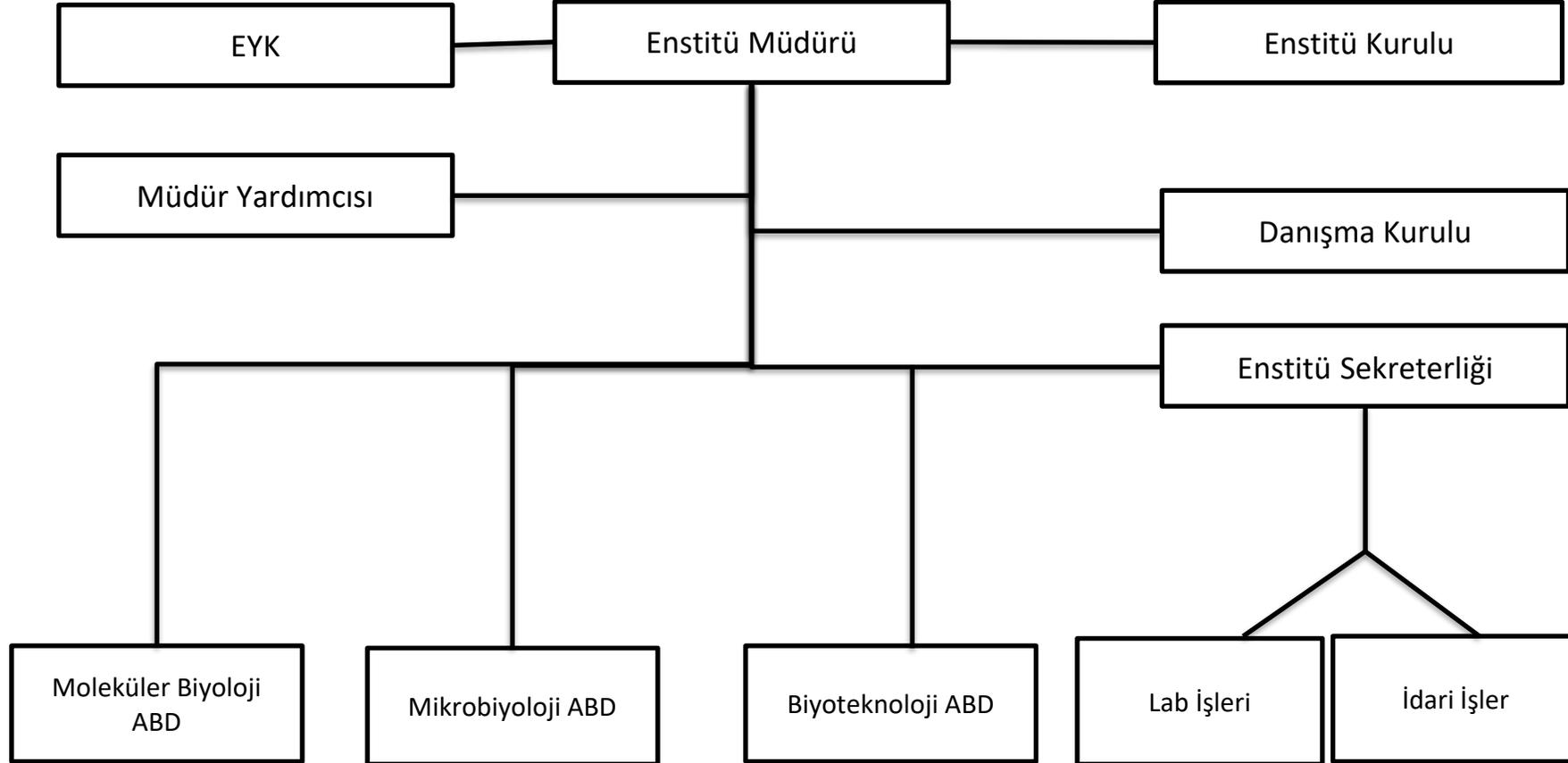


# Beykoz Yaşam Bilimleri ve Biyoteknoloji Enstitüsü 2025 Faaliyet Raporu

Fakülte/Bölüm/Program:

**Beykoz Yaşam Bilimleri ve Biyoteknoloji Enstitüsü**







**Ahmet Cingöz**



**Caner Çağlar**



**Şükrü Anıl Doğan**



**Mehmet Z. Doymaz**



**Şeref Gül**



**M. Aziz Hatiboğlu**



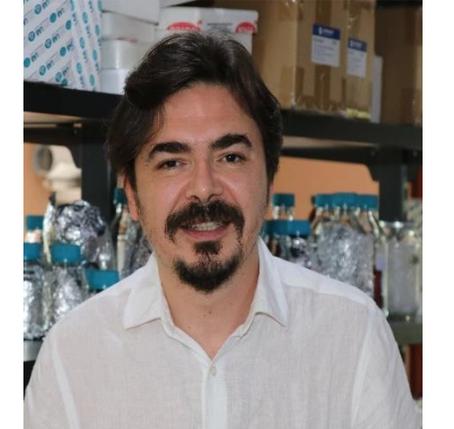
**M. Asif Khan**



**O. Emre Onat**



**Matteen Rafiqi**



**Serdar Uysal**

Öğr. Üyesi	Eğitim	Alan
<b>Ahmet Cingöz, PhD</b> <a href="mailto:ahmet.cingoz@bezmialem.edu.tr">ahmet.cingoz@bezmialem.edu.tr</a> 0 505 325 7946	<ul style="list-style-type: none"><li>B.Sc; Istanbul University</li><li>M.Sc.; Marmara University and</li><li>Ph.D. ; Koç University</li><li>Post-Doc; <b>Harvard University</b></li></ul>	Cancer Biology Therapy resistance mechanisms in brain tumors and cancer metabolism.
<b>Caner Çağlar, PhD</b> <a href="mailto:mzdoymaz@bezmialem.edu.tr">mzdoymaz@bezmialem.edu.tr</a> 0 530 135 1055	<ul style="list-style-type: none"><li>BSc; Bilkent University,</li><li>PhD; <b>Rockefeller University</b></li></ul>	Neuroscience Neural basis of feeding related behaviours
<b>Şükrü Anıl Doğan, PhD</b> <a href="mailto:anil.dogan@bezmialem.edu.tr">anil.dogan@bezmialem.edu.tr</a> 0 533 351 3679	<ul style="list-style-type: none"><li>B.Sc; Middle East Technical University (METU)</li><li>M.Sc.; Middle East Technical University (METU)</li><li>Ph.D. ; Universität zu Köln</li><li>Post-Doc; <b>University of Cambridge</b></li></ul>	Molecular Biology Role of mitochondria in health, disease, metabolism & aging
<b>Mehmet Doymaz, PhD</b> <a href="mailto:mzdoymaz@bezmialem.edu.tr">mzdoymaz@bezmialem.edu.tr</a> 0 505 575 5365	<ul style="list-style-type: none"><li>BSc; Ankara University,</li><li>MSc+PhD; University of Tennessee,</li><li>Post-Doc; Mount Sinai Sch Med.</li><li>Fellowship; <b>Univ. California, Los Angeles</b></li></ul>	Microbiology/Virology/Immunology Immunology and Virology of Crimean Congo-Hemorrhagic Fever Virus Proteins
<b>Şeref Gül, PhD</b> <a href="mailto:seref.gul@bezmialem.edu.tr">seref.gul@bezmialem.edu.tr</a> 0 533 320 6065	<ul style="list-style-type: none"><li>B.Sc; Boğaziçi University</li><li>MSc; Boğaziçi University &amp; <b>Michigan State Univ.</b></li><li>Ph.D.; Koç University,</li><li>Post-Doc.; Koç University,</li></ul>	Circadian Biology & Drug Development rea Circadian Clock and Drug Design

