

Asst. Prof. GÜLŞAH MERVE KILINÇ

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International Researcher IDs

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ORCID: [0000-0002-2024-3910](https://orcid.org/0000-0002-2024-3910)

Publons / Web Of Science ResearcherID: [AAE-3516-2019](https://publons.com/researcher/AAE-3516-2019)

ScopusID: [57191633087](https://scopus.com/authid/detail.uri?authorId=57191633087)

Yoksis Researcher ID: [311294](https://yoksis.org.tr/yoksis/researcher/311294)

Biography

Gulsah Merve Kilinc graduated from Hacettepe University, Department of Biology and received her PhD in Molecular Biology and Genetics from Bilkent University. She worked as postdoctoral researcher at CompEvo Lab in the Department of Biology at Middle East Technical University. She continued her postdoctoral studies at Stockholm University at the Department of Archaeology and Classical Studies. Her research focuses on analysing ancient human genome sequences from different time periods extending from Palaeolithic to present-day to better understand the human population genetic history. She uses ancient DNA from different parts of the world to infer the migrations and genetic structure of past human populations. Her research published in prestigious journals such as *Science Advances*, *Current Biology* and *Plos Biology*.

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Molecular Biology And Genetics, Turkey 2010 - 2014

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2005 - 2010

Research Areas

Medical Biology, bioinformatics, Software, Genetic Disorders, Genomics, Evolution, Population Genetics, Statistics

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyoinformatik A.B.D., 2022 - Continues

Lecturer, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyoinformatik A.B.D., 2019 - 2022

Researcher, Stockholms Universitet (Stockholm University), Department of Archaeology and Classical Studies, Ancient DNA Laboratory, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The genetic history of Scandinavia from the Roman Iron Age to the present**
Rodríguez-Varela R., Moore K. H., Ebenesersdóttir S. S., KILINÇ G. M., Kjellström A., Pappmehl-Dufay L., Alfsdotter C., Berglund B., Alrawi L., Kashuba N., et al.
Cell, vol.186, no.1, pp.32, 2023 (SCI-Expanded)
- II. **A genomic snapshot of demographic and cultural dynamism in Upper Mesopotamia during the Neolithic Transition**
Altınışık N. E., Kazancı D. D., Aydoğan A., Gemici H. C., Erdal Ö. D., Sarıaltun S., Vural K. B., Koptekin D., Gürün K., Sağlıcan E., et al.
SCIENCE ADVANCES, vol.8, no.44, pp.1-17, 2022 (SCI-Expanded)
- III. **Human population dynamics and Yersinia pestis in ancient northeast Asia**
Kilinc G. M., Kashuba N., Koptekin D., Bergfeldt N., Donertas H. M., Rodriguez-Varela R., Shergin D., Ivanov G., Kichigin D., Pestereva K., et al.
SCIENCE ADVANCES, vol.7, no.2, 2021 (SCI-Expanded)
- IV. **Corded Ware cultural complexity uncovered using genomic and isotopic analysis from south-eastern Poland**
Linderholm A., KILINÇ G. M., Szczepanek A., Wlodarczyk P., Jarosz P., Belka Z., Dopieralska J., Werens K., Gorski J., Mazurek M., et al.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- V. **Investigating Holocene human population history in North Asia using ancient mitogenomes**
Kilinc G. M., Kashuba N., Yaka R., Sümer A. P., Yüncü E., Shergin D., Ivanov G. L., Kichigin D., Pestereva K., Volkov D., et al.
Scientific Reports, vol.8, no.1, 2018 (SCI-Expanded)
- VI. **Ancient genomes suggest the eastern Pontic-Caspian steppe as the source of western Iron Age nomads**
Krzewinska M., Kilinc G. M., Juras A., Koptekin D., Chylenski M., Nikitin A. G., Shcherbakov N., Shuteleva I., Leonova T., Kraeva L., et al.
SCIENCE ADVANCES, vol.4, no.10, 2018 (SCI-Expanded)
- VII. **Genomic and Strontium Isotope Variation Reveal Immigration Patterns in a Viking Age Town**
Krzewinska M., Kjellstrom A., Guenther T., Hedenstierna-Jonson C., Zachrisson T., Omrak A., Yaka R., Kilinc G. M., SOMEL M., Sobrado V., et al.
CURRENT BIOLOGY, vol.28, no.17, pp.2730-2748, 2018 (SCI-Expanded)
- VIII. **Population genomics of Mesolithic Scandinavia: Investigating early postglacial migration routes and high-latitude adaptation**
Günther T., Malmström H., Svensson E. M., Omrak A., Sánchez-Quinto F., Kilinc G. M., Krzewińska M., Eriksson G., Fraser M., Edlund H., et al.
PLoS Biology, vol.16, no.1, 2018 (SCI-Expanded)
- IX. **Archaeogenomic analysis of the first steps of Neolithization in Anatolia and the Aegean**
Kilinc G. M., Koptekin D., Atakuman Ç., Sumer A. P., Donertas H. M., Yaka R., Bilgin C. C., Büyükkarakaya A. M., Baird D., Altinisik E., et al.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.284, 2017 (SCI-Expanded)
- X. **The Demographic Development of the First Farmers in Anatolia**
Kilinc G. M., Omrak A., Ozer F., Gunther T., BÜYÜKKARAKAYA A. M., Bıçakçı E., Baird D., Donertas H. M., Ghalichi A., Yaka R., et al.
CURRENT BIOLOGY, vol.26, no.19, pp.2659-2666, 2016 (SCI-Expanded)
- XI. **Early postzygotic mutations contribute to de novo variation in a healthy monozygotic twin pair**
Dal G. M., Ergüner B., Sağıroğlu M. S., Yüksel B., Onat O. E., Alkan C., Özçelik T.
Journal of Medical Genetics, vol.51, no.7, pp.455-459, 2014 (SCI-Expanded)

