Asst. Prof. YAVUZ OKTAY

Personal Information

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International Researcher IDs
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Education Information

Doctorate, University Of Texas Southwestern Medical Center, Dallas, Graduate School Of Biomedical Sciences, Integrative Biology Graduate Program, United States Of America 2001 - 2005
Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Scıence, Department Of Molecular Bıology And Genetıcs, Turkey 1997 - 2001

Research Areas

Bioinformatics, Biotechnology, Molecular Biology and Genetics, Neurobiology, Fundamental Medical Sciences

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2015 - Continues
Assistant Professor, Dokuz Eylul University, İzmir Uluslararası Biyotıp ve Genom Enstitüsü, Moleküler Biyoloji Ve Genetik (Dr) (İngilizce), 2015 - Continues
Assistant Professor, Acıbadem Üniversitesi, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2013 - 2015
Assistant Professor, Acıbadem Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2011 - 2015

Courses

Doctorate
Advanced Genetics and Genomics, Doctorate, 2017 - 2018
Human Genetics and Genomics, Doctorate, 2017 - 2018
Temel Genetik, Doctorate, 2013 - 2014
İleri Hücre Biyolojisi, Doctorate, 2013 - 2014
İleri Moleküler Biyoloji Teknikleri, Doctorate, 2012 - 2013
Postgraduate
Genetics and Genomics, Postgraduate, 2017 - 2018, 2016 - 2017
Moleküler Biyolojide Özel Konular, Postgraduate, 2015 - 2016
Moleküler Biyoloji ve Genetik Teknikleri, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
İnsan Genetiği, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Hücre Biyolojisi, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Temel Genetik, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Undergraduate
Cellular Basis of Medicine, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

Supervised Theses

Işik Z., Oktay Y., Developing Novel Targeted Theraphies Towards High Grade Glioma by Using Omics Data Integration Approaches, Doctorate, F.Öztoprak(Student), 2023
Oktay Y., THE INVESTIGATION OF THE EFFECTS OF A NOVEL MISSENSE MUTATION IN THE KATANIN-A-LIKE 2 (KATNAL2) GENE IN PATIENT FIBROBLASTS AND FIBROBLAST DERIVED CELLS USING FUNCTIONAL ANALYSIS METHODS, Doctorate, A.SEMRA(Student), 2023
OKTAY Y., Characterization of alterations in epigenome caused by IDH1 mutations at the earliest stages of gliomagenesis, Doctorate, B.EKİNCİ(Student), 2023
KARAKÜLAH G., OKTAY Y., Bağırsak mikrobiyotası fonksiyonel bolluğu referans aralıklarının dinamik kestrimi için bir uygulama programlama arayüzü geliştirilmesi, Postgraduate, L.BİNOKAY(Student), 2023
OKTAY Y., IŞIK Z., Developing novel targeted therapies towards high grade glioma (HGG) by using omics data integration approaches, Doctorate, F.ÖZTOPRAK(Student), 2023
KARAKÜLAH G., OKTAY Y., Development of an application programming interface for dynamically estimating reference intervals for functional abundances of gut microbiota, Postgraduate, L.BİNOKAY(Student), 2023
OKTAY Y., ÖZTÜRK M., Karaciğer kanserinde yeni hedeflerin belirlenmesi ve doğrulanması, Doctorate, U.EKİN(Student), 2022
OKTAY Y., Engineering target tissue in lab-on-a-chip devices for predicting homing choices of metastatic cancer, Doctorate, G.BATI(Student), 2020
OKTAY Y., KARAKÜLAH G., Otizm spektrum bozukluğuna sahip çift yumurta ikizleri ve ailelerinin kapsamlı transkriptom analizi, Postgraduate, K.OKAY(Student), 2020
OKTAY Y., Idh1 mutasyonunun gliom oluşumunun erken aşamalarında monosit farklılaşmasına etkilerinin transkriptom düzeyinde karakterizasyonu, Postgraduate, E.DİLER(Student), 2019
OKTAY Y., Türkiye'de akraba evliliğine bağlı nörogenetik hastalıkların temelinde yatan mitokondriyal etiyolojinin sıklığı, Postgraduate, E.SÖNMEZLER(Student), 2019
OKTAY Y., Kromozom konformasyonu yakalama teknikleriyle 8q24.21 bölgesindeki glioma risk-lokus alanlarının kromatin-kromatin etkileşimlerinin belirlenmesi ve İDH mutasyonunun etkisinin araştırılması, Postgraduate, T.YARAŞ(Student), 2019
OKTAY Y., Türkiye'deki akraba evliliklerine bağlı nörogenetik hastalık yükünün araştırılmasında yeni genomik yaklaşımlar, Postgraduate, E.YILMAZ(Student), 2018
OKTAY Y., Gliomaların oluşmasındaki genetik faktörlerin incelenmesi, Postgraduate, B.ŞENKUN(Student), 2014

