

Prof. ŐERMİN GENÇ

Personal Information

Mobile Phone: [+90 533 812 6199](tel:+905338126199)

Email: sermin.genc@deu.edu.tr

Web: <https://avesis.deu.edu.tr/sermin.genc>

International Researcher IDs

ScholarID: ikbKS60AAAAJ

ORCID: 0000-0001-6126-7460

Publons / Web Of Science ResearcherID: AAG-5348-2019

ScopusID: 7005739677

Yoksis Researcher ID: 2453

Education Information

Doctorate, Dokuz Eylul University, Saęlık Bilimleri Enstitüsü, Tıbbi Biyoloji Ve Genetik (Dr), Turkey 1999 - 2003

Expertise In Medicine, Dokuz Eylul University, Tıp Fakóltesi, Dahili Tıp Bilimleri Bölümü, Turkey 1993 - 1998

Undergraduate, Ege University, Faculty Of Medicine, Tıp Pr., Turkey 1986 - 1992

Dissertations

Doctorate, Erken yaş başlangıçlı parkinson hastalarında parkin gen mutasyonlarının belirlenmesi, Dokuz Eylul University, Saęlık Bilimleri Enstitüsü, Tıbbi Biyoloji Ve Genetik (Dr), 2003

Research Areas

Life Sciences, Molecular Biology and Genetics, Neurobiology, Natural Sciences

Academic Titles / Tasks

Professor, Dokuz Eylul University, Saęlık Bilimleri Enstitüsü, 2012 - Continues

Associate Professor, Dokuz Eylul University, Saęlık Hizmetleri Meslek Yüksekokulu, Saęlık Hizmetleri Meslek Yüksekokulu, 2006 - 2012

Academic and Administrative Experience

Dokuz Eylul University, 2015 - Continues

Dokuz Eylul University, 2010 - 2013

Courses

Bir Arařtırmaı Yayına Dönüřtürme Süreci, Doctorate, 2022 - 2023

Uzmanlık Alanı, Doctorate, 2022 - 2023, 2021 - 2022
Uzmanlık Alanı, Postgraduate, 2021 - 2022
Tez çalışması, Doctorate, 2022 - 2023, 2021 - 2022
Uzmanlık Alanı, Doctorate, 2022 - 2023, 2021 - 2022
Kodlamayan RNA ve Beyin, Doctorate, 2021 - 2022
Teze İlişkin Araştırma Konuları II, Doctorate, 2021 - 2022
Tez Çalışması, Postgraduate, 2021 - 2022
Seminer, Doctorate, 2022 - 2023

