

# Prof. Osman Uğur SEZERMAN

## Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 179796

## Education Information

1985 - 1987	Doctorate, Boston University, Biyomedikal Mühendisliği, United States Of America
1985 - 1987	Postgraduate, Bogazici University, Institute Of Biomedical Engineering, Department Of Biomedical Electronics, Turkey
1981 - 1985	Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey

## Research Areas

Microbiology, bioinformatics, Artificial Intelligence, Computer Learning and Pattern Recognition, Bioinformatics

## Courses

### Doctorate

2016 - 2017, 2015 - 2016	İleri Biyoenformatik
2016 - 2017, 2015 - 2016	İleri Hesaplamalı Biyoloji
2016 - 2017	İleri Biyoistatistik 2
2016 - 2017	İleri Biyoistatistik

### Postgraduate

2016 - 2017	Biyostatistik
2016 - 2017, 2015 - 2016	Hesaplamalı Biyoloji
2016 - 2017, 2015 - 2016	Biyoenformatik

### Undergraduate

2016 - 2017	Medikal Enformatik ve Biyoistatistik
2016 - 2017	İşlemsel Omik veri Analizi
2015 - 2016	Medikal Enformatik

## Published journal articles indexed by SCI, SSCI, and AHCI

1. A collaborative network analysis for the interpretation of transcriptomics data in Huntington's disease.  
Ozisik O., Kara N. S., Abbassi-Daloi T., Térézol M., Kuijper E. C., Queralt-Rosinach N., Jacobsen A., Sezerman O. U., Roos M., Evelo C. T., et al.

Scientific reports, vol.15, no.1, pp.1412, 2025 (SCI-Expanded)

- II. **Multilocus pathogenic variants contribute to intrafamilial clinical heterogeneity: a retrospective study of sibling pairs with neurodevelopmental disorders**  
Bozkurt-Yozgatli T., Pehlivan D., Gibbs R. A., SEZERMAN O. U., Posey J. E., Lupski J. R., Coban-Akdemir Z.  
BMC MEDICAL GENOMICS, vol.17, no.1, 2024 (SCI-Expanded)
- III. **Proteomics profiling and machine learning in nusinersen-treated patients with spinal muscular atrophy**  
Panicucci C., Sahin E., Bartolucci M., Casalini S., Brolatti N., Pedemonte M., Baratto S., Pintus S., Principi E., D'Amico A., et al.  
CELLULAR AND MOLECULAR LIFE SCIENCES, vol.81, no.1, 2024 (SCI-Expanded)
- IV. **A microdeletion event at 19q13.43 in IDH-mutant astrocytomas is strongly correlated with MYC overexpression**  
Ulgen E., Gerlevik U., Gerlevik S., OKTAY Y., SEZERMAN O. U., Turcan S., ÖZDUMAN K.  
ACTA NEUROPATHOLOGICA COMMUNICATIONS, vol.12, no.1, 2024 (SCI-Expanded)
- V. **Microbiota alterations are related to migraine food triggers and inflammatory markers in chronic migraine patients with medication overuse headache**  
