

Prof. MEHMET SOMEL

Personal Information

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Education Information

Doctorate, Universitaet Leipzig, Faculty Of Biosciences Pharmacy And Psychology, Germany 2004 - 2008

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji (YI) (Tezli), Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1996 - 2001

Dissertations

Doctorate, Exploring Phenotypic Variation with the Transcriptome: Applications in Human Evolution and Ageing, Universitaet Leipzig, Faculty Of Biosciences Pharmacy And Psychology, 2008

Postgraduate, Characterisation of DNA from archaeological wheat (*Triticum L.*) seeds from anatolia, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyoteknoloji (YI) (Tezli), 2003

Research Areas

Evolution, Population Genetics

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 2014 - 2021

Assistant Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 2013 - 2014

Research Assistant, University of California, Berkeley, Letters And Science, Integrative Biology, 2011 - 2013

Research Assistant, Chinese Academy Of Sciences, Cas-Mpg Partner Institute For Computational Biology, 2008 - 2011

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 2001 - 2004

Advising Theses

Acar A. C., Somel M., De novo SNP calling and demographic inference using trio genome data, Postgraduate, E.BOZLAK(Student), 2019

Somel M., Exploring the evolutionary history of anatolian neolithic sheep using modern and ancient genomics, Postgraduate, E.YURTMAN(Student), 2019

Somel M., Testing natural selection on polygenic trait-associated alleles in anatolia using neolithic and present-day human genomes, Postgraduate, E.FER(Student), 2019

SOMEL M., Differences in learning performance and related behaviors across three honey bee subspecies from Turkey, Postgraduate, B.ERDEM(Student), 2018

Somel M., Özer A. N., Kuzey iskandinavyalı insan örneklerinde hesaplamalı antik DNA çalışmaları, Postgraduate,

N.DUHA(Student), 2018

SOMEL M., Testis transcriptome evolution among hominids, Postgraduate, E.SAĞLİCAN(Student), 2018

SOMEL M., Meta analysis of alzheimer's disease at the gene expression level, Postgraduate, H.İzgi(Student), 2017

SOMEL M., Context dependent mutation biases in the human genome, Postgraduate, A.YETKİN(Student), 2017

SOMEL M., TUNÇBAĞ N., Transcriptomic network analysis of brain aging and alzheimers disease, Postgraduate, P.Parvizi(Student), 2017

SOMEL M., Genetic relatedness estimation using ancient genomic data, Postgraduate, A.GHALİCHI(Student), 2017

SOMEL M., Understanding domestication process of sheep across Central and Western Anatolia by using ancient DNA, Postgraduate, O.ÖZER(Student), 2017

SOMEL M., Meta analysis of Alzheimer's disease at the gene expression level, Postgraduate, H.İZGİ(Student), 2017

TUNÇBAĞ N., SOMEL M., Transcriptomic network analysis of brain aging and Alzheimer's disease, Postgraduate, P.PARVIZI(Student), 2017

SOMEL M., Notable decrease in transcriptome conservation during mammalian aging, Postgraduate, Z.GÖZDE(Student), 2016

SOMEL M., Meta-analysis of gene expression reversals in ageing brain, Postgraduate, H.MELİKE(Student), 2016

SOMEL M., Evolution of bladder cancer investigated using exome sequencing, Postgraduate, E.ÖZKURT(Student), 2015