Faculty	Education and Training	Field
<p><b>M. Aziz Hatiboğlu, MD</b>  <a href="mailto:m.hatiboglu@bezmialem.edu.tr">m.hatiboglu@bezmialem.edu.tr</a>                      0 532 761 2290</p>	<ul style="list-style-type: none"> <li>MD; Ankara University</li> <li>Residency; S.B. Okmeydanı E.A. H.</li> <li>Fellowship; <b>The University of Texas, M.D. Anderson Cancer Center</b></li> </ul>	<p>Neurosurgery Brain Tumor Research</p>
<p><b>M. Asif Khan, PhD</b>  <a href="mailto:khan.mdasif@gmail.com">khan.mdasif@gmail.com</a>  <a href="mailto:asif.khan@udst.edu.qa">asif.khan@udst.edu.qa</a>                      +65 9274 7447</p>	<ul style="list-style-type: none"> <li>BSc; National University of Singapore,</li> <li>MSc; National University of Singapore</li> <li>PhD; National University of Singapore</li> <li>Post Doc; <b>Johns Hopkins, Singapore &amp; National University of Singapore</b></li> <li>Assist. Professor; Perdana University</li> </ul>	<p>Bioinformatics Immune responses, vaccines, viruses, venom toxins, drug design, and disease biomarkers</p>
<p><b>O. Emre Onat, PhD</b>  <a href="mailto:oonat@bezmialem.edu.tr">oonat@bezmialem.edu.tr</a>                      0 505 377 8936</p>	<ul style="list-style-type: none"> <li>BSc; Boğaziçi University, Istanbul</li> <li>MSc; Bilkent University, Ankara</li> <li>PhD; <b>Bilkent University, Ankara</b></li> <li>Assit. Professor; Acıbadem University, Istanbul</li> </ul>	<p>Molecular Genetics Identification of mutations, genes, and pathways causing complex and rare diseases through bioinformatics.</p>
<p><b>Matteen Rafiqi, PhD</b>  <a href="mailto:m.rafiqi@bezmialem.edu.tr">m.rafiqi@bezmialem.edu.tr</a>                      0 538 555 7580</p>	<ul style="list-style-type: none"> <li>BSc; SK University of Ag. Sci &amp; Tech</li> <li>MSc; Vaginen Univ.</li> <li>PhD; <b>Max Planck Ins. Univ. Chicago,</b></li> <li>Post-Doc; McGill University</li> </ul>	<p>Developmental Biology Ecological Evolutionary Developmental Biology and Endosymbiosis</p>
<p><b>Serdar Uysal, PhD</b>  <a href="mailto:SUysal@bezmialem.edu.tr">SUysal@bezmialem.edu.tr</a>                      0 553 574 0522</p>	<ul style="list-style-type: none"> <li>BSc; Marmara Univ, İstanbul Technical University</li> <li>MSc+PhD; University of Chicago,</li> <li>Post-Doc; <b>Harvard Univ.</b></li> </ul>	<p>Biochemistry Protein and microbial engineering, synthetic antibodies by phage display technologies for pharmaceutical applications</p>

<b>Enstitü Sekreteri</b>	<b>Şehlem Ertekin</b>	<b>20.06.2022</b>
<b>Memur</b>	<b>Münhal</b>	<b>-----</b>
<b>Teknik Personeli</b>	<b>Adem Yıldız</b>	<b>27.08.2018</b>
<b>Destek Personeli</b>	<b>Berrin Düzgit</b>	<b>25.06.2018</b>

