

Prof. EMİNE EREN KOÇAK

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Turkey 2005 - 2009

Expertise In Medicine, Başkent Üniversitesi, Tıp Fakültesi, Psikiyatri Ad, Turkey 2000 - 2005

Undergraduate, Hacettepe Üniversitesi, Tıp Fakültesi, Turkey 1994 - 2000

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Psychiatry, Life Sciences, Neurobiology, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Nörolojik Bilimler ve Psikiyatri Enstitüsü, Klinik Nöroloji ve Psikiyatri A.B.D., 2019 - Continues

Associate Professor, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, Klinik Nöroloji Ve Psikiyatri A.B.D., 2014 - 2019

Assistant Professor, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, Nörolojik Ve Psikolojik Temel Bilimler A.B.D., 2011 - 2014

Lecturer, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, Nörolojik Ve Psikolojik Temel Bilimler A.B.D., 2010 - 2011

Research Assistant, Hacettepe University, Nörolojik Bilimler Ve Psikiyatri Enstitüsü, Nörolojik Ve Psikolojik Temel Bilimler A.B.D., 2005 - 2010

Research Assistant, Baskent University, School Of Medicine, Department Of Internal Medicine, 2000 - 2005

Academic and Administrative Experience

Hacettepe Üniversitesi, Nörolojik Bilimler ve Psikiyatri Enstitüsü, 2014 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- The Effects of P2X7 Antagonism on Neuroinflammation Following Optogenetically-Triggered Cortical Spreading Depression**

Uzay B., Donmez-Demir B., Yilmaz-Ozcan S., Eren-Kocak E., Yemisci M., Dalkara T., Karatas H.

CEPHALALGIA, vol.41, no.1_SUPPL, pp.20, 2021 (Journal Indexed in SCI)

- II. **The Effect of P2X7 Antagonism on Subcortical Spread of Optogenetically-Triggered Cortical Spreading Depression**
Uzay B., Donmez-Demir B., Yilmaz-Ozcan S., Eren-Kocak E., Ozkan M. Y. , Dalkara T., Kurun H.
EUROPEAN JOURNAL OF NEUROLOGY, vol.28, pp.308, 2021 (Journal Indexed in SCI)
- III. **Effect of FGF-AS Modulation on Neurogenesis in Rat Hippocampus**
Uzay B., EREN KOÇAK E.
BIOLOGICAL PSYCHIATRY, vol.89, no.9, 2021 (Journal Indexed in SCI)
- IV. **Nuclear expansion and pore opening are instant signs of neuronal hypoxia and can identify poorly fixed brains**
DEGHANI A., Karatas H., CAN A. B. , ERDEMLI E., YEMISCI M., EREN-KOCAK E., DALKARA T.
SCIENTIFIC REPORTS, vol.8, 2018 (Journal Indexed in SCI)
- V. **Stress modulates cortical excitability via alpha-2 adrenergic and glucocorticoid receptors: As assessed by spreading depression**
Yapici-Eser H., DONMEZ-DEMİR B., Kilic K., Eren-Kocak E., DALKARA T.
EXPERIMENTAL NEUROLOGY, vol.307, pp.45-51, 2018 (Journal Indexed in SCI)
- VI. **Striatal Neurotransmitter Release-related Presynaptic Proteins in L-dopa Induced Dyskinesia in a Model of Parkinsonism**
YALÇIN ÇAKMAKLI G., VURAL A., EREN KOÇAK E., ELİBOL B., Saka E.
NOROSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.55, no.1, pp.73-79, 2018 (Journal Indexed in SCI)
- VII. **Inadequate Brain Glycogen or Sleep Increases Spreading Depression Susceptibility**
KILIÇ K., Karatas H., DONMEZ-DEMİR B., Eren-Kocak E., GURSOY-OZDEMİR Y., Can A., PETİT J., Magistretti P. J. , DALKARA T.
ANNALS OF NEUROLOGY, vol.83, no.1, pp.61-73, 2018 (Journal Indexed in SCI)
- VIII. **Brain Peptides for the Treatment of Neuropsychiatric Disorders**
Karatas H., YEMISCI M., EREN-KOCAK E., DALKARA T.
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.33, pp.3905-3917, 2018 (Journal Indexed in SCI)
- IX. **Cognitive Dysfunctions in Posttraumatic Stress Disorder**
EREN KOÇAK E., KILIÇ C.
TURK PSIKIYATRI DERGISI, vol.28, no.2, pp.124-131, 2017 (Journal Indexed in SSCI)
- X. **A Simple Extraction Procedure for HPLC Analysis of Fluoxetine in Rat Plasma Samples**
REÇBER T., Ozkan E., Eren-Kocak E., YILMAZ M., NEMUTLU E., KIR S.
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.80-84, 2017 (Journal Indexed in SCI)
- XI. **Dysregulated fibroblast growth factor (FGF) signaling in neurological and psychiatric disorders**
Turner C. A. , Eren-Kocak E., Inui E. G. , Watson S. J. , Akil H.
SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY, vol.53, pp.136-143, 2016 (Journal Indexed in SCI)
- XII. **Posttraumatic Growth After Earthquake Trauma is Predicted by Executive Functions A Pilot Study**
Eren-Kocak E., KILIÇ C.
JOURNAL OF NERVOUS AND MENTAL DISEASE, vol.202, no.12, pp.859-863, 2014 (Journal Indexed in SCI)
- XIII. **Effects of Acute and Chronic Electroconvulsive Shocks on Glycogen Synthase Kinase 3[beta] Level and Phosphorylation in Mice**
BAŞAR K., Eren-Kocak E., Ozdemir H., ERTUĞRUL A.
JOURNAL OF ECT, vol.29, no.4, pp.261-266, 2013 (Journal Indexed in SCI)
- XIV. **The role of fibroblast growth factor antisense in modulation of affective behaviour**
EREN-KOCAK E., YILMAZ M., BAŞAR K., AYHAN Y., Ozdemir H., ŞEN Z.
EUROPEAN NEUROPSYCHOPHARMACOLOGY, vol.23, 2013 (Journal Indexed in SCI)
- XV. **Spreading Depression Triggers Headache by Activating Neuronal Panx1 Channels**
KARATAS H., ERDENER Ş. E. , GURSOY-OZDEMİR Y., Lule S., EREN-KOCAK E., Sen Z. D. , DALKARA T.
SCIENCE, vol.339, no.6123, pp.1092-1095, 2013 (Journal Indexed in SCI)
- XVI. **Psychiatric Disorders and Epigenetics**
KOCAK E., ERTUĞRUL A.