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

- I. **New insights on commemoration of the dead through mortuary and architectural use of pigments at Neolithic Çatalhöyük, Turkey**
Schotsmans E., Busacca G., Lin S., Vasić M., Lingle A., Veropoulidou R., Mazzucato C., Tibbetts B., Haddow S., SOMEL M., et al.
Scientific Reports, vol.12, no.1, 2022 (Journal Indexed in SCI Expanded)
- II. **Inter-tissue convergence of gene expression during ageing suggests age-related loss of tissue and cellular identity**
İZGİ H., Han D., Isildak U., Huang S., Kocabiyik E., Khaitovich P., SOMEL M., Dönertaş H. M.
eLife, vol.11, 2022 (Journal Indexed in SCI)
- III. **Archaeogenetic analysis of Neolithic sheep from Anatolia suggests a complex demographic history since domestication**
Yurtman E., Ozer O., Yuncu E., Dagtas N. D. , Koptekin D., Çakan Y. G. , Ozkan M., Akbaba A., Kaptan D., Atag G., et al.
Communications Biology, vol.4, no.1, 2021 (Journal Indexed in SCI Expanded)
- IV. **Collaborate equitably in ancient DNA research and beyond**
SOMEL M.
NATURE, vol.600, no.7887, pp.37, 2021 (Journal Indexed in SCI)
- V. **Human inbreeding has decreased in time through the Holocene**
Ceballos F. C. , Gurun K., ALTINIŞIK N. E. , Gemici H. C. , Karamurat C., Koptekin D., Vural K. B. , Mapelli I., Saglıcan E., SÜRER E., et al.
CURRENT BIOLOGY, vol.31, no.17, pp.3925-3943, 2021 (Journal Indexed in SCI)
- VI. **Million-year-old DNA sheds light on the genomic history of mammoths**
van der Valk T., Pecnerova P., Diez-del-Molino D., Bergstrom A., Oppenheimer J., Hartmann S., Xenikoudakis G., Thomas J. A. , Dehasque M., Saglıcan E., et al.
NATURE, vol.591, no.7849, pp.265-282, 2021 (Journal Indexed in SCI)
- VII. **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)
- VIII. **Variable kinship patterns in Neolithic Anatolia revealed by ancient genomes**
Yaka R., Mapelli I., Kaptan D., Doğu A., Chyleński M., Erdal Ö. D. , Koptekin D., Vural K. B. , Bayliss A., Mazzucato C., et al.

Current Biology, vol.31, no.11, 2021 (Journal Indexed in SCI)

- IX. **EVOLUTIONARY GENETICS Of dogs and men**
Pavlidis P., SOMEL M.
SCIENCE, vol.370, no.6516, pp.522-523, 2020 (Journal Indexed in SCI)
- X. **Temporal changes in the gene expression heterogeneity during brain development and aging**
Isildak U., SOMEL M., Thornton J. M. , Donertas H. M.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (Journal Indexed in SCI)
- XI. **Social Memory and Mortuary Practices in Neolithic Anatolia**
Pilloud M. A. , Haddow S. D. , Knusel C. J. , Larsen C. S. , SOMEL M.
POETICS OF PROCESSING, pp.145-165, 2020 (Journal Indexed in SSCI)