# EĞİTİM-ÖĞRETİM FAALİYETLERİ



# BİLSAB 2025 Seminerleri (23 Adet)

KONUŞMACI	TARİH	KONU	YER	Attendance
Assoc.Prof.Sinem Buruc Erdogan	09.03.2024	The potential of fNIRS based BCI system designs as clinical decision support systems in psychiatry.	BİLSAB Seminar Hall	25
Dr.Toghrul Almammadov	23.03.2024	Activity-based molecular probes for visualization and treatment of cancer cells with an improved selectivity.	BİLSAB Seminar Hall	28
Assoc.Prof. Sener Ozonder	29.05.2024	Building In Silico Drug Discovery Pipeline with Transformers	BİLSAB Seminar Hall	24
Dr. Sumiti Vinayak Alam	01.08.2024	Molecular mechanisms controlling proliferation and development of the diarrheal pathogen Cryptosporidium parvum	BİLSAB Seminar Hall	32
Mr. Haiying Huang	07.08.2024	Vazyme DNA & Protein Interaction	BİLSAB Seminar Hall	25
Dr.Mustafa Korkutata	22.08.2024	Neuroanatomical Networks of Sleep Disorders	BİLSAB Seminar Hall	
Dr. Elif Bingol Aksoy	23.08.2024	Decoding Protien Function Dynamics	BİLSAB Seminar Hall	23
Dr. Melike Secilmis	28.08.2024	Exploring Cellular Stress Responses Utilizing Genetically Encoded Biosensors	BİLSAB Seminar Hall	20
Prof. Rachel Green	30.08.2024	Concentration Matters: Regulation of Ribosome Homeostasis	BİLSAB Seminar Hall	27
Dr. Tuna Pesen Inanc	08.11.2024	Regulation of stem cell activity in the zebrafish nervous system	BİLSAB Seminar Hall	25
Dr.Steffan H Fuss	22.11.2024	Regulation of stem cell activity in the zebrafish nervous system	BİLSAB Seminar Hall	28
Dr. Mauricio. E. Alarcon	29.11.2024	Understanding the Role of Endosymbionts on Host Development and Evoluitin	BİLSAB Seminar Hall	28
Dr.Ozlem Yedier Bayram	06.12.2024	Combatting Chemoresistance in Triple-Negative Breast Cancer by Targeting Epigenetic Modifiers	BİLSAB Seminar Hall	22
Dr.Sukru Anil Dogan	13.12.2024	Mitochondrial Stress Signaling	BİLSAB Seminar Hall	29
Ms. Birgul Colak	27.12.2024	Breaking the Hourglass: How Developmental Constraints Shape Evolutionary Diversity	BİLSAB Seminar Hall	32
Mr.Farooq Ustunel	27.12.2024	Evolutionary Insights into the CRY1 Gene and Sleep Phenotypes: Identifying Conserved Regions and SNP Hotspots across 392 Mammalian Species	BİLSAB Seminar Hall	22
Dr. Arzu Celik Fuss	03.01.2025	Drosophila Melanogaster as a Tool to Model Neurodevelopmental Disorders	BİLSAB Seminar Hall	28
Ms. Omur Gozde Demirtas	17.01.2025	Molecular Interactions Between Crimean-Congo Hemorrhagic Fever Virus and the Innate Immune System	BİLSAB Seminar Hall	26
Dr. Uluc Pamuk	07.02.2025	Magnetic Resonance Imaging Method in Muscle Bioinformatics and new adventures with 7T Preclinic Scanner.	BİLSAB Seminar Hall	23
Ms. Ayse Dilara Aydemir	14.02.2025	Exploring MSC- Conditioned Medium as a potential therapeutic tool for retinal disease.	BİLSAB Seminar Hall	25
Prof. Sevim Isik	07.03.2025	Exploring MSC- Conditioned Medium as a potential therapeutic tool for retinal disease.	BİLSAB Seminar Hall	27
Dr. Sebahat Akgul	28.03.2025	Transplant rejection: Cuerrent challenges and trageted new therapies.	BİLSAB Seminar Hall	26
Dr.Biru B. Dudhabhate	11.04.2025	Transplant rejection: Cuerrent challenges and trageted new therapies.	BİLSAB Seminar Hall	ONLINE
Dr.Mohd Farhan	02.04.2025	Elucidating the role of Artemisinin in the melanoma growth and metastasis and its underlying mechanism	BİLSAB Seminar Hall	ONLINE
Ms. Nihan Sultan Milat	11.07.2025	Rewiring the early embryogenesis: novel mode of blastoderm formation in the presence of endosymbionts	BİLSAB Seminar Hall	30
Dr. Kenan Sevinc	22.08.2025	Identifying Chromatin- based barriers to cell reprogramming through chemo-epigenomic approaches.	BİLSAB Seminar Hall	26
Dr. Mohadeseh Hashem Boroojerdi	29.08.2025	Ttranslating Celluler Insight Into Theraputic Innovation	BİLSAB Seminar Hall	27
Dr. Elif Naz Bingol Aksoy	05.09.2025	Deciphering Allosteric Communication in TCR-pMHC Complexes via Molecular Dynamics and Energetic Network Analysis	BİLSAB Seminar Hall	25
Ms. Vildan Sarac	05.09.2026	Genetic Basis of DSPD in the Turkish Population	BİLSAB Seminar Hall	25
Dr. Melis Dilara Arslanhan	12.09.2025	Structural and functional regulation of centrosome/cilium complex in health and diseases	BİLSAB Seminar Hall	25
Dr. Hadeel A. B Mohamed	26.09.2025.	Molecular Insights into Telomere Dynamics, Autophagy, and Disease Epidemiology: From Leishmania to Fission Yeast.	BİLSAB Seminar Hall	27
Dr. Duygu Yazci	03.10.2025	Epithelial Barrier Theory: The role of food additives and emulsifiers on inflammation and IgE induction in food allergy	BİLSAB Seminar Hall	28
Dr. Zeynep Kocer	26.09.2025.	Drivers Behind Emerging Influenza Variants.	BİLSAB Seminar Hall	26
Ms. Levis Tenay	17.10.2025	In Silico Investigation of Obesity-Related Missense Mutations in the Serotonin Receptor HTR1D	BİLSAB Seminar Hall	30
Ms.Aylin	31.10.2025	Generation and Characterization of a DARS2-Deficient Adipogenic Mouse Model (fKO) to Investigate Mitochondrial Dysfunction in Adipose Tissue	BİLSAB Seminar Hall	23

Regular lab meeting schedule: **Every week.**

Journal Club: **Every two weeks.**

Meeting Date	Presentation Title	Presenter	Attendees (Names)
17.01.2025	Turning attention to tumor–host interface and focus on the peritumoral heterogeneity of glioblastoma	Demet İnci	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
07.02.2025	Glioblastoma evolution and heterogeneity from a 3D whole-tumor perspective	Emre Bora	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
24.02.2025	AAV-mediated direct in vivo CRISPR screen identifies functional suppressors in glioblastoma	Hatice Arslan	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
06.03.2025	CDKN2A deletion remodels lipid metabolism to prime glioblastoma for ferroptosis	Demet İnci	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
11.04.2025	Glioblastoma cell fate is differentially regulated by the microenvironments of the tumor bulk and infiltrative margin	Emre Bora	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
30.05.2025	Purine metabolism rewiring improves glioblastoma susceptibility to temozolomide treatment	Hatice Arslan	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
31.07.2025	Direct sensing of dietary w-6 Linoleic acid through FABP5-mTORC1 signaling	Demet İnci	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan
24.10.2025	CRISPR-Cas9 screening identifies a gene signature predictive of prognosis in glioblastoma	Emre Bora	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan, Ezgi Kuzu
24.11.2025	Comparative Transcriptomic Analysis of Temozolomide Resistant Primary GBM Stem-Like Cells and Recurrent GBM Identifies Up-Regulation of the Carbonic Anhydrase CA2 Gene as Resistance Factor	Hatice Arslan	Dr. Ahmet Cingöz, Demet İnci, Emre Bora, Hatice Arslan, Ezgi Kuzu

Meeting Date	Presentation Title	Presenter	Attendees (Names)
1/11/25	Medial prefrontal cortex and anteromedial thalamus interaction regulates goal-directed behavior and dopaminergic neuron activity	Kader Kubat	Dr. Caner Çağlar, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz
10/10/25	A direct lateral entorhinal cortex to hippocampal CA2 circuit conveys social information required for social memory	Emir Gönç	Dr. Caner Çağlar, Kader Kubat, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz
29/6/25	Neural Mechanism of Hunger-gated Food-seeking and Evaluating	Asel Bayram	Dr. Caner Çağlar, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz, Beyza Kinsiz
12/6/25	CRH neurons in the lateral hypothalamic area regulate feeding behavior of mice	Miraç Keleştemur	Dr. Caner Çağlar, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz, Beyza Kinsiz
5/5/25	Modulation of aggression by social novelty recognition memory in the hippocampal CA2 region	Beyza Kinsiz	Dr. Caner Çağlar, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz, Beyza Kinsiz
3/2/25	The tectonigral pathway regulates appetitive locomotion in predatory hunting in mice	Fatmanur Deniz	Dr. Caner Çağlar, Miraç Keleştemur, Asel Bayram, Fatmanur Deniz, Beyza Kinsiz