VURALLI D., Ceren Akgor M., Dagidir H. G., Onat P., YALINAY A. M., SEZERMAN O. U., BELEN H. B.  
JOURNAL OF HEADACHE AND PAIN, vol.25, no.1, 2024 (SCI-Expanded)
- VI. **Adaptation to space conditions of novel bacterial species isolated from the International Space Station revealed by functional gene annotations and comparative genome analysis**  
Szydowski L. M., Bulbul A. A., Simpson A. C., Kaya D. E., Singh N. K., Sezerman U. O., Labaj P. P., Kosciolk T., Venkateswaran K.  
MICROBIOME, vol.12, no.1, 2024 (SCI-Expanded)
- VII. **Identification of potential antigenic proteins and epitopes for the development of a monkeypox virus vaccine: an in silico approach**  
AKTAŞ E., SEZERMAN O. U., Ozer M., KIRBOĞA K. K., Koseoglu A. E., Ozgenturk N. O.  
MOLECULAR DIVERSITY, 2024 (SCI-Expanded)
- VIII. **Investigation of the Impact of Antibiotic Administration on the Preterm Infants' Gut Microbiome Using Next-Generation Sequencing-Based 16S rRNA Gene Analysis**  
Aktas A., Ekren B. Y., YAŞA B., SEZERMAN O. U., NAKİPOĞLU Y.  
ANTIBIOTICS-BASEL, vol.13, no.10, 2024 (SCI-Expanded)
- IX. **The Potential Role of Boron in the Modulation of Gut Microbiota Composition: An In Vivo Pilot Study**  
Senturk N. B., Kasapoglu B., Sahin E., Ozcan O., OZANSOY M., Ozansoy M. B., Siyah P., SEZERMAN O. U., Sahin F.  
PHARMACEUTICALS, vol.17, no.10, 2024 (SCI-Expanded)
- X. **RNA methylation sequencing shows different gene expression signatures for response to azacytidine therapy in high-grade myelodysplastic syndromes**  
Gulei D., Moisoiu V., Kegyes D., Drula R., Iluta S., Tigu A. B., Nistor M., Jitaru C., Bancos A., Rotariu P., et al.  
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- XI. **Identification of an epilepsy-linked gut microbiota signature in a pediatric rat model of acquired epilepsy**  
Riva A., Sahin E., Volpedo G., Petretto A., Lavarello C., Di Sapia R., Barbarossa D., Zaniani N. R., Craparotta I., Barbera M. C., et al.  
NEUROBIOLOGY OF DISEASE, vol.194, 2024 (SCI-Expanded)
- XII. **Var3PPred: variant prediction based on 3-D structure and sequence analyses of protein-protein interactions on autoinflammatory diseases**  
Bülbul A., TİMUÇİN E., TİMUÇİN A. C., SEZERMAN O. U., TAHİR TURANLI E.  
PeerJ, vol.12, no.5, 2024 (SCI-Expanded)
- XIII. **Longitudinal non-targeted metabolomic profiling of urine samples for monitoring of kidney transplantation patients**  
Yozgat I., Cakır Ü., Serdar M. A., Sahin S., Sezerman O. U., Nemutlu E., Baykal A. T., Serteser M.  
RENAL FAILURE, vol.46, no.1, 2024 (SCI-Expanded)