TURK PSIKIYATRI DERGISI, vol.23, no.2, pp.130-140, 2012 (Journal Indexed in SSCI)

XVII. **Short-Hairpin RNA Silencing of Endogenous Fibroblast Growth Factor 2 in Rat Hippocampus Increases Anxiety Behavior**

EREN KOÇAK E., Turner C. A. , Watson S. J. , Akil H.

BIOLOGICAL PSYCHIATRY, vol.69, no.6, pp.534-540, 2011 (Journal Indexed in SCI)

XVIII. **Memory and prefrontal functions in earthquake survivors: differences between current and past post-traumatic stress disorder patients**

Eren-Kocak E., KILIÇ C., Aydın I., Hizli F. G.

ACTA PSYCHIATRICA SCANDINAVICA, vol.119, no.1, pp.35-44, 2009 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Role of AAV-Mediated FGF-AS Overexpression in Neuroinflammation in Rat Hippocampus**
Uzay B., DALKARA T., EREN KOÇAK E.
75th Annual Scientific Convention and Meeting of the Society-of-Biological-Psychiatry (SOBP), New York, United States Of America, 30 April - 02 May 2020, vol.87
- II. **Cortical spreading depression induces expression of BDNF and pro-BDNF proteins, which may impact neuroinflammation**
Yemisci M., Senel B., Yilmaz-Ozcan S., Donmez-Demir B., Karatas-Kursun H., Eren-Kocak E., DALKARA T.
29th International Symposium on Cerebral Blood Flow, Metabolism and Function / 14th International Conference on Quantification of Brain Function with PET (BRAIN and BRAIN Pet), Yokohama, Japan, 4 - 07 July 2019, vol.39, pp.519-520
- III. **Inhibition of retinal and cerebral microvascular glycogen utilization promotes capillary constrictions in mice**
Yemisci M., Uruk G., Yilmaz-Ozcan S., Donmez-Demir B., Karatas-Kursun H., Eren-Kocak E., DALKARA T.
29th International Symposium on Cerebral Blood Flow, Metabolism and Function / 14th International Conference on Quantification of Brain Function with PET (BRAIN and BRAIN Pet), Yokohama, Japan, 4 - 07 July 2019, vol.39, pp.288-289
- IV. **Hippocampal FGF-antisense overexpression increase depression-like behaviour in the rat**
Uzay B., Karatas-Kursun H., Yemisci M., DALKARA T., Eren-Kocak E.
31st Congress of the European-College-of-Neuropsychopharmacology (ECNP), Barcelona, Spain, 6 - 09 October 2018, vol.29
- V. **Effect of Hippocampal Overexpression of a Natural Antisense protein, FGFAS, on Learning and Memory**
uzay b., KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T., EREN KOÇAK E.
73rd Annual Meeting of Society of Biological Psychiatry, 10 May 2018
- VI. **Migren Araştırmaları için yeni bir kortikal yayılan depresyona yatkınlık modeli: Na-K ATPaz A-2 RNA İnterferansı**
TAŞKIRAN SAĞ A., Yılmaz Özcan S., KARATAŞ KURŞUN H., DEMİR B. N. , Hanalioğlu Ş., EREN KOÇAK E., DALKARA T.
53. Ulusal Nöroloji Kongresi, Turkey, 25 - 29 November 2017
- VII. **Fluorescent biomarkers as reporters of poor quality transcatheter perfusion-fixation in frozen brain sections: A much needed tool for experimental neuroscience.**
Dehghani A., KARATAŞ KURŞUN H., CAN A., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., DALKARA T.
Society for Neuroscience Annual Meeting, 11 - 15 November 2017
- VIII. **12/15 lipoxygenase inhibition suppresses neuroinflammation in a thrombotic permanent cerebral ischemia model**
Cakir-Aktas C., Yemisci M., BODUR E., Eren-Kocak E., van Leyen K., DALKARA T., Kursun H. K.
23rd World Congress of Neurology (WCN), Kyoto, Japan, 16 - 21 September 2017, vol.381, pp.863-864
- IX. **12/15 Lipoxygenase Inhibition Suppresses Neuroinflammation in a Thrombotic Permanent Cerebral Ischemia Model**