- XII. **Molecular footprint of Medawar's mutation accumulation process in mammalian aging**
Turan Z. G. , Parvizi P., Donertas H. M. , Tung J., Khaitovich P., SOMEL M.
AGING CELL, vol.18, no.4, 2019 (Journal Indexed in SCI)
- XIII. **Ancient Mitochondrial Genomes Reveal the Absence of Maternal Kinship in the Burials of catalhoyuk People and Their Genetic Affinities**
Chylenski M., Ehler E., SOMEL M., Yaka R., Krzewinska M., Dabert M., Juras A., Marciniak A.
GENES, vol.10, no.3, 2019 (Journal Indexed in SCI)
- XIV. **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)
- XV. **Investigating Holocene human population history in North Asia using ancient mitogenomes**
Kilinc G. M. , Kashuba N., Yaka R., Sumer A. P. , Yuncu E., Shergin D., Ivanov G. L. , Kichigin D., Pestereva K., Volkov D., et al.
SCIENTIFIC REPORTS, vol.8, 2018 (Journal Indexed in SCI)
- XVI. **Archaeogenetics of Late Iron Age Cemialo Srt, Batman: Investigating maternal genetic continuity in north Mesopotamia since the Neolithic**
Yaka R., Birand A., Yilmaz Y., Caner C., Acan S. C. , Gunduzalp S., Parvizi P., Ozdogan A. E. , Togan I., SOMEL M.
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY, vol.166, no.1, pp.196-207, 2018 (Journal Indexed in SCI)
- XVII. **Variation and Functional Impact of Neanderthal Ancestry in Western Asia**
Taskent R. O. , Alioglu N. D. , Fer E., Donertas H. M. , SOMEL M., Gokcumen O.
GENOME BIOLOGY AND EVOLUTION, vol.9, no.12, pp.3516-3524, 2017 (Journal Indexed in SCI)
- XVIII. **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., BİLGIN C. C. , BÜYÜKKARAKAYA A. M. , Baird D., ALTINISIK E., et al.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.284, no.1867, 2017 (Journal Indexed in SCI)
- XIX. **Gene expression reversal toward pre-adult levels in the aging human brain and age-related loss of cellular identity**
Donertas H. M. , İZGİ H., Kamacioglu A., He Z., Khaitovich P., SOMEL M.
SCIENTIFIC REPORTS, vol.7, 2017 (Journal Indexed in SCI)
- XX. **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)
- XXI. **Disruption of an Evolutionarily Novel Synaptic Expression Pattern in Autism**
Liu X., Han D., Somel M., Jiang X., Hui H., Guijarro P., Zhang N., Mitchell A., Halene T., Ely J. J. , et al.
PLOS BIOLOGY, vol.14, no.9, 2016 (Journal Indexed in SCI)
- XXII. **Determining the origin of synchronous multifocal bladder cancer by exome sequencing**
Acar O., Ozkurt E., Demir G., Sarac H., ALKAN C., Esen T., SOMEL M., LACK N.
BMC CANCER, vol.15, 2015 (Journal Indexed in SCI)
- XXIII. **Transcriptomic insights into human brain evolution: acceleration, neutrality, heterochrony**