- XIV. **Effect of the switch status of *Helicobacter pylori* outer inflammatory protein A on gastric diseases**  
ÖKTEM OKULLU S., Karaman T., Akcelik-Deveci S., TİMUÇİN E., SEZERMAN O. U., Mansur-Ozen N., Buyukcolak Y., TIFTIKCI A.  
AMB EXPRESS, vol.13, no.1, 2023 (SCI-Expanded)
- XV. **Identification of Molecular and Genetic Resistance Mechanisms in a *Candida auris* Isolate in a Tertiary Care Center in Turkiye**  
ERTÜRK ŞENGEL B., Ekren B. Y., SAYIN E., Cerikcioglu N., SEZERMAN O. U., ODABAŞI Z.  
MYCOPATHOLOGIA, vol.188, pp.929-936, 2023 (SCI-Expanded)
- XVI. **Phenotype screens of murine pancreatic cancer identify a Tgf- $\alpha$ -Ccl2-paxillin axis driving human-like neural invasion**  
Wang X., Istvanffy R., Ye L., Teller S., Laschinger M., Diakopoulos K. N., Görgülü K., Li Q., Ren L., Jäger C., et al.  
JOURNAL OF CLINICAL INVESTIGATION, vol.133, no.21, 2023 (SCI-Expanded)
- XVII. **Nosocomial infection of *C. auris* in COVID-19 Intensive Care Unit in Turkiye and Phylogenetic Analysis of Isolates**  
ERTÜRK ŞENGEL B., Ekren B. Y., SAYIN E., TİGEN E., Seydaliyeva A., Cerikcioglu N., Cinel I., KORTEN V., SEZERMAN O. U., ODABAŞI Z.  
MYCOPATHOLOGIA, vol.188, pp.765-773, 2023 (SCI-Expanded)
- XVIII. **Microbiota Changes in Hodgkin and Non-Hodgkin Lymphoma Treatment: Assessment With Il-17 and Il-12 Levels**  
Gurer E. E., BEŞİŞİK S., SEZERMAN O. U., ERDEM F., OĞUZ F., Tiryaki T. O., Kuruca D. S., Gunel G., ERDEM F., ÖNCÜL M. O.  
CLINICAL LYMPHOMA MYELOMA & LEUKEMIA, 2023 (SCI-Expanded)
- XIX. **Metabolic pathways of potential miRNA biomarkers derived from liquid biopsy in epithelial ovarian cancer**  
GÜMÜŞOĞLU ACAR E., GÜNEL T., Hosseini M. K., DOĞAN B., Tekarslan E. E., Gurdamar B., Cevik N., SEZERMAN O. U., TOPUZ S., Aydinli K.  
ONCOLOGY LETTERS, vol.25, no.4, 2023 (SCI-Expanded)
- XX. **Corneal bacterial microbiome in patients with keratoconus using next-generation sequencing-based 16S rRNA gene analysis**  
Tunc U., ÇELEBİ A. R. C., Ekren B. Y., Yildirim Y., Yildiz B. K., ÖKTEM OKULLU S., SEZERMAN O. U.  
EXPERIMENTAL EYE RESEARCH, vol.228, 2023 (SCI-Expanded)
- XXI. **Metabolomic Analyses to Identify Candidate Biomarkers of Cystinosis**  
NEMUTLU E., ÖZALTIN F., Yabanoglu-Ciftci S., GÜLHAN B., EYLEM C. C., BAYSAL İ., Gok-Topak E. D., ULUBAYRAM K., SEZERMAN O. U., UÇAR G., et al.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.24, no.3, 2023 (SCI-Expanded)
- XXII. **PANACEA: network-based methods for pharmacotherapy prioritization in personalized oncology**  
Ulgen E., Ozisik O., SEZERMAN O. U.  
BIOINFORMATICS, no.1, 2023 (SCI-Expanded)
- XXIII. **Gene pathway analysis of the endometrium at the start of the window of implantation in women with unexplained infertility and unexplained recurrent pregnancy loss: is unexplained recurrent pregnancy loss a subset of unexplained infertility?**  
Keleş I. D., GÜNEL T., Özgör B. Y., Ülgen E., GÜMÜŞOĞLU ACAR E., Hosseini M. K., SEZERMAN O. U., Buyru F., Yeh J., Baştu E.  
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- XXIV. **Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?**  
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FRONTIERS IN MICROBIOLOGY, vol.14, 2023 (SCI-Expanded)
- XXV. **Brave new surfactant world revisited by thermoalkalophilic lipases: computational insights into the role of SDS as a substrate analog**  
Shehata M., Unlu A., Iglesias-Fernandez J., Osuna S., SEZERMAN O. U., TİMUÇİN E.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.25, no.3, pp.2234-2247, 2022 (SCI-Expanded)