Çakır Aktaş C., YEMİŞCİ ÖZKAN M., BODUR E., EREN KOÇAK E., van L. K. , DALKARA T., KARATAŞ KURŞUN H.
WCN 2017, Kyoto, Japan, 16 - 22 September 2017, vol.381, pp.863-864

- X. **FGF-AS Overexpression in Medial Prefrontal Cortex Regulates Anxiety-like Behavior in Rats**
EREN KOÇAK E., HÖKELEKLİ F. Ö. , KARATAŞ KURŞUN H., YEMİŞCİ ÖZKAN M., DALKARA T.
30th ECNP Congress, 2 - 05 September 2017
- XI. **The Effect of NUDT6 Expression on Contextual Learning Assessed by Passive Avoidance Test**
Hökeleklİ F. Ö. , Yılmaz M., ESEN E. C. , BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
Annual Meeting of American Psychiatric Association, 20 - 24 May 2017
- XII. **Investigation of a marker for the quality of transcardial perfusion in frozen brain sections in mice**
Dehghani A., KARATAŞ KURŞUN H., CAN A., YEMİŞCİ ÖZKAN M., EREN KOÇAK E., DALKARA T.
15. Ulusal Sinirbilim Kongresi, 7 - 10 May 2017, vol.11, pp.35
- XIII. **Lipoksijenaz İnhibisyonunun Akut Geçici Serebral İskemi/Rekanalizasyon Modelinde Gelişen Nöroinflamasyona Etkisi**
çakır aktaş C., YEMİŞCİ ÖZKAN M., BODUR E., EREN KOÇAK E., van Leyen K., DALKARA T., KARATAŞ KURŞUN H.
15.Ulusal Sinirbilim Kongresi, 7 - 10 May 2017
- XIV. **NUDT6 Aşırı İfadesi ile Dendritik Çıkıntı Sayısı İlişkisi**
Hökeleklİ F. Ö. , Yılmaz M., ESEN E. C. , BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
15. Ulusal Sinirbilim Kongresi, 7 - 10 May 2017
- XV. **Role of a Natural Antisense Transcript, FGF2-AS, in Affective Behavior**
Hökeleklİ F. Ö. , YILMAZ M., BAŞAR K., AYHAN Y., DALKARA T., EREN KOÇAK E.
72nd Annual Scientific Convention and Meeting of the Society-of-Biological-Psychiatry (SOBP), California, United States Of America, 18 - 20 May 2017, vol.81
- XVI. **Cortical spreading depression can be triggered by photic stimulation in susceptible mouse brain**
Hanalioğlu S., Taskiran Sag A., KARATAŞ KURŞUN H., Eren Kocak E., Yemisci Ozkan M., GURSOY OZDEMİR Y., DALKARA T.
FENS, 2 - 06 July 2016
- XVII. **Depresyon nörobiyolojisinde yeni bir molekül GFG**
EREN KOÇAK E., BAŞAR K., AYHAN Y., YILMAZ M.
50. Ulusal Psikiyatri Kongresi, Antalya, Turkey, 12 - 16 November 2014, vol.25, pp.5-6
- XVIII. **The role of FGF2 AS in stress and depression like behavior in rats**
EREN KOÇAK E., BAŞAR K., YILMAZ M., AYHAN Y., DALKARA T.
Annual Meeting of Society for Neuroscience, San Diego, United States Of America, 9 - 13 November 2013
- XIX. **Striatal neurotransmitter release-related presynaptic proteins in L-dopa induced dyskinesia in 6-hydroxydopamine model of parkinsonism**
YALÇIN ÇAKMAKLI G., VURAL A., EREN KOÇAK E., ELİBOL B., SAKA TOPÇUOĞLU E.
14th International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, 13 - 17 June 2010
- XX. **Tenses can have different effects on declarative processes**
Kocak O. M. , Yuksel S., Yılmaz A., Eren-Kocak E., Sayar K.
22nd Congress of the European-College-of-Neuropsychopharmacology, İstanbul, Turkey, 12 - 16 September 2009, vol.19
- XXI. **Sıçanda L-dopa diskinezi modelinde striatal presinaptik proteinlerin ekspresyonu**
YALÇIN ÇAKMAKLI G., EREN KOÇAK E., ELİBOL B., SAKA TOPÇUOĞLU E.
43. Ulusal Nöroloji Kongresi, Antalya, Turkey, 10 - 15 November 2007, vol.13, pp.89
- XXII. **Effects of chronic electroconvulsive shock on glycogen synthase kinase 3 beta protein level and phosphorylation pattern in hippocampus and frontal lobe**
BAŞAR K., EREN KOÇAK E., DALKARA T., REZAKİ M.
15. CINP (International College of Neuropsychopharmacology) Congress, Şikago, United States Of America, 9 - 13 July 2006, vol.9, pp.178