Jury Memberships

Post Graduate, Post Graduate, Izmir Institute Of Technology, June, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **tubg1 Somatic Mutants Show Tubulinopathy-Associated Neurodevelopmental Phenotypes in a Zebrafish Model**
Cark O., Katkat E., Aydogdu I., Iscan E., Oktay Y., Ozhan G.
Molecular Neurobiology, vol.62, no.3, pp.3024-3039, 2025 (SCI-Expanded)
II. **PGSXplorer: an integrated nextflow pipeline for comprehensive quality control and polygenic score**

model development
Yaraş T., OKTAY Y., KARAKÜLAH G.
PeerJ, vol.13, no.2, 2025 (SCI-Expanded)

III. **Biallelic PTPMT1 variants disrupt cardiolipin metabolism and lead to a neurodevelopmental syndrome**
Falabella M., Pizzamiglio C., Tabara L. C., Munro B., Abdel-Hamid M. S., Sonmezler E., Macken W. L., Lu S., Tilokani L., Flannery P. J., et al.
BRAIN, 2024 (SCI-Expanded)

IV. **A microdeletion event at 19q13.43 in IDH-mutant astrocytomas is strongly correlated with MYC overexpression**
Ülgen E., Gerlevik U., Gerlevik S., OKTAY Y., SEZERMAN O. U., Turcan Ş., ÖZDUMAN K.
Acta Neuropathologica Communications, vol.12, no.1, 2024 (SCI-Expanded)

V. **Evaluation of the Patients with the Diagnosis of Pontocerebellar Hypoplasia: A Multicenter National Study**
Cavusoglu D., Ozturk G., Turkdogan D., Kurul S. H., Yis U., Komur M., Incecik F., Kara B., Sahin T., Unver O., et al.
Cerebellum, vol.23, no.5, pp.1950-1965, 2024 (SCI-Expanded)

VI. **An API for dynamic estimation of reference intervals for functional abundances of gut microbiota**
Binokay L., Oktay Y., Karakülah G.
BIOLOGIA, vol.79, no.1, pp.343-353, 2024 (SCI-Expanded)

VII. **Expressions of the satellite repeat HSAT5 and transposable elements are implicated in disease progression and survival in glioma**
Köse S. N., Yaraş T., Bursali A., OKTAY Y., Yandim C., KARAKÜLAH G.
Turkish Journal of Biology, vol.48, no.4, pp.242-256, 2024 (SCI-Expanded)

VIII. **Neuromuscular disease genetics in underrepresented populations: increasing data diversity.**
Wilson L. A., Macken W. L., Perry L. D., Record C. J., Schon K. R., Frezatti R. S. S., Raga S., Naidu K., Köken Ö. Y., Polat I., et al.
Brain : a journal of neurology, 2023 (SCI-Expanded)

IX. **The Relationship Between Cardiovascular Disease Risk and Major Depression.**
Targitay Ozturk B., ÖZEL F., YARAŞ T., EKİNCİ B., OKTAY Y., ONUR AYSEVENER B. E., ALKIN T., TECİRLİ N. D.
Noro psikiyatri arsivi, vol.60, no.2, pp.124-128, 2023 (SCI-Expanded)

X. **Bi-allelic variants in the ESAM tight-junction gene cause a neurodevelopmental disorder associated with fetal intracranial hemorrhage**
Lecca M., Pehlivan D., Suñer D. H., Weiss K., Coste T., Zweier M., OKTAY Y., Danial-Farran N., Rosti V., Bonasoni M. P., et al.
American Journal of Human Genetics, vol.110, no.4, pp.681-690, 2023 (SCI-Expanded)

XI. **DPAGT1-CDG: Report of Two New Pediatric Patients and Brief Review of the Literature**
ÖZSOY Ö., ÇİNLETİ T., GÜNAY Ç., SARIKAYA UZAN G., YEŞİLMEN M. C., Lochmueller H., Horvath R., YİŞ U., Oktay Y., HIZ A. S.
MOLECULAR SYNDROMOLOGY, 2023 (SCI-Expanded)