Regular meeting schedule: **Every two weeks**

Meeting Date	Presentation Title	Presenter	Attendees (Names)
18/08/2025	2-hydroxyglutarate mediates whitening of brown adipocytes coupled to nuclear softening upon mitochondrial dysfunction DOI: 10.1038/s42255-025-01332-8	Ceyda Ergül	Dr. Şükrü Anıl Doğan, Aylin Karataş
01/09/2025	Tissue-Specific Loss of DARS2 Activates Stress Responses Independently of Respiratory Chain Deficiency in the Heart DOI: 10.1016/j.cmet.2014.02.004	Şükrü Anıl Doğan	Ceyda Ergül, Aylin Karataş, Ezgi Ergül, Rümeyisa Küçük, İpek Başara
05/09/2025	Mitochondria protect against intracellular pathogen by restricting access to folate DOI: 10.1126/science.adr6326	Aylin Karataş	Dr. Şükrü Anıl Doğan, Ceyda Ergül, Ezgi Ergül, Rümeyisa Küçük, İpek Başara
19/09/2025	Loss of RET-ROS at complex I induces diastolic dysfunction in mice that is reversed by aerobic exercise DOI: 10.1152/ajpheart.00482.2024	Ceyda Ergül	Dr. Şükrü Anıl Doğan, Ezgi Ergül, Rümeyisa Küçük, Aylin Karataş
03/10/2025	NAD depletion in skeletal muscle does not compromise muscle function or accelerate aging DOI: 10.1016/j.cmet.2025.04.002	Aylin Karataş	Dr. Şükrü Anıl Doğan, Ceyda Ergül, Ezgi Ergül
17/10/2025	Retrograde mitochondrial signaling governs the identity and maturity of metabolic tissues DOI: 10.1126/science.adf2034	Ceyda Ergül	Dr. Şükrü Anıl Doğan, Aylin Karataş
28/10/2025	CoQ imbalance drives reverse electron transport to disrupt liver metabolism DOI: 10.1038/s41586-025-09072-1	Aylin Karataş	Dr. Şükrü Anıl Doğan, Ceyda Ergül
11/11/2025	Adipose mitochondrial complex I deficiency modulates inflammation and glucose homeostasis in a sex-dependent manner DOI: 10.1210/endocr/bqac018	Aylin Karataş	Dr. Şükrü Anıl Doğan, Ceyda Ergül
25/11/2025	Nerve-to-cancer transfer of mitochondria during cancer metastasis DOI: 10.1038/s41586-025-09176-8.	Şükrü Anıl Doğan	Aylin Karataş, Ceyda Ergül

Meeting Date	Presentation Title	Presenter	Attendees (Names)
9/11/25	Soluble MFGE8 mediated cell entry of Crimean Congo Hemorrhagic Fever Virus	Özlem Bakangil	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal
9/4/25	Elevated interferon-induced transmembrane protein 3 in platelets and megakaryocytes suppress CCHFV infection by interactivity with GC	Ömür Gözde Demirtaş	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal
5/29/25	Antibodies targeting Crimean Congo Hemorrhagic Fever Virus GP38 limit vascular leak and viral spread	Özlem Bakangil	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal
3/5/25	Epstein-Barr Virus BALFO/1 Subverts the Caveolin and ERAD Pathways to target B- cell Receptor Complexes for Degredation.	Özlem Bakangil	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal
10/24/24	Crimean Congo Hemorrhagic Fever Virus nucleoprotein and GP38 subunit vaccine combination prevents morbidity in mice	Sercan Keskin	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal
10/10/24	The PACS-2 protein and trafficking motifs in CCHFV Gn and Gc cytoplasmic govern CCHFV assembly	Ömür Gözde Demirtaş	Dr.Mehmet Ziya Doymaz, Özlem Bakangil, Ömür Gözde Demirtaş, Sercan Keskin, Ayşegül Piriñçal

**Student meetings: Once a week**

**General lab meetings: Every two weeks**

Meeting Date	Presentation Title	Presenter	Attendees (Names)
10/11/2025	Deficiency of circadian clock gene Bmal1 exacerbates noncanonical inflammasome-mediated pyroptosis and lethality via Rev-erb $\alpha$ -C/EBP $\beta$ -SAA1 axis	Dilan Kutlay	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı
28/10/2025	PBAF/cBAF reorganization on H3.3 chromatin regulates BMAL1 activity in the absence of circadian negative feedback	Selahattin Aydoğan	Şeref Gül, Ayşenur Çakmak, Betül Oruçoğlu, Buse Avcı, Dilan Kutlay
13/10/2025	AlphaFold accelerates artificial intelligence powered drug discovery: efficient discovery of a novel CDK20 small molecule inhibitor	Ayşenur Çakmak	Şeref Gül, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı, Dilan Kutlay
07/10/2025	Design and validation of the first-in-class PROTACs for targeted degradation of the immune checkpoint LAG-3		
07/10/2025	Time-restricted feeding restores muscle function in Drosophila models of obesity and circadian-rhythm disruption	Ece Nihal Sözmen (Volunteer)	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı
11/09/2025	Involvement of circadian clock protein PER2 in controlling sleep deprivation induced HMGB1 up-regulation by targeting p300 in the cortex	Buse Avcı	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu
21/08/2025	The intestinal clock drives the microbiome to maintain gastrointestinal homeostasis	Doğa Canımoğlu (Volunteer)	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı
	Circadian Gene BMAL1 Regulation of Cellular Senescence in Thyroid Aging	Berra Doğan (Volunteer)	
20/08/2025	Deciphering specificity and cross-reactivity in tachykinin NK1 and NK2 receptors	Zeyneb Mustafa (Volunteer)	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı
07/08/2025	Systematic comparison and base-editing-mediated directed protein evolution and functional screening yield superior auxin-inducible degron technology	Betül Oruçoğlu	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Buse Avcı
24/07/2025	Circadian clock-independent ultradian rhythms in lipid metabolism in the Drosophila fat body	Azra Çil (Volunteer)	Şeref Gül, Ayşenur Çakmak, Selahattin Aydoğan, Betül Oruçoğlu, Buse Avcı
	The molecular basis of dapsone activation of CYP2C9-catalyzed nonsteroidal anti-inflammatory drug oxidation	Sümeyye Eryiğit (Volunteer)	

## Regular meeting schedule: **Twice a week**

Meeting Date	Presentation Title	Presenter	Attendees (Names)
14/08/2025	Hypoxia-Inducible Factor-1 $\alpha$ Activity as a Switch for Glioblastoma Responsiveness to Temozolomide DOI: 10.3389/fonc.2018.00249	Bahar Ergun	Prof (Dr). Mustafa Aziz Hatiboglu, Dr. Mohd Haseeb
04/09/2025	Glioblastoma at the crossroads: current understanding and future therapeutic horizons DOI: <a href="https://doi.org/10.1038/s41392-025-02299-4">https://doi.org/10.1038/s41392-025-02299-4</a>	Prof (Dr). Mustafa Aziz Hatiboglu	Dr. Mohd Haseeb, Hatice Kirkic, Bahar Ergun, Dr Kivanc, Dr. Nurbelig
24/09/2025	Glioblastoma metabolomics: uncovering biomarkers for diagnosis, prognosis, and targeted therapy DOI: <a href="https://doi.org/10.1186/s13046-025-03497-2">https://doi.org/10.1186/s13046-025-03497-2</a>	Hatice Kirkic	Prof (Dr). Mustafa Aziz Hatiboglu, Dr. Mohd Haseeb, Bahar Ergun
23/10/2025	Emerging role of extracellular vesicles in the pathogenesis of glioblastoma DOI: <a href="https://doi.org/10.1007/s11011-022-01074-6">https://doi.org/10.1007/s11011-022-01074-6</a>	Dr. Mohd Haseeb	Prof (Dr). Mustafa Aziz Hatiboglu, Bahar Ergun, Hatice Kirkic
12/11/2025	Multiple functionalized carbon quantum dots for targeting glioma and tissue imaging DOI: <a href="https://doi.org/10.1016/j.optmat.2017.11.044">https://doi.org/10.1016/j.optmat.2017.11.044</a>	Dr. Mohd Haseeb	Prof (Dr). Mustafa Aziz Hatiboglu, Bahar Ergun, Hatice Kirkic
21/11/2025	General discussion regarding the current projects	Not Applicable	Prof (Dr). Mustafa Aziz Hatiboglu and Dr. Mohd Haseeb
25/11/2025	Lab Meeting	Not Applicable	Prof (Dr). Mustafa Aziz Hatiboglu and Dr. Mohd Haseeb