- SOMEL M., Rohlf S., Liu X.
CURRENT OPINION IN GENETICS & DEVELOPMENT, vol.29, pp.110-119, 2014 (Journal Indexed in SCI)
- XXIV. **Whole genome sequencing of Turkish genomes reveals functional private alleles and impact of genetic interactions with Europe, Asia and Africa**
Alkan C., Kavak P., Somel M., Gokcumen O., Ugurlu S., Saygi C., Dal E., Bugra K., GÜNGÖR T., Sahinalp S. C. , et al.
BMC GENOMICS, vol.15, 2014 (Journal Indexed in SCI)
- XXV. **Shared signatures of social stress and aging in peripheral blood mononuclear cell gene expression profiles**
Snyder-Mackler N., SOMEL M., Tung J.
AGING CELL, vol.13, no.5, pp.954-957, 2014 (Journal Indexed in SCI)
- XXVI. **Altitude adaptation in Tibetans caused by introgression of Denisovan-like DNA**
Huerta-Sanchez E., Jin X., Asan A., Bianba Z., Peter B. M. , Vinckenbosch N., Liang Y., Yi X., He M., Somel M., et al.
NATURE, vol.512, no.7513, pp.194-210, 2014 (Journal Indexed in SCI)
- XXVII. **Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears**
Liu S., Lorenzen E. D. , Fumagalli M., Li B., Harris K., Xiong Z., Zhou L., Korneliusen T. S. , Somel M., Babbitt C., et al.
CELL, vol.157, no.4, pp.785-794, 2014 (Journal Indexed in SCI)
- XXVIII. **Classic Selective Sweeps Revealed by Massive Sequencing in Cattle**
Qanbari S., Pausch H., Jansen S., Somel M., Strom T. M. , Fries R., Nielsen R., Simianer H.
PLOS GENETICS, vol.10, no.2, 2014 (Journal Indexed in SCI)
- XXIX. **Evolution of Human Longevity Uncoupled from Caloric Restriction Mechanisms**
Zhao G., Guo S., Somel M., Khaitovich P.
PLOS ONE, vol.9, no.1, 2014 (Journal Indexed in SCI)
- XXX. **A Scan for Human-Specific Relaxation of Negative Selection Reveals Unexpected Polymorphism in Proteasome Genes**
Somel M., Sayres M. A. W. , Jordan G., Huerta-Sanchez E., Fumagalli M., Ferrer-Admetlla A., Nielsen R.
MOLECULAR BIOLOGY AND EVOLUTION, vol.30, no.8, pp.1808-1815, 2013 (Journal Indexed in SCI)
- XXXI. **Early gene expression divergence between allopatric populations of the house mouse (*Mus musculus domesticus*)**
Bryk J., Somel M., Lorenc A., Teschke M.
ECOLOGY AND EVOLUTION, vol.3, no.3, pp.558-568, 2013 (Journal Indexed in SCI)
- XXXII. **Human brain evolution: transcripts, metabolites and their regulators**
Somel M., Liu X., Khaitovich P.
NATURE REVIEWS NEUROSCIENCE, vol.14, no.2, pp.112-127, 2013 (Journal Indexed in SCI)
- XXXIII. **Widespread splicing changes in human brain development and aging**
Mazin P., Xiong J., Liu X., Yan Z., Zhang X., Li M., He L., Somel M., Yuan Y., Chen Y. P. , et al.
MOLECULAR SYSTEMS BIOLOGY, vol.9, 2013 (Journal Indexed in SCI)
- XXXIV. **Accelerated aging-related transcriptome changes in the female prefrontal cortex**
Yuan Y., Chen Y. P. , Boyd-Kirkup J., Khaitovich P., Somel M.
AGING CELL, vol.11, no.5, pp.894-901, 2012 (Journal Indexed in SCI)
- XXXV. **A Comparison of Brain Gene Expression Levels in Domesticated and Wild Animals**
Albert F. W. , Somel M., Carneiro M., Aximu-Petri A., Halbwax M., Thalmann O., Blanco-Aguilar J. A. , Plyusnina I. Z. , Trut L., Villafuerte R., et al.
PLOS GENETICS, vol.8, no.9, 2012 (Journal Indexed in SCI)
- XXXVI. **Mechanisms of Dietary Response in Mice and Primates: A Role for EGR1 in Regulating the Reaction to Human-Specific Nutritional Content**
Weng K., Hu H., Xu A. G. , Khaitovich P., Somel M.
PLOS ONE, vol.7, no.8, 2012 (Journal Indexed in SCI)
- XXXVII. **Extension of cortical synaptic development distinguishes humans from chimpanzees and macaques**
Liu X., Somel M., Tang L., Yan Z., Jiang X., Guo S., Yuan Y., He L., Oleksiak A., Zhang Y., et al.
GENOME RESEARCH, vol.22, no.4, pp.611-622, 2012 (Journal Indexed in SCI)
- XXXVIII. **MicroRNA-Driven Developmental Remodeling in the Brain Distinguishes Humans from Other**