- XXVI. **NOVEL SYNDROME: CRANIOFACIAL AND CENTRAL NERVOUS SYSTEM MALFORMATIONS, AND ATYPICAL HEMOLYTIC UREMIC SYNDROME ASSOCIATED WITH TSEN2 MUTATION**  
Canpolat N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et al.  
PEDIATRIC NEPHROLOGY, no.11, pp.2814, 2022 (SCI-Expanded)
- XXVII. **CANDIDATE BIOMARKER(S) FOR CYSTINOSIS WITH OMIC-BASED TECHNOLOGY: FROM LABORATORY TO BED-SIDE**  
NEMUTLU E., EYLEM C. C., GÜLHAN B., BAYSAL İ., Yabanoglu-Ciftci S., Kir S., ULUBAYRAM K., UÇAR G., SEZERMAN O. U., ÖZALTIN F., et al.  
PEDIATRIC NEPHROLOGY, no.11, pp.2831, 2022 (SCI-Expanded)
- XXVIII. **Colibactin possessing *E. coli* isolates in association with colorectal cancer and their genetic diversity among Pakistani population**  
Tariq H., Noreen Z., Ahmad A., Khan L., Ali M., Malik M., Javed A., Rasheed F., Fatima A., KOCAGÖZ Z. T., et al.  
PLOS ONE, vol.17, no.11 November, 2022 (SCI-Expanded)
- XXIX. **Is cutaneous microbiota a player in disease pathogenesis? Comparison of cutaneous microbiota in psoriasis and seborrheic dermatitis with scalp involvement**  
Kayiran M. A., Sahin E., Kocoglu E., SEZERMAN O. U., Gurel M. S., Karadag A. S.  
INDIAN JOURNAL OF DERMATOLOGY VENEREOLOGY & LEPROLOGY, vol.88, no.6, pp.738-748, 2022 (SCI-Expanded)
- XXX. **Investigating the role of common and rare variants in multiplex multiple sclerosis families reveals an increased burden of common risk variation**  
Everest E., Ahangari M., Uygunoglu U., Tutuncu M., Bulbul A., Saip S., Duman T., SEZERMAN O. U., Reich D. S., Riley B. P., et al.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- XXXI. **A recursive molecular docking coupled with energy-based pose-rescoring and MD simulations to identify hsGC beta H-NOX allosteric modulators for cardiovascular dysfunctions**  
Khalid R. R., Maryam A., Cinaroglu S. S., Siddiqi A. R., SEZERMAN O. U.  
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- XXXII. **Computational analysis of missense filamin-A variants, including the novel p.Arg484Gln variant of two brothers with periventricular nodular heterotopia**  
Gerlevik U., Saygi C., Cangül H., Kutlu A., Çaralan E. F., Topçu Y., Özören N., SEZERMAN O. U.  
PLOS ONE, vol.17, no.5 5, 2022 (SCI-Expanded)
- XXXIII. **Microbiota and Kegg analysis after allogeneic stem cell transplantation for hematological malignancies**  
Gurer E. E., OĞUZ F., AKTAŞ Z., BEŞİŞİK S., Sezerman U., ÖNCÜL M. O., Gulbas Z.  
HLA, no.5, pp.499, 2022 (SCI-Expanded)
- XXXIV. **Understanding the Role of the Microbiome in Cancer Diagnostics and Therapeutics by Creating and Utilizing ML Models**  
Cekikj M., Jakimovska Özdemir M., Kalajdzhiski S., Özcan O., SEZERMAN O. U.  
Applied Sciences (Switzerland), vol.12, no.9, 2022 (SCI-Expanded)
- XXXV. **Structural analysis of M1AP variants associated with severely impaired spermatogenesis causing male infertility**  
Gerlevik U., Ergoren M. C., SEZERMAN O. U., TEMEL Ş. G.  
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- XXXVI. **A splice site mutation in the TSEN2 causes a new syndrome with craniofacial and central nervous system malformations, and atypical hemolytic uremic syndrome**  
CANPOLAT N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et al.  
CLINICAL GENETICS, vol.101, pp.346-358, 2022 (SCI-Expanded)
- XXXVII. **Identifying and elucidating the roles of Y198N and Y204F mutations in the PAH enzyme through molecular dynamic simulations.**