Advising Theses

GENÇ Ş., Bilirubin NLRP3 inflamazom aktivasyonu üzerine in vivo ve in vitro etkisi, Doctorate, İ.ERCAN(Student), 2023
Genç Ş., Zebrabalığında in vivo redoks modülasyonunun nörogenez üzerine etkisi, Doctorate, D.ENGÜR(Student), 2022
Genç Ş., M2 polarize mikroglia kökenli ekzozomal miR-191-5p'nin oksidatif stres aracılı nöronal hasar üzerindeki nöroprotektif etkilerinin incelenmesi, Postgraduate, Ç.NİĞDE(Student), 2022
Genç Ş., Investigation of alterations created by NLRP3 activation on perineuronal nets, Doctorate, E.TARAKÇIOĞLU(Student), 2022
Genç Ş., Ekzozomal miR-34a Aracılığıyla Mikroglia – Nöron Etkileşimi, Postgraduate, N.SATI(Student), 2021
GENÇ Ş., Alzheimer hastalığının tanısında ve yayılımında nöron kökenli ekzozomlar, Postgraduate, D.YAĞMUR(Student), 2020
GENÇ Ş., Mikroglial hücrelerde dietil maleat'ın NLRP3 inflamazom aktivasyonu üzerine etkilerinin araştırılması, Postgraduate, Ç.KİSER(Student), 2020
GENÇ Ş., MicroRNA mediated regulation of NLRP3 inflammasome in N9 microglia through AMPK-SIRT1 pathway, Postgraduate, B.İREM(Student), 2020
GENÇ Ş., The effects of ethyl pyruvate on NLRP3 inflammasome activation in microglial cells, Postgraduate, İ.NUR(Student), 2019
GENÇ Ş., Studies Toward the Development of Extracellular Vesicle Profiling and Sensor System, Doctorate, M.SALİH(Student), 2019
GENÇ Ş., Development of biomarkers for alzheimer's and parkinson's diseases, Doctorate, E.EREN(Student), 2018
GENÇ Ş., The effects of dimethyl fumarate on nlrp3 inflammasome activation in microglial cells, Postgraduate, B.TAŞTAN(Student), 2018
GENÇ Ş., Analyzing mirna expression changes in bipolar disorder patientspecific induced pluripotent stem cells (İPSC), Doctorate, B.ALURAL(Student), 2018
GENÇ Ş., Elucidation of Nickel Tolerance Mechanisms in Puccinellia distans (Jacq.) Parl. Using a Transcriptomic Approach, Doctorate, M.DİRENÇ(Student), 2017
GENÇ Ş., The effects of melatonin on inflammasome activation in microglial cells, Postgraduate, B.İBRAHİM(Student), 2017
GENÇ Ş., Confirmation of presence of known erythropoietin receptors in gbm cells and further investigating effect of erythropoietin in proliferation, invasion, migration and angiogenesis, Postgraduate, Z.ÖZGE(Student), 2017
GENÇ Ş., Investigation of dedifferentiation capacity of astrocytes generated from murine embryonic stem cells, Doctorate, K.UĞUR(Student), 2017
GENÇ Ş., Role of tnf related apoptosis inducing ligand (TRAIL) in ischemic stroke, Doctorate, U.VURGUN(Student), 2016
KUTLUK M. K., GENÇ Ş., Trail level in ischemic stroke, Expertise In Medicine, O.YİĞİTASLAN(Student), 2015
GENÇ Ş., The investigation of the effect of erythropoietin on the signaling mechanism of SHSY-5Y cell line by proteomic method, Doctorate, Z.ERBAYRAKTAR(Student), 2014
GENÇ Ş., The effect of erythropoietin on MRMA level in shsy-5y cell line by microarray, Doctorate, Z.FİLİZ(Student), 2013
GENÇ Ş., Development of new biomarkers in alzheimer's disease: MicroRNA analysis from serum, Postgraduate, M.GÜLFEM(Student), 2012
GENÇ Ş., The effect of Visfatin -948 G-T polymorphism in predisposition for Alzheimer's Disease, Postgraduate,

U.VURGUN(Student), 2011

GENÇ Ş., Effect of erythropoietin on the microRNA expression levels of SH-SY5Y cell line, Postgraduate,

D.TUNALI(Student), 2011

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Biomarkers of NRF2 signalling: Current status and future challenges**
Morgenstern C., Lastres-Becker I., Demirdöğen B. C., Costa V. M., Daiber A., Foresti R., Motterlini R., Kalyoncu S., Arioiz B. I., GENÇ Ş., et al.
Redox Biology, vol.72, 2024 (SCI-Expanded)
- II. **A New Perspective on the Pathogenesis of Infantile Colic: Is Infantile Colic a Biorhythm Disorder?**
Ucuncu Egeli T., Tufekci K. U., Ural C., Durur D. Y., Erdogan F., Cavdar Z., Genc S., Keskinoglu P., Duman N., Ozkan H.
Journal of Pediatric Gastroenterology and Nutrition, vol.77, no.2, pp.171-177, 2023 (SCI-Expanded)
- III. **Bilirubin induces microglial NLRP3 inflammasome activation in vitro and in vivo**
Ercan I., CİLAKER MIÇILI S., Soy S., Engur D., Tufekci K. U., Kumral A., GENÇ Ş.
Molecular and Cellular Neuroscience, vol.125, 2023 (SCI-Expanded)
- IV. **Proximity extension assay-based proteomics studies in neurodegenerative disorders and multiple sclerosis**
Arioiz B. I., Cotuk A., Yaka C. E., GENÇ Ş.
European Journal of Neuroscience, 2023 (SCI-Expanded)
- V. **Hydrogen peroxide signaling modulates neuronal differentiation *via* microglial polarization and Wnt/ β -catenin pathway**
Engur D., Ercan I., Kiser C., Tufekci K., Soy S., Micili S., Ozhan G., Guven S., Kumral A., GENÇ Ş.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, no.11, pp.5083-5096, 2023 (SCI-Expanded)
- VI. **Nrf2 activator Diethyl Maleate attenuates ROS mediated NLRP3 inflammasome activation in murine microglia**
Kiser C., Gonul C. P., GENÇ Ş.
Cytotechnology, 2023 (SCI-Expanded)
- VII. **Melatonin Alters the miRNA Transcriptome of Inflammasome Activation in Murine Microglial Cells**
Tarakcioglu E., Tastan B., Arioiz B., Tufekci K. U., Genc S.
NEUROCHEMICAL RESEARCH, vol.47, no.10, pp.3202-3211, 2022 (SCI-Expanded)
- VIII. **In vitro effects of H₂O₂ on neural stem cell differentiation**
Eltutan B. I., Kiser C., Ercan I., Tufekci K. U., Engur D., GENÇ Ş., KUMRAL A.
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, vol.58, no.9, pp.810-816, 2022 (SCI-Expanded)
- IX. **Pros and cons of NRF2 activation as adjunctive therapy in rheumatoid arthritis.**