Regular meeting schedule: **Every three weeks**

Meeting Date	Paper Title	Presenter	Attendees (Names)
01/10/2025	Welcome Meeting	Dr. Elif Naz Bingöl Aksoy	Dr. Elif Naz Bingöl Aksoy, Ebru Sarsılmaz, Berrenur İnandı, Shazia Naqshbandi, Hacer Sülün, Zeynep Vurat, Sevde Naz Sarısoy, Soha Husseini
17/10/2025	DiMA: sequence diversity dynamics analyser for viruses	Ebru Sarsılmaz	Dr. Elif Naz Bingöl Aksoy, Ebru Sarsılmaz, Berrenur İnandı, Shazia Naqshbandi, Zeynep Vurat, Sevde Naz Sarısoy, Alisa Naz Kabakçı, Soha Husseini
17/11/2025	Molecular mimicry as a mechanism of viral immune evasion and autoimmunity	Soha Husseini	Dr. Elif Naz Bingöl Aksoy, Ebru Sarsılmaz, Berrenur İnandı, Sevde Naz Sarısoy, Soha Husseini

Regular meeting schedule: **Every two weeks, lessons every week**

Meeting Date	Presentation Title	Presenter	Attendees (Names)
26/09/2025	Natalie J. Wallis et al. ,Canine genome-wide association study identifies DENND1B as an obesity gene in dogs and humans.Science387,eads2145(2025).DOI:10.1126/science.ads2145	Büşranur Çetin	Dr. Onur Emre ONAT, Şeyma Ateş, Levis Tenay, Vildan Ateşoğlu, Faruk Üstünel, Duru Hayal Genç, Sümeyye Cilmeli, Ahmet Burak Doğanoglu
17/10/2025	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders doi: 10.1016/j.cell.2019.11.020.	Duru Hayal Genç	Dr. Onur Emre ONAT, Şeyma Ateş, Levis Tenay, Vildan Ateşoğlu, Faruk Üstünel, Sümeyye Cilmeli, Ahmet Burak Doğanoglu
23/10/2025	Ohtani, H., Ichikawa, R., Mori, K. et al. Single-molecule DNA analysis implicates brain mitochondria pathology in bipolar disorder. Mol Psychiatry 30, 4764–4775 (2025). <a href="https://doi.org/10.1038/s41380-025-03071-4">https://doi.org/10.1038/s41380-025-03071-4</a>	Ceyda Ergül	Dr. Onur Emre ONAT, Şeyma Ateş, Levis Tenay, Vildan Ateşoğlu, Duru Hayal Genç, Sümeyye Cilmeli, Ahmet Burak Doğanoglu
07/11/2025	Rare variants in BMAL1 are associated with a neurodevelopmental syndrome- <a href="https://doi.org/10.1073/pnas.2427085122">https://doi.org/10.1073/pnas.2427085122</a>	AhmetBurak Doğanoglu	Dr. Onur Emre ONAT, Şeyma Ateş, Levis Tenay, Vildan Ateşoğlu, Faruk Üstünel, Duru Hayal Genç, Sümeyye Cilmeli,
20/11/2025	Ezgi Kuzu: Hawkes, G., Chundru, K., Jackson, L. et al. Whole-genome sequencing analysis identifies rare, large-effect noncoding variants and regulatory regions associated with circulating protein levels. Nat Genet 57, 626–634 (2025).  Asel Bayram: Rajagopal, V.M., Watanabe, K., Mbatchou, J. et al. Rare coding variants in CHRN2 reduce the likelihood of smoking. Nat Genet 55, 1138–1148 (2023). <a href="https://doi.org/10.1038/s41588-023-01417-8">https://doi.org/10.1038/s41588-023-01417-8</a>	Ezgi Kuzu  Asel Bayram	Dr. Onur Emre ONAT, Şeyma Ateş, Levis Tenay, Vildan Ateşoğlu, Duru Hayal Genç, Sümeyye Cilmeli, Ahmet Burak Doğanoglu

**Student meetings:** Scheduled weekly one on one meetings with each lab member once a week.

**General lab meeting:** Once a week

Meeting Date	Presentation Title	Presenter	Attendees (Names)
08/11/2025	How to develop a good research question	Nihan Sultan Milat	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Ahmet Burak, Zelal Özgür Durmuş , Mauricio E. Alarcon
11/10/2025	Ovary Wt & Ovary Rif, St4 Wt & St4 Rif, ATACseq Data Presentation	Ahmet Burak	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Ahmet Burak, Zelal Özgür Durmuş , Mauricio E. Alarcon.
27/09/2025	Dicussion of the single-cell method	Zelal Özgür Durmuş	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Mauricio E. Alarcon, Sevim Nur Akyüz
13/09/2025	Discussion of the abstract of the drafted manuscript. Developmanca Table of Cfl	Dr. Ab. Matteen Rafiqi	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Ahmet Burak, Zelal Özgür Durmuş , Mauricio E. Alarcon, Birgül Çolak Al, Sevim Nur Akyüz
05/07/2025	Discussion of the drafted manuscriptEndosymbiont interactions with the germline underline a case of evolutionary novelty in Carpenter ants.	Zelal Özgür Durmuş	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Dr. Mauricio E. Alarcon, Sevim Nur Akyüz. Birgül Çolak Al.
31/05/2025	BİLSAB Seminar Presentation Novel mode of blastoderm formation in the presence of endosymbionts.	Nihan Sultan Milat	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Dr. Mauricio E. Alarcon, Sevim Nur Akyüz. Birgül Çolak Al.
27/04/2025	Design of highly functional genome editors by modelling CRISPR–Cas sequences	Birgül Çolak Al.	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Dr. Mauricio E. Alarcon, Sevim Nur Akyüz. Birgül Çolak Al.
23/03/2025	The energetics of genome complexity	Dr. Mauricio E. Alarcon	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Dr. Mauricio E. Alarcon, Sevim Nur Akyüz. Birgül Çolak Al.
30/01/2025	Developmental Origins in Spiralian Embryos From spiral cleavage to bilateral symmetry: the developmental cell lineage of the annelid brain.	Birgül Çolak Al	Dr. Ab. Matteen Rafiqi, Nihan Sultan Milat, Zelal Özgür Durmuş , Dr. Mauricio E. Alarcon, Sevim Nur Akyüz. Birgül Çolak Al.