XII. **Whole Genome Analysis of Dizygotic Twins With Autism Reveals Prevalent Transposon Insertion Within Neuronal Regulatory Elements: Potential Implications for Disease Etiology and Clinical Assessment**
Okay K., ÜNAL VARIŞ P., MİRAL S., PAVLOPOULOU A., OKTAY Y., KARAKÜLAH G.
JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS, no.3, pp.1091-1106, 2023 (SSCI)

XIII. **Associations Between Blood Levels of NLRP3 Inflammasome Components and Obsessive Compulsive Disorder**
Tetik M., DİREK TECİRLİ N., Önder Uzgan B., Aykaç C., Ekinci B., Yaraş T., Kuruoğlu A., Özel F., ERMİŞ Ç., ALKIN T., et al.
Noropsikiyatri Arsivi, vol.60, no.1, pp.28-36, 2023 (SCI-Expanded)

XIV. **Shared Biological Pathways and Processes in Patients with Intellectual Disability: A Multicenter Study**

Günay Ç., Aykol D., Özsoy Ö., Sönmezler E., Hancı Y. S., Kara B., Sünnetçi D., Cine N., Deniz A., Özer T., et al.
Neuropediatrics, vol.54, no.4, pp.225-238, 2023 (SCI-Expanded)

XV. **StemnesScoRe: an R package to estimate the stemness of glioma cancer cells at single-cell resolution**
Kochan N., OKTAY Y., Karakulah G.
TURKISH JOURNAL OF BIOLOGY, no.6, 2023 (SCI-Expanded)

XVI. **Editorial: Mental health: cell models to mechanisms**
Harwood A. J., Petrakis S., OKTAY Y., Pasterkamp R. J.
Frontiers in Cell and Developmental Biology, vol.11, 2023 (SCI-Expanded)

XVII. **An in silico approach to the identification of diagnostic and prognostic markers in low-grade gliomas**
Özbek M., Toy H. I., Oktay Y., Karakülah G., SUNER KARAKÜLAH A., Pavlopoulou A.
PeerJ, vol.11, 2023 (SCI-Expanded)

XVIII. **Factors associated with the severity of COVID-19 outcomes in people with neuromuscular diseases: Data from the International Neuromuscular COVID-19 Registry.**
Pizzamiglio C., Pitceathly R. D. S., Lunn M. P., Brady S., De Marchi F., Galan L., Heckmann J. M., Horga A., Molnar M. J., Oliveira A. S. B., et al.
European journal of neurology, 2022 (SCI-Expanded)

XIX. **High diagnostic rate of trio exome sequencing in consanguineous families with neurogenetic diseases**
HIZ A. S., OKTAY Y., Topf A., Szabo N. Z., GÜNGÖR S., Yaramis A., Sonmezler E., Matalonga L., YİŞ U., Schon K., et al.
BRAIN, vol.145, no.4, pp.1507-1518, 2022 (SCI-Expanded)

XX. **Novel insights into PORCN mutations, associated phenotypes and pathophysiological aspects**
Arlt A., Kohlschmidt N., Hentschel A., Bartels E., Gross C., Toepf A., EDEM P., Szabo N., Sickmann A., Meyer N., et al.
ORPHANET JOURNAL OF RARE DISEASES, vol.17, no.1, 2022 (SCI-Expanded)

XXI. **Could lysosomal acid lipase enzyme activity be used for clinical follow-up in cryptogenic cirrhosis?**
KÖSE E., Cagatay E., Yaras T., Kisa P., Guler S., Gulten Z. A., AKARSU M., OKTAY Y., AYAR KAYALI H., ARSLAN N.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.52, no.4, pp.1075-1084, 2022 (SCI-Expanded)

XXII. **Bi-allelic variants in SPATA5L1 lead to intellectual disability, spastic-dystonic cerebral palsy, epilepsy, and hearing loss**
Richard E. M., Bakhtiari S., Marsh A. P. L., Kaiyrzhanov R., Wagner M., Shetty S., Pagnozzi A., Nordlie S. M., Guida B. S., Cornejo P., et al.
AMERICAN JOURNAL OF HUMAN GENETICS, vol.108, no.10, pp.2006-2016, 2021 (SCI-Expanded)