Manda G., Milanesi E., Genc Ş., Niculite C. M., Neagoe I. V., Tastan B., Dragnea E. M., Cuadrado A.
Free radical biology & medicine, vol.190, pp.179-201, 2022 (SCI-Expanded)

- X. **Alteration of miRNAs in Small Neuron-Derived Extracellular Vesicles of Alzheimer's Disease Patients and the Effect of Extracellular Vesicles on Microglial Immune Responses.**
Durur D. Y., Tastan B., Tufekci K. U., Olcum M., Uzuner H., Karakulah G., YENER G., Genc Ş.
Journal of molecular neuroscience : MN, vol.72, no.6, pp.1182-1194, 2022 (SCI-Expanded)
- XI. **Targeting NLRP3 Inflammasome With Nrf2 Inducers in Central Nervous System Disorders.**
Tastan B., Arioiz B. I., Genc Ş.
Frontiers in immunology, vol.13, pp.865772, 2022 (SCI-Expanded)
- XII. **Resveratrol Inhibits NLRP3 Inflammasome-Induced Pyroptosis and miR-155 Expression in Microglia Through Sirt1/AMPK Pathway**
Tufekci K. U., Eltutan B. I., Isci K. B., Genc Ş.
NEUROTOXICITY RESEARCH, vol.39, no.6, pp.1812-1829, 2021 (SCI-Expanded)
- XIII. **Inhibitory effects of sulforaphane on NLRP3 inflammasome activation**
Kiser C., Gonul C. P., Olcum M., GENÇ Ş.
MOLECULAR IMMUNOLOGY, vol.140, pp.175-185, 2021 (SCI-Expanded)
- XIV. **Dimethyl Fumarate Alleviates NLRP3 Inflammasome Activation in Microglia and Sickness Behavior in LPS-Challenged Mice**
Tastan B., Arioiz B. I., Tufekci K. U., Tarakcioglu E., Gonul C. P., Genc K., Genc Ş.
FRONTIERS IN IMMUNOLOGY, vol.12, 2021 (SCI-Expanded)
- XV. **The Role of Melatonin on NLRP3 Inflammasome Activation in Diseases**
Arioiz B. I., Tarakcioglu E., Olcum M., GENÇ Ş.
ANTIOXIDANTS, vol.10, no.7, 2021 (SCI-Expanded)
- XVI. **Antiviral microRNA expression signatures are altered in subacute sclerosing panencephalitis**
Tufekci K. U., Allmer J., Carman K. B., BAYRAM E., TOPÇU Y., Hiz S., GENÇ Ş., YİŞ U.
NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.38, no.3, pp.166-172, 2021 (SCI-Expanded)
- XVII. **Proteome profiling of neuron-derived exosomes in Alzheimer's disease reveals hemoglobin as a potential biomarker**
Arioiz B. I., Tufekci K. U., Olcum M., Durur D. Y., Akarlar B. A., Ozlu N., Bagriyanik H. A., Keskinoglu P., Yener G., Genc Ş.
NEUROSCIENCE LETTERS, vol.755, 2021 (SCI-Expanded)
- XVIII. **Ethyl Pyruvate Attenuates Microglial NLRP3 Inflammasome Activation via Inhibition of HMGB1/NF-κB/miR-223 Signaling.**
Olcum M., Tufekci K. U., Durur D. Y., Tastan B., Gokbayrak I. N., Genc K., Genc Ş.
Antioxidants (Basel, Switzerland), vol.10, no.5, 2021 (SCI-Expanded)
- XIX. **Sulforaphane inhibits NLRP3 inflammasome activation in microglia through Nrf2-mediated miRNA alteration.**
Tufekci K. U., Ercan I., Isci K. B., Olcum M., Tastan B., Gonul C. P., Genc K., Genc Ş.
Immunology letters, vol.233, pp.20-30, 2021 (SCI-Expanded)
- XX. **Lithium inhibits oxidative stress-induced neuronal senescence through miR-34a.**
Tufekci K. U., Alural B., Tarakcioglu E., San T., Genc Ş.
Molecular biology reports, vol.48, no.5, pp.4171-4180, 2021 (SCI-Expanded)
- XXI. **Oxygen exposure in early life activates NLRP3 inflammasome in mouse brain**
CİLAKER MIÇİLİ S., Engur D., GENÇ Ş., Ercan I., Soy S., Baysal B., KUMRAL A.
NEUROSCIENCE LETTERS, vol.738, 2020 (SCI-Expanded)
- XXII. **Inhibitory effects of phytochemicals on NLRP3 inflammasome activation: A review**
Olcum M., Tastan B., Ercan I., Eltutan I. B., GENÇ Ş.
PHYTOMEDICINE, vol.75, 2020 (SCI-Expanded)
- XXIII. **Circulating exosomal microRNAs in bipolar disorder**
Ceylan D., Tufekci K. U., Keskinoglu P., Genç Ş., Ozerdem A.
JOURNAL OF AFFECTIVE DISORDERS, vol.262, pp.99-107, 2020 (SCI-Expanded)