- I. **A Study on Burrows-Wheeler Aligner's Performance Optimization for Ancient DNA Mapping**
Sarmiento C., Guimaraes S., KILINÇ G. M., Gotherstrom A., Pires A. E., Ginja C., Fonseca N. A.
15th International Conference on Practical Applications of Computational Biology and Bioinformatics (PACBB),
Salamanca, Mexico, 6 - 08 October 2021, vol.325, pp.105-114
- II. **Mobility in Neolithic Central Anatolia: A Comparison of Dental Morphometrics and aDNA**
Pilloud M. A., SOMEL M., Haddow S. D., Knusel C. J., Larsen C. S., Ozbasaran M., ERDAL Ö. D., Baird D., Pearson J.,
Gotherstrom A., et al.
86th Annual Meeting of the American-Association-of-Physical-Anthropologists (AAPA), Louisiana, United States Of
America, 19 - 22 April 2017, vol.162, pp.316
- III. **Archaeogenomic analysis of ancient Anatolians: first genetic indication for Neolithic cultural
diffusion in the Near East**
SOMEL M., Kilinc G. M., Ozer F., Omrak A., Yaka R., Donertas M., Dagtas N. D., Yuncu E., Koptekin D.,
BÜYÜKKARAKAYA A. M., et al.
85th Annual Meeting of the American-Association-of-Physical-Anthropologists, Georgia, United States Of America,
13 - 16 April 2016, vol.159, pp.297-298

Supported Projects

YET İ., KILINÇ G. M., Taç İ., Project Supported by Higher Education Institutions, Kompleks hastalıklarla ilişkili genetik varyasyonun zamanseri genom dizileme verilerinde popülasyon genetiği yaklaşımları ile incelenmesi, 2022 - Continues
Altınışık N. E., Kılınç G. M., Özer F., Erdal Y. S., Somel M., Yet İ., TUBITAK Project, Obezite ve Tip 2 Diyabet ile İlişkili Genetik Yapının Anadolu'da Son 10.000 Yıl İçindeki Değişim Dinamiklerinin Antik DNA ve Popülasyon Genetiği Yaklaşımları ile İncelenmesi , 2021 - 2024

ERMAN B., ESENBOĞA S., KILINÇ G. M., ÇAĞDAŞ AYVAZ D. N., TEZCAN F. İ., Project Supported by Higher Education Institutions, DOCK8 eksikliği olan hastalarda immün repertuarın belirlenmesi, 2021 - 2022

Metrics

Publication: 24

Citation (WoS): 336

Citation (Scopus): 359

H-Index (WoS): 9

H-Index (Scopus): 9

Scholarships

EMBO Fellowship, Other International Organizations, 2016 - 2016

Full Merit Scholarship, University, 2010 - 2014