Primates

Somel M., Liu X., Tang L., Yan Z., Hu H., Guo S., Jiang X., Zhang X., Xu G., Xie G., et al.
PLOS BIOLOGY, vol.9, no.12, 2011 (Journal Indexed in SCI)

- XXXIX. **Development and application of a modified dynamic time warping algorithm (DTW-S) to analyses of primate brain expression time series**
Yuan Y., Chen Y. P., Ni S., Xu A. G., Tang L., Vingron M., Somel M., Khaitovich P.
BMC BIOINFORMATICS, vol.12, 2011 (Journal Indexed in SCI)
- XL. **Rapid metabolic evolution in human prefrontal cortex**
Fu X., Giavalisco P., Liu X., Catchpole G., Fu N., Ning Z., Guo S., Yan Z., Somel M., Paeaebo S., et al.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.108, no.15, pp.6181-6186, 2011 (Journal Indexed in SCI)
- XLI. **MicroRNA, mRNA, and protein expression link development and aging in human and macaque brain**
Somel M., Guo S., Fu N., Yan Z., Hu H. Y., Xu Y., Yuan Y., Ning Z., Hu Y., Menzel C., et al.
GENOME RESEARCH, vol.20, no.9, pp.1207-1218, 2010 (Journal Indexed in SCI)
- XLII. **Intergenic and Repeat Transcription in Human, Chimpanzee and Macaque Brains Measured by RNA-Seq**
Xu A. G., He L., Li Z., Xu Y., Li M., Fu X., Yan Z., Yuan Y., Menzel C., Li N., et al.
PLOS COMPUTATIONAL BIOLOGY, vol.6, no.7, 2010 (Journal Indexed in SCI)
- XLIII. **Evolution of Neuronal and Endothelial Transcriptomes in Primates**
Giger T., Khaitovich P., Somel M., Lorenc A., Lizano E., Harris L. W., Ryan M. M., Lan M., Wayland M. T., Bahn S., et al.
GENOME BIOLOGY AND EVOLUTION, vol.2, pp.284-292, 2010 (Journal Indexed in SCI)
- XLIV. **A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice**
Enard W., Gehre S., Hammerschmidt K., Hoelter S. M., Blass T., Somel M., Brueckner M. K., Schreiweis C., Winter C., Sohr R., et al.
CELL, vol.137, no.5, pp.961-971, 2009 (Journal Indexed in SCI)
- XLV. **Transcriptional neoteny in the human brain**
Somel M., Franz H., Yan Z., Lorenc A., Guo S., Giger T., Kelso J., Nickel B., Dannemann M., Bahn S., et al.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.106, no.14, pp.5743-5748, 2009 (Journal Indexed in SCI)
- XLVI. **Evolution of Primate Gene Expression: Drift and Corrective Sweeps?**
Chaix R., Somel M., Kreil D. P., Khaitovich P., Lunter G. A.
GENETICS, vol.180, no.3, pp.1379-1389, 2008 (Journal Indexed in SCI)
- XLVII. **Human and Chimpanzee Gene Expression Differences Replicated in Mice Fed Different Diets**
Somel M., Creely H., Franz H., Mueller U., Lachmann M., Khaitovich P., Paeaebo S.
PLOS ONE, vol.3, no.1, 2008 (Journal Indexed in SCI)
- XLVIII. **Metabolic changes in schizophrenia and human brain evolution**
Khaitovich P., Lockstone H. E., Wayland M. T., Tsang T. M., Jayatilaka S. D., Guo A. J., Zhou J., Somel M., Harris L. W., Holmes E., et al.
GENOME BIOLOGY, vol.9, no.8, 2008 (Journal Indexed in SCI)
- XLIX. **Identification and analysis of genomic regions with large between-population differentiation in humans**
Myles S., Tang K., Somel M., Green R. E., Kelso J., Stoneking M.
ANNALS OF HUMAN GENETICS, vol.72, pp.99-110, 2008 (Journal Indexed in SCI)
- L. **Turks fighting back against anti-evolution forces**
Somel M., Somel R. N. O., Kence A.
NATURE, vol.445, no.7124, pp.147, 2007 (Journal Indexed in SCI)
- LI. **Identifying genes underlying skin pigmentation differences among human populations**
Myles S., Somel M., Tang K., Kelso J., Stoneking M.
HUMAN GENETICS, vol.120, no.5, pp.613-621, 2007 (Journal Indexed in SCI)
- LII. **Gene expression becomes heterogeneous with age**