- XXIV. **Microglial NLRP3 inflammasome activation in multiple sclerosis.**
Olcum M., Tastan B., Kiser C., Genc Ş., Genc K.
Advances in protein chemistry and structural biology, vol.119, pp.247-308, 2020 (SCI-Expanded)
- XXV. **Examination of IL-1 beta level as an inflammasome marker in Alzheimer's disease**
Bulut O., Tanburoglu A., Boluk G., Demir N., Eren E., Vurgun U., GENÇ Ş., Yener G.
NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.36, no.3, pp.141-147, 2019 (SCI-Expanded)
- XXVI. **Melatonin Attenuates LPS-Induced Acute Depressive-Like Behaviors and Microglial NLRP3 Inflammasome Activation Through the SIRT1/Nrf2 Pathway**
Arioz B., Tastan B., Tarakcioglu E., Tufekci K. U., Olcum M., Ersoy N., BAĞRIYANIK H. A., Genc K., GENÇ Ş.
FRONTIERS IN IMMUNOLOGY, vol.10, 2019 (SCI-Expanded)
- XXVII. **Stem Cell Therapy for Multiple Sclerosis**
Genc B., Bozan H. R., GENÇ Ş., Genc K.
TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.1084, pp.145-174, 2019 (SCI-Expanded)
- XXVIII. **Follow-up Analysis of Serum TNF-Related Apoptosis-Inducing Ligand Protein and mRNA Expression in Peripheral Blood Mononuclear Cells from Patients with Ischemic Stroke**
Tufekci K. U., Vurgun U., Yigitaslan O., Keskinoglu P., Yaka E., Kutluk M. K., Genç Ş.
FRONTIERS IN NEUROLOGY, vol.9, 2018 (SCI-Expanded)
- XXIX. **Peptide Derivatives of Erythropoietin in the Treatment of Neuroinflammation and Neurodegeneration**
Ercan I., Tufekci K. U., Karaca E., GENÇ Ş., Genc K.
THERAPEUTIC PROTEINS AND PEPTIDES, vol.112, pp.309-357, 2018 (SCI-Expanded)
- XXX. **Sulforaphane Inhibits Lipopolysaccharide-Induced Inflammation, Cytotoxicity, Oxidative Stress, and miR-155 Expression and Switches to Mox Phenotype through Activating Extracellular Signal-Regulated Kinase 1/2-Nuclear Factor Erythroid 2-Related Factor 2/Antioxidant Response Element Pathway in Murine Microglial Cells**
Eren E., Tufekci K. U., Isci K. B., Tastan B., Genc K., GENÇ Ş.
FRONTIERS IN IMMUNOLOGY, vol.9, 2018 (SCI-Expanded)
- XXXI. **Proteomic analysis of erythropoietin-induced changes in neuron-like SH-SY5Y cells**
Erbayraktar Z., Onkal Z., Genc K. K., GENÇ Ş.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.2, pp.213-221, 2017 (SCI-Expanded)
- XXXII. **MicroRNA exocytosis by large dense-core vesicle fusion**
Gumurdu A., Yildiz R., Eren E., KARAKÜLAH G., Unver T., GENÇ Ş., Park Y.
SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)
- XXXIII. **Diagnostic and therapeutic potential of microRNAs in neuropsychiatric disorders: Past, present, and future**
Alural B., GENÇ Ş., Haggarty S. J.
PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY, vol.73, pp.87-103, 2017 (SCI-Expanded)
- XXXIV. **Stem Cell-Based Approaches for Treatment of Glioblastoma**
Erkan E. P., Eren E., GENÇ Ş., Genc K. K.
NEUROLOGICAL REGENERATION, pp.65-82, 2017 (SCI-Expanded)
- XXXV. **Improved Cerebrospinal Fluid-Based Discrimination between Alzheimer's Disease Patients and Controls after Correction for Ventricular Volumes**
van Doorn L. J. C. v. W., Gispert J. D., Kuiperij H. B., Claassen J. A. H. R., Arighi A., Baldeiras I., Blennow K., Bozzali M., Castelo-Branco M., Cavado E., et al.
JOURNAL OF ALZHEIMERS DISEASE, vol.56, no.2, pp.543-555, 2017 (SCI-Expanded)
- XXXVI. **Erythropoietin Promotes Glioblastoma via miR-451 Suppression**
Alural B., Ayyildiz Z. O., Tufekci K. U., GENÇ Ş., Genc K.
ERYTHROPOIETIN, vol.105, pp.249-271, 2017 (SCI-Expanded)
- XXXVII. **Validation of a quantitative cerebrospinal fluid alpha-synuclein assay in a European-wide interlaboratory study**