XXIII. **Different selection dynamics of S and RdRp between SARS-CoV-2 genomes with and without the dominant mutations**
Kochan N., Eskier D., SUNER KARAKÜLAH A., Karakulah G., OKTAY Y.
INFECTION GENETICS AND EVOLUTION, vol.91, 2021 (SCI-Expanded)

XXIV. **Alternative splicing and gene co-expression network-based analysis of dizygotic twins with autism-spectrum disorder and their parents**
Okay K., Varis P. U., Miral S., Ekinci B., Yaras T., KARAKÜLAH G., OKTAY Y.
GENOMICS, vol.113, no.4, pp.2561-2571, 2021 (SCI-Expanded)

XXV. **Current mutatome of SARS-CoV-2 in Turkey reveals mutations of interest.**
Eskier D., Akalp E., Dalan Ö., KARAKÜLAH G., OKTAY Y.
Turkish journal of biology = Turk biyoloji dergisi, vol.45, no.1, pp.104-113, 2021 (SCI-Expanded)

XXVI. **Autosomal recessive variants in TUBGCP2 alter the gamma-tubulin ring complex leading to neurodevelopmental disease**
GÜNGÖR S., OKTAY Y., Hiz S., Aranguren-Ibanez A., Kalafatcilar I., Yaramis A., Karaca E., YİŞ U., Sonmezler E., Ekinci B., et al.
ISCIENCE, vol.24, no.1, 2021 (SCI-Expanded)

XXVII. **Mutations and Copy Number Alterations in IDH Wild-Type Glioblastomas Are Shaped by Different Oncogenic Mechanisms**
Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., OKTAY Y., B. Akyerli C., K. Yuksel S., ERŞEN DANYELİ A., Tihan T., et al.

BIOMEDICINES, vol.8, no.12, 2020 (SCI-Expanded)

XXVIII. **Mutations of SARS-CoV-2 nsp14 exhibit strong association with increased genome-wide mutation load**
Eskier D., SUNER KARAKÜLAH A., OKTAY Y., KARAKÜLAH G.
PEERJ, vol.8, 2020 (SCI-Expanded)

XXIX. **Mutation density changes in SARS-CoV-2 are related to the pandemic stage but to a lesser extent in the dominant strain with mutations in spike and RdRp**
Eskier D., SUNER KARAKÜLAH A., KARAKÜLAH G., OKTAY Y.
PEERJ, vol.8, 2020 (SCI-Expanded)

XXX. **Successful treatment of intractable epilepsy with ketogenic diet therapy in twins with ALG3-CDG**
Paketci C., Edem P., Hiz S., Sonmezler E., Soydemir D., Uzan G., OKTAY Y., O'Heir E., Beltran S., Laurie S., et al.
BRAIN & DEVELOPMENT, vol.42, no.7, pp.539-545, 2020 (SCI-Expanded)

XXXI. **RdRp mutations are associated with SARS-CoV-2 genome evolution**
Eskier D., KARAKÜLAH G., SUNER KARAKÜLAH A., OKTAY Y.
PEERJ, vol.8, 2020 (SCI-Expanded)

XXXII. **Whole exome sequencing-based analysis to identify DNA damage repair deficiency as a major contributor to gliomagenesis in adult diffuse gliomas**
Ulgen E., CAN Ö., Bilguvar K., OKTAY Y., AKYERLİ BOYLU C., Danyeli A. E., Yakicier M. C., Sezerman O. U., Pamir M. N., Ozduman K.
JOURNAL OF NEUROSURGERY, vol.132, no.5, pp.1435-1446, 2020 (SCI-Expanded)

XXXIII. **Severe neurodevelopmental disease caused by a homozygous TLK2 variant**
Topf A., OKTAY Y., Balaraju S., Yilmaz E., Sonmezler E., YİŞ U., Laurie S., Thompson R., Roos A., MacArthur D. G., et al.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.28, no.3, pp.383-387, 2020 (SCI-Expanded)

XXXIV. **y COL4A1-related autosomal recessive encephalopathy in 2 Turkish children**
Yaramis A., Lochmueller H., Topf A., Sonmezler E., Yilmaz E., Hiz S., YİŞ U., GÜNGÖR S., Polat A. İ., Edem P., et al.
NEUROLOGY-GENETICS, no.1, 2020 (SCI-Expanded)