Books & Book Chapters

- I. **From Bones to Genomes: Current Research on the Population History of Prehistoric Anatolia**
Kazancı D. D. , Altınışık N. E. , Aydoğan A., Özer F., Sürer E., Atakuman Ç., Somel M., Erdal Y. S.
in: The Archaeology of Anatolia, Volume IV: Recent Discoveries (2018–2020), Steadman Sharon R., McMahon Gregory, Editor, Cambridge Scholars Publishing, Cambridge, pp.355-371, 2021
- II. **Ancient genomics in Neolithic Central Anatolia and Çatalhöyük**
Yaka R., Doğu A., Kaptan D., Dağtaş N. D. , Chyleński M., Vural K. B. , Altınışık N. E. , Mapelli I., Koptekin D., Karamurat C., et al.
in: Peopling the Landscape of Çatalhöyük: Reports from the 2009-2017 Seasons, Ian Hodder, Editor, The British Institute of Archaeology at Ankara , Ankara, pp.395-405, 2021
- III. **From Bones to Genomes: Current Research on the Population History of Prehistoric Anatolia**
Kazancı D. D. , Altınışık E., Aydoğan A., ÖZER F., SÜRER E., ATAKUMAN Ç., SOMEL M., ERDAL Y. S.
in: The Archaeology of Anatolia, Volume IV: Recent Discoveries (2018-2010), Steadman, S., McMahon, G, Editor, Cambridge Scholars Publishing, Newcastle upon Tyne, pp.355-366, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Ancient genomics in Anatolia: challenges and opportunities**
SOMEL M.
THE 12TH INTERNATIONAL SYMPOSIUM ON HEALTH INFORMATICS AND BIOINFORMATICS, 17 - 19 October 2019
- II. **Discovery of Structural Variations in Ancient Genomes**
SÖYLEV A., ALKAN C., SOMEL M.
Twelfth International Symposium on Health Informatics and Bioinformatics, İzmir, Turkey, 17 - 19 October 2019
- III. **An Archaeogenomic Investigation of Consanguinity During the Neolithic Transition**
Taskent R. O. , Sumer A. P. , Koptekin D., Ozkan M., Ceballos F. C. , Gokcumen O., SOMEL M.
88th Annual Meeting of the American-Association-of-Physical-Anthropologists (AAPA), Ohio, United States Of America, 27 - 30 March 2019, vol.168, pp.244
- IV. **Archaeogenomic Insights into Anatolian Demographic History During the Holocene**
Atakuman Ç., Birand Özsoy A. C. , Bilgin C. C. , Erdal Y. S. , Büyükkarakaya A. M. , Götherström A., Gökçümen Ö., Gündüzalp S., Kılınç G. M. , Koktekin D., et al.
MolBiyKon '17, İstanbul, Turkey, 8 - 10 September 2017
- V. **Understanding migration of shhep from its domestication center in Southeast Anatolia to West Anatolia by using of ancient mtDNA: Preliminary results**
Dağtaş D., Yüncü E., Özer F., BİRAND ÖZSOY A. C. , Açıncı C., Akbaba A., ÖZBAL GERRITSEN R. D. , İLGEZDİ BERTRAM G., GÜNDEM C. Y. , Pişkin E., et al.
4. Ecology and Evolutionary Biology Symposium, İstanbul, Turkey, 11 - 13 July 2017
- VI. **Meta-Analysis of Alzheimer'xxs Disease at the Gene Expression Level**
İZGİ H., SOMEL M.
10th International Symposium on HealthInformatics and Bioinformatics, 28 - 30 June 2017
- VII. **Diverse Patterns of Neanderthal Introgression in Western Asia**
Taskent R. O. , Alioglu D., Fer E., Donertas H. M. , SOMEL M., Gokcumen O.
86th Annual Meeting of the American-Association-of-Physical-Anthropologists (AAPA), Louisiana, United States Of America, 19 - 22 April 2017, vol.162, pp.377
- VIII. **Mechanisms of convergent testis transcriptome evolution in primates**
Saglican E., Donertas M., Rohlf R., Ozkurt E., Hu H., Neme R., Erdem B., Khaitovich P., SOMEL M.