Kruse N., Persson S., Alcolea D., Bahl J. M. C., Baldeiras I., Capello E., Chiasserini D., Chiavetto L. B., Emersic A., Engelborghs S., et al.

NEUROBIOLOGY OF AGING, vol.36, no.9, pp.2587-2596, 2015 (SCI-Expanded)

XXXVIII. **A practical guide to immunoassay method validation**

Andreasson U., Perret-Liaudet A., van Doorn L. J. C. v. W., Blennow K., Chiasserini D., Engelborghs S., Fladby T., GENÇ Ş., Kruse N., Kuipenj H. B., et al.

FRONTIERS IN NEUROLOGY, vol.6, 2015 (SCI-Expanded)

XXXIX. **Lithium protects against paraquat neurotoxicity by NRF2 activation and miR-34a inhibition in SH-SY5Y cells**

Alural B., Ozerdem A., Allmer J., Genc K., GENÇ Ş.

Frontiers in Cellular Neuroscience, vol.9, 2015 (SCI-Expanded)

XL. **Does Caffeine Consumption Modify Cerebrospinal Fluid Amyloid-beta Levels in Patients with Alzheimer's Disease?**

Travassos M., Santana I., Baldeiras I., Tsolaki M., Gkatzima O., GENÇ Ş., Yener G. G., Simonsen A., Hasselbalch S. G., Kapaki E., et al.

JOURNAL OF ALZHEIMERS DISEASE, vol.47, no.4, pp.1069-1078, 2015 (SCI-Expanded)

XLI. **Expression Patterns of Micro-RNAs 146a, 181a, and 155 in Subacute Sclerosing Panencephalitis**

YİŞ U., Tufekci U. K., GENÇ Ş., ÇARMAN K. B., Bayram E., Topcu Y., Kurul S. H.

JOURNAL OF CHILD NEUROLOGY, vol.30, no.1, pp.69-74, 2015 (SCI-Expanded)

XLII. **EPO mediates neurotrophic, neuroprotective, anti-oxidant and anti-apoptotic effects via downregulation of miR-451 and miR-885-5p in SH-SY5Y neuron-like cells**

Alural B., Duran G. A., Tufekci K. U., Allmer J., Onkal Z., Tunali D., Genc K., GENÇ Ş.

FRONTIERS IN IMMUNOLOGY, vol.5, 2014 (SCI-Expanded)

XLIII. **The Role of MicroRNAs in Human Diseases**

Tufekci K. U., Oner M. G., Meuwissen R. L. J., GENÇ Ş.