# ARAŐTIRMA, YAYIN VE PROJELER

1. Investigation of STAT3-Related MicroRNAs Responsible for Chemotherapy Resistance in Glioblastoma (TUBITAK – 2209-A)
2. Investigation of the Effect of Intestinal Microbiota on Tumor Development in the Mouse Intracerebral Melanoma Metastasis Model (TUBITAK – 2209-A)
3. Liposomal mRNA Vaccine Therapy in Glioblastoma: Transport of Anti-Tumor Ripk-3 mRNA-Loaded Liposomes via Mesenchymal Stem Cells. (TUBITAK-221N240)

1. Discovery of genes linked to sleep disorders, their molecular characterization, and investigation of their roles in disease pathogenesis (Uyku Bozuklukları ile İlişkili Genlerin Keşfi, Moleküler Karakterizasyonu ve Hastalık Patogenezindeki Rollerinin Araştırılması)", TÜSEB B – 40691 , Yürütücü/Kuruluş: Onur Emre Onat/Bezmialem Vakıf University, Durum: Devam Ediyor
2. "Evolutionary Insights into the Genetics of Sleep Phase Disorders Using Cactus447way Genome Alignments and the UK Biobank Sleep Cohort (Uyku Fazı Bozukluklarının Genetik Temellerinde Evrimsel Korunmuşluğun Rolü: Cactus447way Tüm Genom Hizalamalarından Elde Edilen Diurnal ve Nocturnal Spesifik Varyantların UK Biobank Uyku Kohortunda İncelenmesi)", TÜSEB A - 47210, Yürütücü/Kuruluş: Faruk Üstünel & Onur Emre Onat/Bezmialem Vakıf University, Durum: Devam Ediyor
3. "Evolutionary Insights into the Genetics of Sleep Phase Disorders Using Cactus447way Genome Alignments and the UK Biobank Sleep Cohort (Uyku Fazı Bozukluklarının Genetik Temellerinde Evrimsel Korunmuşluğun Rolü: Cactus447way Tüm Genom Hizalamalarından Elde Edilen Diurnal ve Nocturnal Spesifik Varyantların UK Biobank Uyku Kohortunda İncelenmesi)", UK Biobank, Yürütücü/Kuruluş: Faruk Üstünel & Onur Emre Onat/Bezmialem Vakıf University, Durum: Devam Ediyor
4. "Investigation and molecular characterization of the roles of obesity-associated STEAP1B, KCNQ5 and UCP1 genes in disease pathogenesis (Obezite ile İlişkilendirilmiş Steap1b, Kcnq5 ve Ucp1 Genlerinin Hastalık Patogenezindeki Rollerinin Araştırılması ve Moleküler Karakterizasyonu)", TÜBİTAK 1001 - 222S389, Yürütücü/Kuruluş: Onur Emre Onat/Bezmialem Vakıf University, Durum: Devam Ediyor
5. "Understanding the Genetic Roots of Obesity Across Populations (Obezitenin Genetik Kökenlerinin farklı toplumlarda anlaşılması)", UK-Biobank, Yürütücü/Kuruluş: Onur Emre Onat/Bezmialem Vakıf University, Durum: Devam Ediyor.

1. Understanding the Emergence of Cells Housing Endosymbionts using Leafhoppers
2. Investigating BMP and Hox gene regulatory network interconnections in *Camponotus* ants.
3. Investigating interactions between multiple gene regulatory networks during ant development
4. Genome editing of Hox gene region by CRISPR/Cas9 system in ants.
5. Use of transcriptome to study the effects of antibiotics on the development of the leafhopper, *Anaceratagallia ribauti* (Hemiptera: Cicadellidae)
6. The Developmental Genetics of Obligate Endosymbiosis and Its Effect on the Evolution of Insects
7. The role of endosymbionts in the developmental genetic networks of leafhoppers
8. Mechanism of segregation of endosymbiont between midgut epithelium and gonad

1. "Investigation of metabolic factors playing a role in apoptotic therapy resistance in glioblastoma cells." TUBITAK 3501, 2024-2026.
2. "Examination of the role of tumor metabolism in glioblastoma by in vivo CRISPR/Cas9 screen." TÜSEB-A4, 2024-2026.
3. "Investigating Metabolic Heterogeneity in the Development of Treatment Resistance in Patient-Specific Primary Tumor Models. EU Cost Action." TÜBİTAK-2515, (Submitted).
4. "Elucidating the Role of Lipid Metabolism in Apoptotic Therapy Resistance in Glioblastoma." TÜBİTAK-1001, (Submitted).
5. "Investigation of the Molecular Effects of the Synergistic Approach Developed with Selinexor-BPD Combination on GBM Models." TUBITAK 1001, 2025-2028.
6. "Investigation of Talin-1 Targeted Mechanisms in Platelets as a New Treatment Approach in Platelet Function Disorders." TUBITAK 1001, 2025-2027.
7. "Selective Tumor Imaging Studies with a Receptor-Targeted and Activity-Based Chemiluminescent Agent Able to Glow in the Red Zone." TUBITAK 1001, 2023-2026.
8. "Investigating the mechanisms of BRPF inhibitors in overcoming chemotherapy resistance in triple negative breast cancer and development of novel epigenetic targeted combination therapies." TUBITAK 1001, 2021-2025.
9. "Exploration of Oxidative Phosphorylation Mechanisms in TRAIL-Resistant Glioblastoma Cells at Molecular Level." BVU-BAP, 2024-2025. (PI)

