ağrısına Yol Açan Nöroinflamasyonun Çözülme ve Sonlanma Mekanizmaları, 2018 - 2021

Activities in Scientific Journals

Technology in Cancer Research & Treatment, Scientific Committee Membership, 2024 - Continues

Memberships / Tasks in Scientific Organizations

EACR, Member, 2021 - Continues, England

Moleküler Kanser Arařtırma Derneđi (MOKAD), Member, 2021 - Continues, Turkey

Moleküler Biyoloji Derneđi, Member, 2012 - Continues, Turkey

TIBBİ BİYOLOJİ VE GENETİK DERNEĐİ , Member, 2011 - Continues, Turkey

Scientific Refereeing

Project Supported by Other Official Institutions, Usak University, Turkey, November 2024

European annals of dental sciences (Online), Other Indexed Journal, December 2022

WORLD JOURNAL OF GASTROENTEROLOGY, Journal Indexed in SCI-E, November 2022

WORLD JOURNAL OF GASTROENTEROLOGY, Journal Indexed in SCI-E, October 2022

International Journal of Electrical and Computer Engineering Systems, Journal Indexed in ESCI, August 2022

Medical records-international medical journal (Online), Other Indexed Journal, July 2022

WORLD JOURNAL OF CLINICAL CASES, Journal Indexed in SCI-E, February 2022

Project Supported by Higher Education Institutions, BAP Infrastructure, Hacettepe University, Turkey, February 2022

Project Supported by Higher Education Institutions, BAP Research Project, Hacettepe University, Turkey, February 2022

Metrics

Publication: 50

Citation (WoS): 83

Citation (Scopus): 147

H-Index (WoS): 6

H-Index (Scopus): 6

Congress and Symposium Activities

BİYOENFORMATİK GÜNLERİ V, Attendee, Ankara, Turkey, 2022