- Aslan T., Yenenler-Kutlu A., Gerlevik U., Aktuglu Zeybek A. Ç., Kıyıkım E., Sezerman O. U., Birgül İyison N.  
Journal of biomolecular structure & dynamics, vol.40, no.19, pp.9018-9029, 2022 (SCI-Expanded)
- XXXVIII. **RDDSVM: accurate prediction of A-to-I RNA editing sites from sequence using support vector machines**  
Tac H. A., Koroglu M., SEZERMAN O. U.  
FUNCTIONAL & INTEGRATIVE GENOMICS, vol.21, no.5-6, pp.633-643, 2021 (SCI-Expanded)
- XXXIX. **Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination of senescent cancer cells.**  
Le H. H., Cinaroglu S. S., Manalo E. C., Ors A., Gomes M. M., Duan Sahbaz B., Bonic K., Origel Marmolejo C. A., Quentel A., Plaut J. S., et al.  
EBioMedicine, vol.73, pp.103646, 2021 (SCI-Expanded)
- XL. **A framework for validating AI in precision medicine: considerations from the European ITFoC consortium**  
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BMC MEDICAL INFORMATICS AND DECISION MAKING, vol.21, no.1, 2021 (SCI-Expanded)
- XLI. **Bridging the Bridging Imidazolate in the Bimetallic Center of the Cu/Zn SOD1 and ALS**  
TİMÜÇİN A. C., Cinaroglu S. S., SEZERMAN O. U., TİMÜÇİN E.  
FRONTIERS IN CHEMISTRY, vol.9, 2021 (SCI-Expanded)
- XLII. **Investigation of multiple sclerosis-related pathways through the integration of genomic and proteomic data**  
Everest E., Ulgen E., UYGUNOĞLU U., TÛTÛNCÛ M., SAİP S., SEZERMAN O. U., SİVA A., TAHİR TURANLI E.  
PEERJ, vol.9, 2021 (SCI-Expanded)
- XLIII. **Microbiota analysis in allogeneic stem cell transplant patients with in AML and MDS**  
Gurer E. E., OĞUZ F., AKTAŞ Z., BEŞİŞİK S., ÖNCÛL M. O., SEZERMAN O. U., Ekren B., Caliskan K., Gulbas Z.  
EUROPEAN JOURNAL OF IMMUNOLOGY, pp.326, 2021 (SCI-Expanded)
- XLIV. **Re-analysis of whole-exome sequencing data reveals a novel splicing variant in the SLC2A1 in a patient with GLUT1 Deficiency Syndrome 1 accompanied by hemangioma: a case report**  
Bozkurt T., ALANAY Y., ISIK U., SEZERMAN O. U.  
BMC MEDICAL GENOMICS, vol.14, no.1, 2021 (SCI-Expanded)
- XLV. **A global metagenomic map of urban microbiomes and antimicrobial resistance**  
Danko D., Bezdan D., Afshin E. E., Ahsanuddin S., Bhattacharya C., Butler D. J., Chng K. R., Donnellan D., Hecht J., Jackson K., et al.  
CELL, vol.184, no.13, pp.3376-3410, 2021 (SCI-Expanded)
- XLVI. **Endometrial gene expression profiling of recurrent implantation failure after in vitro fertilization**  
Albayrak I. G., Azhari F., Colak E. N., Balci B. K., Ulgen E., SEZERMAN O. U., Bastu E., Gunel T.  
MOLECULAR BIOLOGY REPORTS, vol.48, no.6, pp.5075-5082, 2021 (SCI-Expanded)
- XLVII. **driveR: a novel method for prioritizing cancer driver genes using somatic genomics data**  
Ulgen E., SEZERMAN O. U.  
BMC BIOINFORMATICS, vol.22, no.1, 2021 (SCI-Expanded)
- XLVIII. **Base-excess chloride; the best approach to evaluate the effect of chloride on the acid-base status: A retrospective study.**  
Gucyetmez B., Tuzuner F., Atalan H. K., Sezerman U., Gucyetmez K., Telci L.  
PloS one, vol.16, 2021 (SCI-Expanded)
- XLIX. **Sequential filtering for clinically relevant variants as a method for clinical interpretation of whole exome sequencing findings in glioma**  
Ûlgen E., Can Ö., Bilguvar K., Akyerli Boylu C., Kılıçturgay Yüksel Ş., Erşen Danyeli A., Sezerman O. U., Yakıcıer M. C., Pamir M. N., Özduman K.  
BMC MEDICAL GENOMICS, vol.14, no.1, 2021 (SCI-Expanded)
- L. **The importance of dysregulated miRNAs on ovarian cysts and epithelial ovarian cancer**  
Gumusoglu E., Gunel T., Hosseini M. K., Seymen N., Senol T., SEZERMAN O. U., Topuz S., Aydinli K.

EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, vol.42, no.1, pp.66-72, 2021 (SCI-Expanded)

- LI. **A comprehensive study on identifying the structural and functional SNPs of human neuronal membrane glycoprotein M6A (GPM6A)**  
Khalid Z., SEZERMAN O. U.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.39, no.8, pp.2693-2701, 2021 (SCI-Expanded)
- LII. **CogNet: classification of gene expression data based on ranked active-subnetwork- oriented KEGG pathway enrichment analysis**  
Yousef M., Ulgen E., SEZERMAN O. U.  
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- LIII. **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.  
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- LIV. **Lipase and Water in a Deep Eutectic Solvent: Molecular Dynamics and Experimental Studies of the Effects of Water-In-Deep Eutectic Solvents on Lipase Stability.**  
Shehata M., Unlu A., Sezerman U., Timucin E.  
The journal of physical chemistry. B, vol.124, pp.8801-8810, 2020 (SCI-Expanded)
- LV. **Intraoperative Neuromonitoring of Blink Reflex During Posterior Fossa Surgeries and its Correlation With Clinical Outcome.**  
Aydinlar E., Kocak M., Soykam H., Mat B., Dikmen P., Sezerman O., Elmaci I., Pamir M.  
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- LVI. **Analysis of Correlation between the Seven Important Helicobacter pylori (H. pylori) Virulence Factors and Drug Resistance in Patients with Gastritis**  
ÖKTEM OKULLU S., Cekic-Kipritci Z., Kilic E., Seymen N., Mansur-Ozen N., SEZERMAN O. U., GÜROL Y.  
GASTROENTEROLOGY RESEARCH AND PRACTICE, vol.2020, 2020 (SCI-Expanded)
- LVII. **Progesterone at high doses reduces the growth of U87 and A172 glioblastoma cells: Proteomic changes regarding metabolism and immunity**  
Altinoz M., Ucal Y., Yilmaz M., Kiris İ., Ozisik O., Sezerman U., Ozpinar A., Elmaci I.  
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- LVIII. **Response Assessment With Molecular Characterization of Circulating Tumor Cells and Plasma MicroRNA Profiling in Patients With Locally Advanced Breast Cancer During Neoadjuvant Chemotherapy**  
AKKİPRİK M., Koca S., UĞURLU M. Ü., Ekren R., PEKER EYÜBOĞLU İ., Alan O., ERZİK C., GÜLLÜ AMURAN G., Telli T. A., GÜLLÜOĞLU M. B., et al.  
CLINICAL BREAST CANCER, vol.20, no.4, pp.332-346, 2020 (SCI-Expanded)
- LIX. **High-throughput profiling reveals perturbation of endoplasmic reticulum stress-related genes in atherosclerosis induced by high-cholesterol diet and the protective role of vitamin E**  
Bozaykut P., Ekren R., SEZERMAN O. U., Gladyshev V. N., Ozer N. K.  
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- LX. **Probing the Structural Dynamics of the Catalytic Domain of Human Soluble Guanylate Cyclase.**  
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- LXI. **Cartography of opportunistic pathogens and antibiotic resistance genes in a tertiary hospital environment**  
Chng K. R., Li C., Bertrand D., Ng A. H. Q., Kwah J. S., Low H. M., Tong C., Natrajan M., Zhang M. H., Xu L., et al.  
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- LXII. **Understanding thermal and organic solvent stability of thermoalkalophilic lipases: insights from computational predictions and experiments.**  
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- LXIII. **HriGFP Novel Fluorescent Protein: Expression and Applications**  
Saeed S., Mehreen H., Gerlevik U., Tariq A., Manzoor S., Noreen Z., Sezerman U., Bokhari H.  
MOLECULAR BIOTECHNOLOGY, vol.62, no.5, pp.280-288, 2020 (SCI-Expanded)
- LXIV. **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., Yakicier M. C., Sezerman O. U., Pamir M. N., Ozduman K.  
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- LXV. **A harmonized meta-knowledgebase of clinical interpretations of somatic genomic variants in cancer.**  
Wagner A. H., Walsh B., Mayfield G., Tamborero D., Sonkin D., Krysiak K., Deu-Pons J., Duren R. P., Gao J., McMurry J., et al.  
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- LXVI. **Comparison of endometrial prostanoid profiles in three infertile subgroups: the missing part of receptivity?**  
Keles I. D., Ulgen E., Erkan M. B., ÇELİK S. E., AYDIN Y., ÖNEM A. N., Kandemir H., Arslanoglu T., APAK M. R., SEZERMAN O. U., et al.  
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- LXVII. **Adaptive phenotypic modulations lead to therapy resistance in chronic myeloid leukemia cells**  
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- LXVIII. **SARS-CoV-2 isolation and propagation from Turkish COVID-19 patients**  
Taştan C., Yurtsever B., Sir K., Dilek K., Demir S., Abanuz S., Seyİs U., Yildirim M., Kuzay R., Ellbol Ö., et al.  
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- LXIX. **Investigation of base excision repair gene variants in late-onset Alzheimer's disease.**  
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- LXX. **Prediction and classification for GPCR sequences based on ligand specific features**  
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- LXXV. **Protein Structural Class Determination Using Support Vector Machines**  
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- LXXIX. **PROBLEMS AND PROGRESS IN COMPUTATIONAL APPROACHES TO THE MOLECULAR-BASIS OF RECOGNITION**  
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## Supported Projects