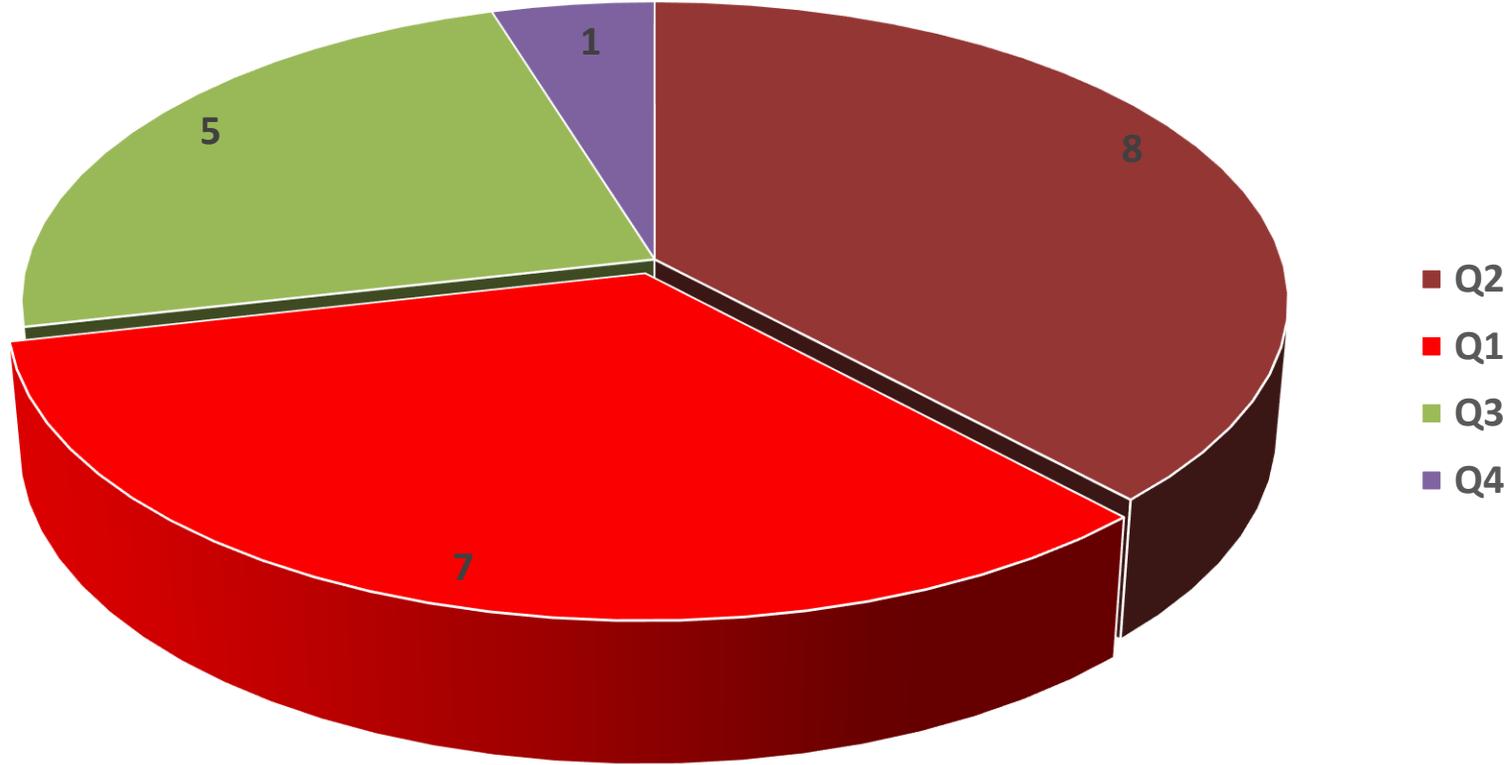
1. Investigation of the Relationship Between High-Calorie Diet-Induced Obesity and DMHPpp1r17 Neurons and Nitric Oxide Signaling Pathway in DMHPpp1r17 Neurons – TUSEB B Grubu AR-GE – 3.000.000 TL
2. Investigating the impact of DMHPDYN neurons on aggression
3. Investigating the Relationship Between Dmhppp1r17 Neurons, Anxiety, and Binge Eating- TUBITAK 1001-576.520 TL
4. Investigation of the roles of obesity-associated STEAP1B, KCNQ5 and UCP1 genes in the pathogenesis of the disease TUBITAK 1001-1.247.000 TL
5. The role of Leprb neurons located in the claustrum in the regulation of food related behaviors, External joint effort; cost covered by Yeditepe University
6. The role of Leprb neurons located in the claustrum in the regulation of anxiety, External joint effort; cost covered by Yeditepe University
7. The role of Pdyn neurons located in the parafascicular nucleus in the regulation of food related behaviors, External joint effort; cost covered by Yeditepe University
8. The role of Pdyn neurons located in the parafascicular nucleus in the regulation of anxiety, External joint effort; cost covered by Yeditepe University
9. The role of Pdyn neurons located in the dorsomedial hypothalamus in the regulation of maternal behaviors, External joint effort; cost covered by Yeditepe University

1. As Researcher with Assist. Prof. Serkan Kir of Koc University. Prevention of cancer-associated muscle wasting by NIK inhibition. TUBITAK 1001, 124Z372, Budget 2.018.016 TL, 2024-2027.
2. As Advisor with Dr. İbrahim Türkel of Hacettepe University. Polycystic Ovary Syndrome (PCOS) Model Induced by Letrozole and Mitochondrial Dysregulation. TUBITAK 3501, 885058, Budget: 990.860 TL, 2025-2027.
3. As Working Group Member of COST action CA22169 - European network to tackle METAbolic alterations in HEART failure (EU-METAHEART). 2023-2027.
4. As Working Group Member of COST action CA23119 - SENESCENCE2030: Targeting Cell Senescence to Prevent Age-Related Diseases. 2024-2028.
5. As Working Group Member of COST action CA24108 - Oxidative stress at the Crossroads of adverse outcome Pathways -peSTicides - ONE hEalth (CAPSTONE). 2025-2029.
6. With Prof. Zeynep Karakas of Istanbul University. In-vitro Potential Therapeutic Effects of NAD<sup>+</sup> and Antioxidants on Oxidized Hemoglobin and Mitochondrial Damage-Associated Molecular Patterns (DAMPs) in Hemoglobinopathies. The Council of Higher Education (YOK) Research Universities Support Program, 39178, Budget: 360.000 TL, 2022-2025.

1. 'Identification and investigation of antigenicity of Spherical Body Protein 4 (SBP4) of Babesia ovis'. TUBITAK 1001, 222O123, Budget 1.332.600 TL, 2023-2026.
2. Investigation of the Effects of the Crimean-Congo Hemorrhagic Fever Kelkit Strain Nucleocapsid Protein on Innate Immunity. Funding Source: BVU-BAP Project No: 20250502
3. Kolistin dirençli Klebsiella pneumoniae klinik izolatlarında antibiyotik kombinasyonlarının sinerjistik etkinliğinin incelenmesi. Kaynak: BVU-BAP (2024-2025)

1. Understanding the Mechanism of Activity of Small Molecule JET1 Regulating the Circadian Rhythm Amplitude and Its Effects on Jet-Lag (TÜSEB-B-2023-02-35578 | PI)
2. Improving the Efficacy of CRY1 Destabilizer Small Molecule M47 that Enhances Apoptosis in p53 Knockout Cells by Fragment Based Optimization Method (TÜSEB-B-2023-02-35805 | PI)
3. Understanding the Function of Circadian Clock in Pancreatic Cancer and Examination the Role of CRY Proteins in Pancreatic Cancer (TÜBA-GEBİP | PI)
4. Examining the Circadian Rhythm in Different Pancreatic Cancer Cell Lines with Gain-of-Function p53 Mutations (BAP-2024-0624 | PI)
5. Examining the Effect of Cryptochrome Deletion in Various Pancreatic Cancer Cell Lines with Gain-of-Function p53 Mutations (TÜBİTAK 123N147 | Researcher)
6. Discovery of genes linked to sleep disorders, their molecular characterization, and investigation of their roles in disease pathogenesis (TUSEB-B-40691 | Researcher)
7. Borik asit takviyeli fare embriyo kültür medyumunun in vivo gelişim potansiyeli uzun vadeli etkilerinin araştırılması (IU BAP | Researcher)
8. Investigation of the Anti-Cancer Mechanisms of EGFR Inhibitor Cetuximab in Triple-Negative Breast Cancer Cells in Combination with Notch Signaling Pathway Inhibition (TSA-2025-41236 | Researcher)
9. SomnoGENE; Decoding Sleep Disorders via Family-based Human Genomics & Next-Gen Mammalian Genetics Proposal ID: 101307927 (internal reference number: SEP-211232972) ERC-Synergy; HORIZON-ERC-SYG Topic: ERC-2026-SyG (Researcher, Team Member)
10. ERC-Advanced Proposal acronym: NPll Proposal ID: 101266968 (internal reference number: SEP-211197970) Call: ERC-2025-ADG Type of action: HORIZON-ERC Topic: ERC-2025-ADG (Researcher, Team Member)
11. Selective Chemical Activation and Vectorization of Antisense Oligonucleotides (ASOs) via Bioorthogonal Cleavage Reactions in the Fight Against Antibiotic Resistance (TÜBİTAK 2517 (Bilateral Collaboration with the Azerbaijan Science Foundation (ASF) | Researcher)
12. Investigation of the Effect of CRY Proteins on Chemotherapy Efficacy in Pancreatic Cancer Cells with Loss-of-Function TP53 (Tübitak-1001 125Z962 | PI)
13. TÜBİTAK 2209-A University Students Research Projects Support Program 2025 (No:1919B012505286 | Supervisor)
14. TÜBİTAK 2209-A University Students Research Projects Support Program 2025 (No:1919B012506256 | Supervisor)
15. Investigation of Chemotherapeutic Agent-Induced Cell Death Mechanisms in PDAC Cells via Degron-Based BMAL1 Modulation (BAP-2025-12 | PI)
16. Rapid and Reversible Degradation of BMAL1 in PDAC Models Using the mAID-v2 Degron System: Development of a Stable Cell Line (BAP-2025-12 | PI)