XXXV. **Confirmation of TACO1 as a Leigh Syndrome Disease Gene in Two Additional Families**
OKTAY Y., GÜNGÖR S., Zeltner L., Wiethoff S., Schoels L., Sonmezler E., Yilmaz E., Munro B., Bender B., Kernstock C., et al.
JOURNAL OF NEUROMUSCULAR DISEASES, vol.7, no.3, pp.301-308, 2020 (SCI-Expanded)

XXXVI. **Dihydropyridine Receptor Congenital Myopathy In A Consangineous Turkish Family**
YİŞ U., Hiz S., Gunes S., Diniz G., Baydan F., Topf A., Sonmezler E., Lochmuller H., Horvath R., OKTAY Y.
JOURNAL OF NEUROMUSCULAR DISEASES, vol.6, no.3, pp.377-384, 2019 (SCI-Expanded)

XXXVII. **Use of telomerase promoter mutations to mark specific molecular subsets with reciprocal clinical behavior in IDH mutant and IDH wild-type diffuse gliomas**
AKYERLİ BOYLU C., Yuksel S., CAN Ö., Erson-Omay E. Z., OKTAY Y., Cosgun E., Ulgen E., Erdemgil Y., Sav A., von Deimling A., et al.
JOURNAL OF NEUROSURGERY, vol.128, no.4, pp.1102-1114, 2018 (SCI-Expanded)

XXXVIII. **Determinants of resistance to chemotherapy and ionizing radiation in breast cancer stem cells.**
Pavlopoulou A., OKTAY Y., Vougas K., Louka M., Vorgias C. E., Georgakilas A. G.
Cancer letters, vol.380, no.2, pp.485-493, 2016 (SCI-Expanded)

XXXIX. **IDH-mutant glioma specific association of rs55705857 located at 8q24.21 involves MYC deregulation**
OKTAY Y., Ulgen E., CAN Ö., AKYERLİ BOYLU C., Yuksel S., Erdemgil Y., Durasi I. M., Henegariu O. I., Nanni E. P., Selevsek N., et al.
SCIENTIFIC REPORTS, vol.6, 2016 (SCI-Expanded)

XL. **UCP2 regulates energy metabolism and differentiation potential of human pluripotent stem cells**
Zhang J., Khvorostov I., Hong J. S., OKTAY Y., Vergnes L., Nuebel E., Wahjudi P. N., Setoguchi K., Wang G., Do A., et al.
EMBO JOURNAL, vol.30, no.24, pp.4860-4873, 2011 (SCI-Expanded)

XLI. **Distinct energy metabolism in human pluripotent stem cells and differentiated cells regulated by UCP2**
Zhang J., Khvorostov I., Hong J., OKTAY Y., Vergnes L., Nuebel E., Do A., Jung H., McCaffery M., Reue K., et al.

CANCER RESEARCH, vol.71, 2011 (SCI-Expanded)

XLII. **PNPASE Regulates RNA Import into Mitochondria**
Wang G., Chen H., OKTAY Y., Zhang J., Allen E. L., Smith G. M., Fan K. C., Hong J. S., French S. W., McCaffery J. M., et al.
CELL, vol.142, no.3, pp.456-467, 2010 (SCI-Expanded)

XLIII. **Cardiolipin defines the interactome of the major ADP/ATP carrier protein of the mitochondrial inner membrane**
Claypool S. M., OKTAY Y., Boontheung P., Loo J. A., Koehler C. M.
JOURNAL OF CELL BIOLOGY, vol.182, no.5, pp.937-950, 2008 (SCI-Expanded)

XLIV. **Hypoxia-inducible factor 2 alpha regulates expression of the mitochondrial aconitase chaperone protein frataxin**
OKTAY Y., Dioum E., Matsuzaki S., Ding K., Yan L., Haller R. G., Szweda L. I., Garcia J. A.
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.282, no.16, pp.11750-11756, 2007 (SCI-Expanded)

XLV. **The Function of TIM22 in the Insertion of Inner Membrane Proteins in Mitochondria**
OKTAY Y., Rainey R. N., Koehler C. M.
ENZYMES: MOLECULAR MACHINES INVOLVED IN PROTEIN TRANSPORT ACROSS CELLULAR MEMBRANES, VOL 25, vol.25, pp.367-385, 2007 (SCI-Expanded)