MIRNOMICS: MICRORNA BIOLOGY AND COMPUTATIONAL ANALYSIS, vol.1107, pp.33-50, 2014 (SCI-Expanded)

XLIV. **The Role of MicroRNAs in Biological Processes**

Tufekci K. U., Meuwissen R. L. J., GENÇ Ş.

MIRNOMICS: MICRORNA BIOLOGY AND COMPUTATIONAL ANALYSIS, vol.1107, pp.15-31, 2014 (SCI-Expanded)

XLV. **Neurodegenerative Disease Phenotypes in Carriers of MAPT p.A152T, A Risk Factor for Frontotemporal Dementia Spectrum Disorders and Alzheimer Disease**

Lee S. E., Tartaglia M. C., Yener G., GENÇ Ş., Seeley W. W., Sanchez-Juan P., Moreno F., Mendez M. F., Klein E., Rademakers R., et al.

ALZHEIMER DISEASE & ASSOCIATED DISORDERS, vol.27, no.4, pp.302-309, 2013 (SCI-Expanded)

XLVI. **ASSOCIATION OF PERIPHERAL VISFATIN LEVELS AND VISFATIN G-948T GENE POLYMORPHISM WITH ALZHEIMER'S DISEASE IN A TURKISH POPULATION**

Vurgun U., Sahin O., Tufekci K. U., Keskinoğlu P., Yener G., Genc K. K., Genç Ş.

TURKISH JOURNAL OF GERIATRICS-TURK GERIATRI DERGISI, vol.16, no.2, pp.123-128, 2013 (SCI-Expanded)

XLVII. **Resveratrol Reduces Matrix Metalloproteinase-2 Activity Induced by Oxygen-Glucose Deprivation and Reoxygenation in Human Cerebral Microvascular Endothelial Cells**

ÇAVDAR Z., YÜKSEL EĞRİLMEZ M., ALTUN Z. S., ARSLAN N., YENER N., SAYIN O., GENÇ Ş., Genc K., İŞLEKEL G. H., OKTAY G., et al.

INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.82, no.4, pp.267-274, 2012 (SCI-Expanded)

XLVIII. **Inflammation in Parkinson's Disease**

Tufekci K. U., Meuwissen R., GENÇ Ş., Genc K.

INFLAMMATION IN NEUROPSYCHIATRIC DISORDERS, vol.88, pp.69-132, 2012 (SCI-Expanded)

XLIX. **Erythropoietin in neonatal brain protection: the past, the present and the future.**

KUMRAL A., Tuzun F., Oner M. G., GENÇ Ş., Duman N., ÖZKAN H.

Brain & development, vol.33, no.8, pp.632-43, 2011 (SCI-Expanded)