1. ShareOme: ShareOme is a research framework designed for large-scale comparative analysis of viral and human protein sequences. The study enables: Clustering of orthologous and functionally analogous sequences, Mapping of evolutionary divergence between host and pathogen proteins, Integration of functional annotation to identify immune evasion and mimicry mechanism
2. VIROMEdash: Global Virome Sequence Metadata Visualizer
3. CysView: protein classification based on cysteine pairing patterns
4. DiMA 2.0: Sequence Diversity Dynamics Analyser for Viruses
5. Hotspot Hunter: a computational system for large-scale screening and selection of candidate immunological hotspots in pathogen proteomes
6. Ata Ankara Virus (Prof. Nuran Yıldırım), The aim of this project was to investigate whether Modified Vaccinia Virus Ankara (MVA) was derived from the variola virus obtained from Hallaç Temel İzzet Efendi through comparative genome sequence analysis.
7. Immunoinformatic-guided for the identification and development of broad-spectrum epitope-based vaccine targeting pathogenic human coronaviruses: Collaborative research project with Prof. Dr. Bruno Douradinha (Pandemic Sciences Institute, Nuffield Department of Medicine, University of Oxford), Dr. Leow Chiuan Yee (School of Pharmaceutical Sciences, Universiti Sains Malaysia). Design of an RVC vaccine candidate for human coronavirus targeting TLR3. Our contribution includes structural modeling, molecular docking, and molecular dynamics simulations of a multi-epitope vaccine for human coronavirus, designed to target human TLR3.



Q1	Q2	Q3	Q4
7	8	5	1

## YABBE TOPLAM YAYIN SAYISI

Yıl	Q1	Q2	Q3	Q4	Toplam Yayın Sayısı
2025	7	8	5	1	21
2024	6	5	9	3	23
2023	8	5	5	1	19
2022	13	8	0	3	24
2021	5	6	0	2	13
2020	3	3	7	3	16
2019	5	3	5	0	13
2018	2	0	2	0	4
<b>Toplam</b>	<b>49</b>	<b>38</b>	<b>33</b>	<b>13</b>	<b>133</b>
<b>Yüzde</b>	<b>39%</b>	<b>27%</b>	<b>24%</b>	<b>10%</b>	<b>100%</b>

- **Bildiriler, kitaplar:** 1 - Encyclopedia of Bioinformatics and Computational Biology (2nd ed.), Mohammad Asif Khan
- **BAP:** 8
- **TÜBİTAK:** 6
- **AB Projeleri:** 1
- **Patentler:** 3
  1. Multicopy Recombinant Hepatitis B Surface Antigen And Synthesis Thereof, Mehmet Ziya Doymaz.
  2. Pseudo-uridin Modifikasyonlu Mrna Tabanlı Cchfv Aşı Adayı, Mehmet Ziya Doymaz.
  3. Harmonising The Integration Of Clinical Data, Mohammad Asif Khan

# AKREDİTASYON VE KALİTE FAALİYETLERİ

## İç Tetkikler Sonucu :

Eksik dokümanların tamamlanma süreci başladı .

- Düzeltici ve Önleyici Faaliyet Formu ( DÖF)
- Paydaşların memnuniyetini artırmaya yönelik faaliyetlerin yapılması

# İNSAN KAYNAKLARI VE AKADEMİK GELİŞİM

## Atama-Yükseltme Süreçleri

- Onur Emre Onat - Öğretim Üyesi Uzatma
- Şükrü Anıl Doğan- Öğretim Üyesi Ataması
- Vildan Ateşoğlu – Araştırma Görevlisi-Uzatma
- Nihan Sultan - Araştırma Görevlisi-Uzatma
- Sercan Keskin- Araştırma Görevlisi-Uzatma
- Araştırma Görevlisi x5,
- Teknisyen x3

# KARŞILAŞILAN SORUNLAR VE ÇÖZÜM ÖNERİLERİ

- Sorun; Laboratuvarların optimum işlevselliği için gerekli ve yeter sayıda araştırma görevlisi istihdamı,
  - Çözüm; Düzenli Ar-Gör ilanına çıkılması,
- Sorun; teknik personel de hızlı devir-daim; ileri teknik ekspertiz sahibi yaptığımız teknisyenleri kurumda tutamama-
  - Çözüm; tatminkar ücret politikasının tatbiki,
- Sorun; kimyasal sarf malzemelerinin satın alınması sırasında yaşanan bezdirici gecikmeler
  - Çözüm; satın alma sürecindeki bürokratik adımların azaltılması,
- Sorun; öğrenci ve doktora sonrası araştırmacılar için yurt ihtiyacı. Beykoz'un şehre uzaklığı sorunu kötüleştiren bir unsur.
  - Çözüm; yurt ve/veya ilave servis seçeneklerinin değerlendirilmesi.

# 2026 YILI HEDEFLERİ VE PLANLANAN FAALİYETLER

1. “SomnoGENE: Decoding Sleep Disorders via Family-based Human Genomics & Next-Gen Mammalian Genetics (Uyku bozuklularının Aile-wazlı İnsan Genomik ve Yeni Nesil Memeli Genetiği ile Çözömlenmesi)”, ERC Synergy-2026. Yürütöcö/Kuruluş: Onur Emre Onat/Bezmialem Vakıf University, Durum: Deęerlendirme Aşamasında
2. “Investigation of the function of STEAP1B Gene in Neuronal Cell Lines and its Role in Iron Homeostasis and Obesity Pathogenesis (STEAP1B Geninin Nöronal Hücre Hattında Fonksiyonel Etkisinin İncelenmesi, Demir Homeostazına Etkisi ve Obezite Patogenezindeki Rolü)”, TÜBİTAK 1001 – 125Z961, Yürütöcö/Kuruluş: Onur Emre Onat/Bezmialem Vakıf University, Durum: Revize (Proje deęerlendirme aşamasında)
3. Genetic Determinants of Levodopa Absorption and Response Heterogeneity in Parkinson’s Disease (Parkinson Hastalığında Levodopa Emilimi ve Yanıtındaki Heterojenlięin Genetik Belirleyicileri’ TÜBİTAK 1001, Yürütöcö/Kuruluş: Fatma Nazlı Çelik/Osmangazi Üniversitesi, Danışman: Onur Emre Onat, Araştırmacı: Levis Tenay, Durum: Deęerlendirme Aşamasında



**Teşekkürler**