Supported Projects

YEMİŐCİ ÖZKAN M., DEMİR B. N. , KARATAŐ KURŐUN H., EREN KOŐAK E., YILMAZ ÖZCAN S., DALKARA T., ŐENEL B., Project Supported by Higher Education Institutions, Beyin Kőkenli Nőrotrofik Faktőrőn (BDNF) Erken Dőnem Nőroinflamasyona Etkileri, 2018 - 2020

EREN KOŐAK E., Project Supported by Higher Education Institutions, 30 ECNP Kongresi Katılm, 2017 - 2018

YEMİŐCİ ÖZKAN M., YILMAZ ÖZCAN S., Uruk G., KARATAŐ KURŐUN H., EREN KOŐAK E., Project Supported by Higher Education Institutions, Glikojenin İskemik İnme Retinal İskemi ve Migren Aurası Őzerine Olan Etkilerinin Nőrogliovaskőler Seviyede İncelenmesi, 2017 - 2018

EREN KOŐAK E., Hőkeleklı F. Ő. , KARATAŐ KURŐUN H., YEMİŐCİ ÖZKAN M., Project Supported by Higher Education Institutions, Prefrontal Kortekste NUDT6 İfadesindeki Deęişikliklerin Sıçanda Depresyon-benzeri ve Anksiyete-benzeri DavranıŐa Etkileri, 2016 - 2018

KARATAŐ KURŐUN H., BODUR E., őkIR AKTAŐ C., YEMİŐCİ ÖZKAN M., EREN KOŐAK E., Project Supported by Higher Education Institutions, SEREBRAL İSKEMİ MODELİNDE OLUŐAN NŐROİNFLAMASYON ŐZERİNE 1215 LİPOOKSİJENAZ İNHİBİTŐRLERİNİN ETKİŐİ, 2016 - 2018

EREN KOŐAK E., Project Supported by Higher Education Institutions, Nőrolojik ve Psikiyatrik Hastalıklarda Bőyőme Faktőrleri: Afektif Bozukluklarda FGF2 ve FGF-AS'in Rolő, 2017 - 2017

SAKA TOPŐUOęLU E., ELİBOL B., ÖZKAN E., EREN KOŐAK E., YALőIN őkAKMAKLI G., Project Supported by Higher Education Institutions, Ventral ve dorsal striatumun hafif ve aęır dopaminerjik denervasyonu modellerinde apomorfinle tetiklenecek dopamin disregőlasyon sendromu ve dőrtő kontrol bozukluęunun incelenmesi, 2015 - 2017

KILIő C., EREN KOŐAK E., İNCİ F., Project Supported by Higher Education Institutions, Tőrkiyede travma sonrası bőyőme: klinik sosyal ve nőrokognitif yőnleri, 2015 - 2015

EREN KOŐAK E., KILIő C., Project Supported by Higher Education Institutions, Yőrőtőcő iŐlevler depremden sonra geliŐen travma sonrası bőyőmeyi őngőrőr, 2015 - 2015

EREN KOŐAK E., Project Supported by Higher Education Institutions, Elektrokonvulsif nőbetlerin kan beyin bariyeri Őzerine olası etkisi ve bu etkinin mekanizmaları, 2012 - 2015

Citations

Total Citations (WOS):397

h-index (WOS):7