XLVI. **FEF-2 alpha regulates murine hematopoietic development in an erythropoietin-dependent manner**
Scortegagna M., Ding K., Zhang Q., OKTAY Y., Bennett M., Bennett M., Shelton J., Richardson J., Moe O., Garcia J.
BLOOD, vol.105, no.8, pp.3133-3140, 2005 (SCI-Expanded)

XLVII. **Multiple organ pathology, metabolic abnormalities and impaired homeostasis of reactive oxygen species in Epas1(-/-) mice**
Scortegagna M., Ding K., OKTAY Y., Gaur A., Thurmond F., Yan L., Marck B., Matsumoto A., Shelton J., Richardson J., et al.
NATURE GENETICS, vol.35, no.4, pp.331-340, 2003 (SCI-Expanded)

XLVIII. **The HIF family member EPAS1/HIF-2 alpha is required for normal hematopoiesis in mice**
Scortegagna M., Morris M., OKTAY Y., Bennett M., Garcia J.
BLOOD, vol.102, no.5, pp.1634-1640, 2003 (SCI-Expanded)

Articles Published in Other Journals

I. **Modeling the Earliest Stages of Gliomagenesis Using Human iPSC-derived NPCs in A Three-dimensional Alginate- based Matrix**
EKİNCİ B., YARAŞ T., OKTAY Y.
İzmir Tepecik Eğitim Hastanesi Dergisi, vol.33, no.3, pp.362-373, 2023 (Peer-Reviewed Journal)

II. **Comparative Transcriptome Analysis Identifies Target Genes for Treatment of IDH Wild-type Lower-grade Gliomas**
Oztoprak F., Isik Z., Oktay Y.
İzmir Tepecik Eğitim Hastanesi Dergisi, vol.33, no.1, pp.100-119, 2023 (Peer-Reviewed Journal)

III. **The Investigation of the Effects of a Novel Missense Mutation in Katanin-like 2 (KATNAL2) Gene on Microtubule-related Proteins in Patient Fibroblasts Using a Proteomic Approach**
Hız A. S., Yaramış A., Sönmezler E., Oktay Y.
İzmir Tepecik Eğitim Hastanesi Dergisi, vol.32, no.3, pp.459-467, 2022 (Peer-Reviewed Journal)

IV. **Gliom Gelişiminde Genetik Yatkınlığın Rolü**
OKTAY Y., AKYERLİ BOYLU C., ÖZDUMAN K.
Türk Nöroşirürji dergisi, vol.27, no.2, pp.122-130, 2017 (Peer-Reviewed Journal)

Books

I. **Metabolomiks ve Uygulamaları**

Oktay Y.
in: Moleküler Biyoloji ve Genetik: Sağlık Alanında ve Biyoteknoloji İleri Uygulamalar, Prof. Dr. Mustafa Solak, Editor, Türkiye Bilimler Akademisi, Ankara, pp.311-320, 2023

II. **Medical Genetics**
OKTAY Y., AĞIRBAŞLI D., Dalva Aydemir S., AKYERLİ BOYLU C., MÜFTÜOĞLU M., YAKICIER M. C.
in: Current Applications of Biotechnology, , Editor, Kayseri Üniversitesi - mgroup, Kayseri, pp.299-317, 2015

III. **Fonksiyonel Genomik**
YAKICIER M. C., AĞIRBAŞLI D., AKYERLİ BOYLU C., OKTAY Y.
in: Moleküler Üroloji, Türkeri L, Özer A, Narter F, Editor, Üroonkoloji Derneği, İstanbul, İstanbul, pp.191-203, 2012

IV. **The function of TIM22 in the insertion of inner membrane proteins in mitochondria.**
OKTAY Y., Rainey R., Koehler C. M.
in: The Enzymes Molecular Machines Involved in Protein Trasnport across Membrane, Dalbey, R. E., Koehler, C. M., and Tamanoi, F. , Editor, Elsevier Inc., pp.367-386, 2007

Papers Published in Refereed Scientific Meetings

I. **Investigation of the Effects of Mutations in the FYR Module of Kabuki Syndrome-Associated KMT2D Gene on Protein Interactions and Chromatin Organization**
Özden Yılmaz G., Yılmazbilek İ., Ölmez Türker A., Ozkan Kucuk N. E., ÖZLÜ SICAKKAN N., KARAKÜLAH G., KARACA EREK E., OKTAY Y., HIZ A. S., ŞENTÜRK Ş., et al.
9th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 12 - 14 September 2024

