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1	Neurodegenerative Impact of Microbial Extracellular Vesicles on Brain Organoids	**Vildan Torun Baltacıoğlu***, Burak Derkus	Stem Cell Research Laboratory, Department of Chemistry, Faculty of Science, Ankara University, Ankara, 06560, Turkey
2	A bioinspired bioelectric sensing catheter system forfluoroscopy-free imaging	**Amir Boustanabadi maralan**[1], M.Emir Köse[2], İsmail Uyanık[1,2]	1 Hacettepe University, Bioengineering Division, Ankara, Türkiye 2 Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye
3	Xenogenic Neural Stem Cell-Derived Extracellular Vesicles Drive Metabolic Remodeling and Neural Differentiation in Human Mesenchymal Stem Cells	**Melis Isik*,** Burak Derkus	Stem Cell Research Laboratory, Department of Chemistry, Faculty of Science, Ankara University, Ankara, 06560, Turkey
4	From Blades to Beams: Optical Clearing and Mesoanatomical Imaging on the Path Toward a Completely Cutless Neuroanatomy Laboratory	**Nail Can Öztürk**[1], Evrim Güneş[1], İbrahim Kaan Özer[1], Gülşah Gürbüz Alver[2], Savaş Aktaş[2], Ayla Batu Öztürk[2], Maria Geraldine Veldhuizen[1,3]	1 Department of Anatomy, Faculty of Medicine, Mersin University, Mersin, Türkiye 2 Department of Histology and Embryology, Faculty of Medicine, Mersin University, Mersin, Türkiye 3 Department of Experimental Psychology, Faculty of Humanities and Social Sciences, Mersin University, Mersin, Türkiye *Corresponding author:
5	Active sensing strategies of weakly electric fish under varying flow conditions	**Emin Yusuf Aydın**[1], Ismail Uyanık[2]	1 Graduate School of Science and Engineering, Bioengineering Division, Hacettepe University, Ankara, Türkiye 2 Graduate School of Science and Engineering, Bioengineering Division, Hacettepe University, Ankara, Türkiye, Department of Electrical and Electronics Engineering, Hacettepe University, Ankara, Türkiye
6	The impact of transcranial magnetic stimulation on brain morphometry in early stroke rehabilitation using the bobath approach: A pilot study	**Furkan Karakoç**[1], Bernis Sütçübaşı[2], Yakup Krespi[3].	1. Institute of Health Sciences, Neuroscience PhD Program, Yeditepe University, Istanbul, Türkiye 2. Faculty of Humanities and Social Sciences, Department of Psychology, Acıbadem University, Istanbul, Türkiye 3. Faculty of Medicine, Department of Neurology, Istinye University, Istanbul, Türkiye
7	Therapeutic nursing approaches in multiple sclerosis	**Selcan Bozkurt**[1], Ülkü Polat[1]	1 Gazi University, Faculty of Nursing
8	How PAX6 Shapes Metabolism and Differentiation in the Ocular Surface	**Mustafa Titiz1,2,** Sinan Güven1,2,3	1 – Izmir Biomedicine and Genome Center, 35340, Izmir, Türkiye 2 – Izmir International Biomedicine and Genome Institute, Dokuz Eylül University, 35340, Izmir, Türkiye 3 – Department of Medical Biology and Genetics, Faculty of Medicine, Dokuz Eylül University, 35340, Izmir, Türkiye

9	Comparison of The Efficacy of Two Different Rapid Tissue Clearing Methods in Formalin-Fixed ParaffinEmbedded Tissues	Gülşah GÜRBÜZ ALVER, Savaş AKTAŞ, **Ayla BATU ÖZTÜRK,** Nail Can ÖZTÜRK.	a Department of Histology and Embryology, Faculty of Medicine, Mersin University, Mersin, Türkiye b Department of Anatomy, Faculty of Medicine, Mersin University, Mersin, Türkiye
10	Real-Time AI-Assisted Electrolocation System for HighResolution Behavioral Tracking of Weakly Electric Fish	**M. Emir Köse**, Amir Boustanabadi Maralan, Gürhan Bulu, İsmail Uyanık	Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye
11	Multimodal cue integration during target tracking in freely swimming zebrafish	**Anilmak S.[1]**, Uyanik I.[1,2]	1 Hacettepe University, Department of Bioengineering, Ankara, Türkiye 2 Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye
12	Adaptive Sensory Weighting and Motor Strategies in Weakly Electric Fishes Under Varying Environmental Conditions	**Ceren Şule Özdemir**, İsmail Uyanık	Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye
13	A modular biaxial cell-stretching platform for physiologically relevant strain application and yap-mediated mechanotransduction in human myoblasts	***E. Öztürk[1]**, N. B. Düz[1], S. Akar[2], S. Kumbay Yıldız[1], P. R. Dinçer[1], I. Uyanık[1],	1 Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye 2 Cankaya Univ., Ankara, Turkey
14	Low-Latency Multi-Notch Filtering for Active Sensing in Weakly Electric Fish	***M. Muratoğlu[1]**, O. Yılmaz[1], H. Doğan[2], I. Uyanık[1]	1 Hacettepe University, Department of Electrical and Electronics Engineering, Ankara, Türkiye ; 2 METU., Ankara, Turkey
15	A modular dual-refuge system for real-time investigation of multisensory integration in weakly electric fish	**Alp Demirel**, İsmail Uyanık	Hacettepe University Electrical and Electronics Engineering
16	Independent stimulation of visual and electrosensory modalities in weakly electric fish	**Osman Kaan Karagoz[1]**, Doga Ucar[2], Alperen Kolaylı[3], Mustafa Mert Ankaralı[1], Ismail Uyanik[4]	[1]Electrical and Electronics Engineering, Middle East Technical University, Ankara, Turkey; [2]Biology, Hacettepe University, Ankara, Turkey; [3]Biology, Middle East Technical University, Ankara, Turkey; [4]Electrical and Electronics Engineering, Hacettepe University, Ankara, Turkey
17	Multisensory salience shapes zebrafish target-tracking performance during rheotaxis	**Şevval İzel Solmaz**, İsmail Uyanık,	Hacettepe University Bioengineering Division