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Research Areas

- ✓ Pathogenesis of neurological disorders
- ✓ Diagnosis of neurological disorders
- ✓ Pathogenesis of psychiatric disorders
- ✓ The scales in psychiatric disorders
- ✓ Reliability and validity of neuropsychology scales
- ✓ Neuroinflammation
- ✓ Neuroprotective molecules
- ✓ Biomarkers in neurological and psychiatric disorders
- ✓ Electrophysiology
- ✓ EVOK potential
- ✓ Neuroradiology
- ✓ Neurodegeneration

Recent Publications

- Tüfekci KU, Meuwissen RL, Genç S. The role of microRNAs in biological processes. *Methods Mol Biol.* 2014;1107:15-31. doi: 10.1007/978-1-62703-748-8_2. PubMed PMID: 24272429.
- Tüfekci KU, Oner MG, Meuwissen RL, Genç S. The role of microRNAs in human diseases. *Methods Mol Biol.* 2014;1107:33-50. doi: 10.1007/978-1-62703-748-8_3. PubMed PMID: 24272430.
- Lee SE, Tartaglia MC, Yener G, Genç S, Seeley WW, Sanchez-Juan P, Moreno F, Mendez MF, Klein E, Rademakers R, Munain AL, Combarros O, Kramer JH, Kenet RO, Boxer AL, Geschwind MD, Gorno-Tempini ML, Karydas AM, Rabinovici GD, Coppola G, Geschwind DH, Miller BL. Neurodegenerative disease phenotypes in carriers of MAPT p.A152T, a risk factor for frontotemporal dementia spectrum disorders and Alzheimer disease. *Alzheimer Dis Assoc Disord.* 2013 Oct-Dec;27(4):302-9. doi:10.1097/WAD.0b013e31828cc357. PubMed PMID: 23518664; PubMed Central PMCID: PMC3796183.
- Yener GG, Güntekin B, Örken DN, Tülay E, Forta H, Başar E. Auditory delta event-related oscillatory responses are decreased in Alzheimer's disease. *Behav Neurol.* 2012;25(1):3-11. doi: 10.3233/BEN-2012-0344. PubMed PMID: 22207418.
- Güntekin B, Emek-Savaş DD, Kurt P, Yener GG, Başar E. Beta oscillatory responses in healthy subjects and subjects with mild cognitive impairment. *Neuroimage Clin.* 2013 Jul 17;3:39-46. doi: 10.1016/j.nicl.2013.07.003. eCollection 2013. PubMed PMID: 24179847; PubMed Central PMCID: PMC3791295.

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- Yener GG, Başar E. Biomarkers in Alzheimer's disease with a special emphasis on event-related oscillatory responses. *Suppl Clin Neurophysiol.* 2013;62:237-73. Review. PubMed PMID: 24053044.
- Başar E, Başar-Eroğlu C, Güntekin B, Yener GG. Brain's alpha, beta, gamma, delta, and theta oscillations in neuropsychiatric diseases: proposal for biomarker strategies. *Suppl Clin Neurophysiol.* 2013;62:19-54. Review. PubMed PMID: 24053030.
- Başar E, Başar-Eroğlu C, Ozerdem A, Rossini PM, Yener GG. Application of brain oscillations to neuropsychiatric diseases: a new land? Preface. *Suppl Clin Neurophysiol.* 2013;62:v-vi. PubMed PMID: 24053028.
- Yener GG, Kurt P, Emek-Savaş DD, Güntekin B, Başar E. Reduced visual event-related delta oscillatory responses in amnesic mild cognitive impairment. *J Alzheimers Dis.* 2013;37(4):759-67. doi: 10.3233/JAD-130569. PubMed PMID: 23948923.
- Ozerdem A, Rasgon N. Women with bipolar disorder: a lifetime challenge from diagnosis to treatment. *Bipolar Disord.* 2014 Feb;16(1):1-4. doi: 10.1111/bdi.12161. PubMed PMID: 24467468.
- Atagün Mİ, Güntekin B, Ozerdem A, Tülay E, Başar E. Decrease of theta response in euthymic bipolar patients during an oddball paradigm. *Cogn Neurodyn.* 2013 Jun;7(3):213-23. doi: 10.1007/s11571-012-9228-7. Epub 2012 Dec 9. PubMed PMID: 24427202; PubMed Central PMCID: PMC3654148.
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