II. **Integrative analyses to identify candidate causal genes for bipolar 2 disorder**
Bakir E., Can G., OKTAY Y.
26th Annual Conference of the International-Society-for-Bipolar-Disorders (ISBD), Reykjavik, Iceland, 29 September - 01 October 2024, pp.127

III. **Mutant PTPMT1 disrupts cardiolipin metabolism and mitochondrial bioenergetics leading to a neurodevelopmental syndrome**
Falabella M., Pizzamiglio C., Tabara L. C., Munro B., Abdel-Hamid M. S., Sonmezler E., Macken W. L., Lu S., Tilokani L., Flannery P. J., et al.
22nd European Bioenergetics Conference (EBEC), Innsbruck, Austria, 26 - 31 August 2024, pp.103

IV. **Modelling the earliest stages of gliomagenesis using iNPCs in a three-dimensional alginate-based matrix**
Ekinci B., Yaras T., OKTAY Y.
55th European-Society-of-Human-Genetics (ESHG) Conference, Vienna, Austria, 11 - 14 June 2022, pp.658

V. **Epigenomic and transcriptomic analysis of the intrinsic and extrinsic molecular mechanisms at the earliest stages of gliomagenesis in precancerous cell models**
Yaras T., Ekinci B., Diler E., OKTAY Y.
55th European-Society-of-Human-Genetics (ESHG) Conference, Vienna, Austria, 11 - 14 June 2022, pp.658-659

VI. **Developing Combinatorial Therapies Towards Gliomas by Network-Based Analysis of Whole Transcriptome Data**
Öztoprak F., IŞIK Z., OKTAY Y.
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VII. **Unexpected genetic diagnosis of mitochondrial disease in three consanguineous Turkish families**
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OKTAY Y.
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XII. **Sample transport, registration and sample processing**
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XIV. **GLİOMA İLİŞKİLİ 8Q24.21 'DE LOKALİZE RS55705857 TEK NÜKLEOTİD POLİMORFİZMİNİN FONKSİYONEL ANALİZİ**
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XV. **Kodlanmayan genom varyantlarının biyolojisi ve fonksiyonel anlamlandırılması**
OKTAY Y.
XV. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Muğla, Turkey, 26 - 29 October 2017

XVI. **Biyobelirteçler ve Omiks**
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XX. **An Integrated approach to gliomas From epidemiology to omics based analyses of tumors**
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Oktay Y., Direk Tecirli N., TUBITAK Project, Majör Depresif Bozuklukta Kardiyovasküler Risk, İnflamatuar Süreçler ve Hastalık Başlangıç Yaşı İlişkisinin Araştırılması, 2019 - 2020

Hız A. S., Oktay Y., Yiş U., Arslan N., Güngör S., Yaramış A., Lochmuller H., Horvath R., Newton Programme Project,

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Oktay Y., Alkın T., TUBITAK Project, Obsesif-Kompülsif Bozukluk ile NLRP3 İnflamazom Aktivitesi İlişkinin Araştırılması, 2018 - 2019
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Oktay Y., Öz Arslan D., TUBITAK Project, Kardiyolipin ve otofaji arasındaki ilişkinin incelenmesi, 2013 - 2015

Activities in Scientific Journals

TURKISH JOURNAL OF BIOLOGY, Editor, 2023 - 2023

Memberships / Tasks in Scientific Organizations

TÜBA Genç Akademi, Member, 2021 - Continues, Turkey

Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023

Metrics

Publication: 87
Citation (WoS): 2121
Citation (Scopus): 2204
H-Index (WoS): 13
H-Index (Scopus): 14

Congress and Symposium Activities

59th National Psychiatry Congress, Invited Speaker, Ankara, Turkey, 2023
Acıbadem Üniversitesi, A Look into Science Kongresi, Tedavi Evrimi: Cerrahi ve Girişimsel Yaklaşımlar, Invited Speaker, İstanbul, Turkey, 2023
"International Centre for Genomic Medicine in Neuromuscular Diseases" (ICGNMD) yürütücüler yıllık toplantısı, Working Group, London, England, 2023
17th International Child Neurology Congress, Invited Speaker, Antalya, Turkey, 2022
Conference on Neurodevelopmental Disorders , Invited Speaker, Skopje, Macedonia, 2022
European Society of Human Genetics 2022 Conference, Attendee, Vienna, Austria, 2022