

## Lect. GÜLŞAH MERVE KILINÇ

### Personal Information

**Mobile Phone:** [+90 506 653 0061](tel:+905066530061)

**Office Phone:** [+90 312 305 3038](tel:+903123053038)

**Email:** [gulsahkilinc@hacettepe.edu.tr](mailto:gulsahkilinc@hacettepe.edu.tr)

**Web:** <https://avesis.hacettepe.edu.tr/gulsahkilinc>

### 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

Under Graduate, 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

Lecturer, Hacettepe University, Sağlık Bilimleri Enstitüsü, 2019 - Continues

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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **Corded Ware cultural complexity uncovered using genomic and isotopic analysis from south-eastern Poland**  
Linderholm A., KILINÇ G. M. , Szczepanek A., Wlodarczak P., Jarosz P., Belka Z., Dopieralska J., Werens K., Gorski J.,

Mazurek M., et al.

SCIENTIFIC REPORTS, vol.10, no.1, 2020 (Journal Indexed in SCI)

- III. **Investigating Holocene human population history in North Asia using ancient mitogenomes**  
Kılınç 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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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., Kılınç G. M. , Krzewińska M., Eriksson G., Fraser M., Edlund H., et al.  
PLoS Biology, vol.16, no.1, 2018 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **The Demographic Development of the First Farmers in Anatolia**  
Kilinc G. M. , Omrak A., Ozer F., Gunther T., BÜYÜKKARAKAYA A. M. , Bicakci E., Baird D., Donertas H. M. , Ghalichi A., Yaka R., et al.  
CURRENT BIOLOGY, vol.26, no.19, pp.2659-2666, 2016 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **The effects of trunk stabilization exercise and kinesiotaping application on patients with muscular disease: A pilot study**  
Demirci C. S. , Yildirim S. A. , Baltaci G., KILINÇ G. M.  
18th International Congress of the World-Muscle-Society (WMS), California, United States Of America, 1 - 05 October 2013, vol.23, pp.790-791

- IV. **Reliability and validity of trunk assessment methods in neuromuscular disease**  
Demir Y. P. , KILINÇ G. M. , Yildirim S. A.  
18th International Congress of the World-Muscle-Society (WMS), California, United States Of America, 1 - 05 October 2013, vol.23, pp.790
- V. **The characteristics of low back pain and its effects on quality of life in patients with neuromuscular diseases**  
Ayvat E., KILINÇ G. M. , Demir Y. P. , Yildirim S. A. , Tan E.  
18th International Congress of the World-Muscle-Society (WMS), California, United States Of America, 1 - 05 October 2013, vol.23, pp.789-790
- VI. **The analysis of the factors associated with quality of life in patients with Neuromuscular diseases**  
Ayvat E., KILINÇ G. M. , Iyigun G., Yildirim S. A. , Ozdamar S. E.  
18th International Congress of the World-Muscle-Society (WMS), California, United States Of America, 1 - 05 October 2013, vol.23, pp.790
- VII. **The muscle strength, mobility and health-related quality of life differences between faller and non-faller patients with neuromuscular diseases: a retrospective study**  
Atay S., KILINÇ G. M. , Iyigun G., Aksu S., Erdem S., Tan E.  
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.373-374
- VIII. **Rehabilitation in neuromuscular diseases: one-year follow-up**  
KILINÇ G. M. , Aksu S., Atay S., Iyigun G., Erdem S., Tan E.  
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.377
- IX. **The test-retest reliability of manual and dynamometric muscle strength measurement methods of the upper and lower extremity in patients with neuromuscular diseases**  
Atay S., KILINÇ G. M. , Aksu S., Tan E.  
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.376-377
- X. **Is proprioceptive neuromuscular facilitation treatment effective in increasing the upper extremity muscle strength and activities of daily living in patients with neuromuscular diseases?**  
Aksu S., KILINÇ G. M. , Atay S., Iyigun G., Tan E.  
12th Congress of the European-Federation-of-Neurological-Societies, Madrid, Spain, 23 - 26 August 2008, vol.15, pp.377

## Citations

Total Citations (WOS):145

h-index (WOS):5

## Scholarships

EMBO Fellowship, Other International Organizations, 2016 - 2016

Full Merit Scholarship, University, 2010 - 2014