86th Annual Meeting of the American-Association-of-Physical-Anthropologists (AAPA), Louisiana, United States Of America, 19 - 22 April 2017, vol.162, pp.364

IX. 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

X. Genome-wide cytosine methylation differences between ancient hunter-gatherers and farmers

Koptekin D., Kilinc G. M. , Sumer A. P. , Donertas M., SOMEL M.

86th Annual Meeting of the American-Association-of-Physical-Anthropologists (AAPA), Louisiana, United States Of America, 19 - 22 April 2017, vol.162, pp.250-251

XI. Autism spectrum disorder in context of human brain evolution

LIU X., SOMEL M.

Ecology and Evolutionary Biology Symposium Turkey, Ankara, Turkey, 31 August - 01 September 2016

XII. Neanderthal Introgression to Western Asian Human Populations

Taskent R. O. , Xu D., Alioglu D., Donertas H. M. , Fer E., SOMEL M., Gokcumen O.

85th Annual Meeting of the American-Association-of-Physical-Anthropologists, Georgia, United States Of America, 13 - 16 April 2016, vol.159, pp.310-311

XIII. 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

XIV. Molecular evolution of mammalian testes under polyandry and monandry

SOMEL M., SAĞLİCAN E., ROHLFS R., ÖZKURT E., HAIYANG H., ERDEM B., KHAITOVICH P.

15th Congress of the European Society for Evolutionary Biology (ESEB 2015), 10 - 12 August 2015

XV. Neanderthal introgression into Western Asian human populations

Taşkent R. Ö. , Alioğlu D., Gökçümen Ö., SOMEL M.

Ecology and Evolutionary Biology Symposium, Turkey 2015, Turkey, 6 - 07 August 2015

XVI. Notable Decrease in Transcriptome Conservation During Mammalian Brain Aging

Turan Z. G. , SOMEL M.

Society for Molecular Biology and Evolution 2015 Meeting, 12 - 16 July 2015

XVII. Whole genome sequencing of Turkish genomes reveals functional private alleles and impact of genetic interactions with Europe, Asia and Africa

Gokcumen O., Alkan C., Kavak P., SOMEL M., Ugurlu S., Dal E., Bugra-Bilge K., Gungor T., Sahinalp C., Ozeren N., et al.

83rd Annual Meeting of the American-Association-of-Physical-Anthropologists, Calgary, Canada, 8 - 12 April 2014, vol.153, pp.126-127

XVIII. Bringing the understanding of evolution to Turkish public: A volunteer organization model for developing countries

Ozpolat B. D. , Akcay A., Somel N., Somel M.

69th Annual Meeting of the Society-for-Developmental-Biology/Japanese-Society-of-Developmental-Biologists, New-Mexico, United States Of America, 5 - 09 August 2010, vol.344, pp.439

Supported Projects

Somel M., Atakuman Ç., Süreer E., Erdal Y. S. , Özer F., H2020 Project, NEOGENE: Archaeogenomic Analysis of Genetic and Cultural Interactions in Neolithic Anatolian Societies (ERC NO: 772390), 2018 - 2023

İZGİ H., SOMEL M., TUBITAK Project, Sistem biyolojisi yaklaşımı ile yaşanan beyin dokusunda hücresel ağ entropisinin tanımlanması, 2016 - 2017

SOMEL M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ,
2014 - 2014

Memberships / Tasks in Scientific Organizations

Scientific Exchange Grants Advisory Board, Member of Advisory Board, 2020 - Continues, Germany

European Society for Evolutionary Biology, Member of Advisory Board, 2019 - Continues, Netherlands

Ekoloji ve Evrimsel Biyoloji Derneği, Executive Board Member, 2019 - 2021, Turkey

Citations

Total Citations (WOS):2861

h-index (WOS):21

Awards

Somel M., Üstün Başarılı Genç Bilim İnsanlarını Ödüllendirme Programı, Türkiye Bilimler Akademisi, November 2015

Somel M., BAGEP, Bilim Akademisi Derneği, June 2014