Continues	Biyolojik Ve Bilgisayar Ağı Anomalilerinin Etkilerinin İncelenmesi İçin Skolama Sistemi Geliştirilmesi, TUBITAK Project
Continues	Üçlü Negatif Lokal İleri Meme Kanserinde Neoadjuvan Tedavi Sonrası Yanıt İle İlişkili Moleküler Yolakların Araştırılması Ve Skolama Sistemi Geliştirilmesi, TUBITAK Project
2019 - 2026	Kişisel Tıp Uygulamaları İçin Bulut Tabanlı Veri Analiz Algoritmaları ve Platformu Geliştirilmesi, TUBITAK Project
2024 - 2025	Safra Kesesi Taşı Bulunan ve Bulunmayan Hastalar Arasındaki Mikrobiyom Farklılıkların Belirlenmesi ve Safra Kesesi Taşı Oluşumuna Etki Eden Biyomarkerların Tespit Edilmesi, Project Supported by Higher Education Institutions
2021 - 2024	Yaşlanma ve Kanser Direncine Sahip Kör Farelerde Hücresel Strese Karşı Geliştirilen Moleküler ve Epigenetik Mekanizmaların 3 Boyutlu Organoid Kültürlerinde Araştırılması, TUBITAK Project
2022 - 2023	LAMP Tabanlı Tükürükten SMA Tarama Kiti Geliştirilmesi, Research Project of the Presidency of Turkey Health Institutes (TÜSEB)
2020 - 2023	Akciğer Kanseri Tanısı Almış Ve Şüpheli Hasta Gruplarının Ardışık Tükürük Ve Gaita Örneklerinde Karşılaştırılmalı Mikrobiyota Ve Lipidomik Analizler, TÜBİTAK International Bilateral Joint Cooperation Program Project

2020 - 2023	Türkiye'deki Primer Siliyer Diskinezi (PSD) hastaları için tanı metotlarının geliştirilmesi ve uygun gen panellerinin oluşturulması, TUBITAK Project
2020 - 2023	Deciphering and Targeting Neural Invasion in Pancreatic Cancer, TUBITAK Project
2019 - 2023	European Research Program on Rare Diseases, EU Framework Program Project
2021 - 2022	Çeşitli Candida Türlerinin Hızlı Tespiti İçin Tanı Kiti Oluşturma, KOSGEB
2020 - 2022	Türkiye'deki Primer Siliyer Diskinezi (PSD) Hastaları için Tanı Metotlarının Geliştirilmesi ve Uygun Gen Panellerinin Oluşturulması, TUBITAK Project
2019 - 2022	EJP RD, H2020 Project
2021 - 2021	IMPECABL, H2020 Project
2021 - 2021	The Menopause Vulnerability Fingerprint: towards personalising the menopause interventions in the daily life MAUVE, H2020 Project
2021 - 2021	Diagnostic platform for early, reliable and rapid detection of coronaviruses (STRIVE), EU Supported Other Project
2021 - 2021	Yaşlanma ve kanser direncine sahip kör farelerde hücresel strese karşı geliştirilen moleküler ve epigenetik mekanizmaların hücre kültürü ve 3 boyutlu organoid kültürlerinde araştırılması, TUBITAK Project
2021 - 2021	Türkiye'de SARS-cov 2 tüm genom dizilerinin elde edilmesi ve bunları hızlı, hassas bir şekilde tanımak için LAMP tabanlı kit tasarımı, TUBITAK Project
2017 - 2020	Üçlü Negatif Lokal İleri Meme Kanseri Neoadjuvan Tedaviye Yanıtın Matematiksel Modeller Ve Hayvan Deneyleriyle Tespit Edilmesi, TUBITAK Project
2016 - 2019	Bacillus Thermocatenulatus Lipazının (Btl2) Endüstriyel Uygulamalarda Kullanılmaya Hazır Protein Mühendisliği Yöntemleri ile Organik Çözücüler İçerisinde Daha İyi Çalışır Hale Gelmesinin Sağlanması, Other International Funding Programs
2016 - 2019	In vitro ve In silico yöntemlerin kombinasyonu ile hedeflendirilmiş anti kanser ilacı gönderilmesi için peptid tasarımı, Other International Funding Programs
2015 - 2018	Kolon Kanseri Etiyolojisindeki Epigenetik Ve Diğer Faktörler İle Bu Faktörlerin Hedeflediği Önemli Yolakların Belirlenmesi, Other International Funding Programs
2013 - 2015	DNA Karma Yöntemi İle Endüstriyel Uygulamalar İçin Farklı Lipaz Ve Selülaz Veritabanı Ve Kütüphanesinin Oluşturulması, Other International Funding Programs
2010 - 2013	Investigation of the IL-7 Cytokine Receptor (IL-7R) Gene Control Mechanism, TUBITAK Project

## Metrics

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