L. **Patient-Specific Pluripotent Stem Cells in Neurological Diseases**

- Durnaoglu S., GENÇ Ş., Genc K.
STEM CELLS INTERNATIONAL, vol.2011, 2011 (SCI-Expanded)
- LI. **Intranasal erythropoietin therapy in nervous system disorders**
GENÇ Ş., Zadeoglulari Z., Oner M. G., Genc K., Digicaylioglu M.
EXPERT OPINION ON DRUG DELIVERY, vol.8, no.1, pp.19-32, 2011 (SCI-Expanded)
- LII. **The Endotoxin-Induced Neuroinflammation Model of Parkinson's Disease**
Tufekci K. U., GENÇ Ş., Genc K.
PARKINSONS DISEASE, vol.2011, 2011 (SCI-Expanded)
- LIII. **The Nrf2/ARE Pathway: A Promising Target to Counteract Mitochondrial Dysfunction in Parkinson's Disease**
Tufekci K. U., Bayin E. C., GENÇ Ş., Genc K.
PARKINSONS DISEASE, vol.2011, 2011 (SCI-Expanded)
- LIV. **White Matter Protection by Erythropoietin: An Emerging Matter in the Treatment of Neonatal Hypoxic-Ischemic Brain Injury**
GENÇ Ş., Genc K., KUMRAL A., ÖZKAN H.
STROKE, vol.41, no.11, 2010 (SCI-Expanded)
- LV. **Alzheimer hastalığında beyin omurilik sıvısı ve serumda beta sekretaz aktivitesi**
Yaka E., Genc S., İyilikçi L., Yener G. G.
Journal of Neurological Sciences (Turkish), vol.27, no.1, pp.69-74, 2010 (SCI-Expanded)
- LVI. **Safety Concerns With the Clinical Use of Erythropoietin in Acute Ischemic Stroke**
KUMRAL A., GENÇ Ş., KUTLUK M. K., ÖZKAN H.
STROKE, vol.41, no.7, 2010 (SCI-Expanded)
- LVII. **Erythropoietin induces nuclear translocation of Nrf2 and heme oxygenase-1 expression in SH-SY5Y cells**
Genc K., Yüksel Eğrilmez M., Genç Ş.
CELL BIOCHEMISTRY AND FUNCTION, vol.28, no.3, pp.197-201, 2010 (SCI-Expanded)
- LVIII. **How Does Early and Late Reoxygenation Following Hypoxia Affect Human Umbilical Vascular Endothelial Cells in Respect to Oxidative Stress?**
ALTUN Z. S., İŞLEKEL G. H., SAYIN O., YÜKSEL EĞRİLMEZ M., GENÇ Ş., Genc K., ÇAVDAR Z., OKTAY G., Guner G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.35, no.3, pp.225-229, 2010 (SCI-Expanded)
- LIX. **Protective Effects of Methylxanthines on Hypoxia-Induced Apoptotic Neurodegeneration and Long-Term Cognitive Functions in the Developing Rat Brain**
KUMRAL A., Yesilirmak D. C., Aykan S., GENÇ Ş., TUĞYAN K., CİLAKER MIÇILI S., Akhisaroglu M., AKSU İ., Sutcuoglu S., YILMAZ O., et al.
NEONATOLOGY, vol.98, no.2, pp.128-136, 2010 (SCI-Expanded)
- LX. **THERAPEUTIC EFFECT OF ERYTHROPOIETIN IN AN EXPERIMENTAL IN VIVO ALZHEIMER'S DISEASE ANIMAL MODEL MODERATED BY D-GALACTOSE INJECTION AT OVARIECTOMIZED RATS**
Sahim O., Vurgun U., Yilmaz O., Sönmez A., Dayı A., Yener G., Genç Ş.
TURKISH JOURNAL OF GERIATRICS-TURK GERIATRI DERGISI, vol.13, no.3, pp.145-149, 2010 (SCI-Expanded)
- LXI. **In vitro reoxygenation following hypoxia increases MMP-2 and TIMP-2 secretion by human umbilical vein endothelial cells**
Çavdar Z., Oktay G., Yüksel Eğrilmez M., Genç Ş., Genc K., Altun Z. S., İşlekel G. H., Guner G.
ACTA BIOCHIMICA POLONICA, vol.57, no.1, pp.69-73, 2010 (SCI-Expanded)
- LXII. **Development of an in vitro Injury Model of Ischemia Reperfusion in Human Brain Microvascular Endothelial Cells and the Evaluation of Cell Injury**
ARSLAN N., SAYIN O., ALTUN Z. S., ÇAVDAR Z., YÜKSEL EĞRİLMEZ M., YENER N., GENÇ Ş., Genc K., OKTAY G., İŞLEKEL G. H., et al.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.35, no.3, pp.195-202, 2010 (SCI-Expanded)
- LXIII. **Cerebrospinal Fluid and Serum Beta Secretase Activities in Alzheimer's Disease**
YAKA E., GENÇ Ş., İYİLİKÇİ KARAOĞLAN L., Yener G.
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.27, no.1, pp.69-74, 2010 (SCI-Expanded)

- LXIV. **Biological markers in cerebrospinal fluid (CSF) and evaluation of in vitro effect of CSF on PC12 cell line viability in Alzheimer's disease**
YAKA E., YÜKSEL EĞRİLMEZ M., Keskinoglu P., ÇAVDAR Z., GENÇ Ş., Genc K., İYİLİKÇİ KARAOĞLAN L., Yener G. G.
CELL BIOCHEMISTRY AND FUNCTION, vol.27, no.6, pp.395-401, 2009 (SCI-Expanded)
- LXV. **TNF-related apoptosis-inducing ligand level in Alzheimer's disease**
GENÇ Ş., YÜKSEL EĞRİLMEZ M., YAKA E., ÇAVDAR Z., İYİLİKÇİ KARAOĞLAN L., Yener G., Genc K.
NEUROLOGICAL SCIENCES, vol.30, no.3, pp.263-267, 2009 (SCI-Expanded)
- LXVI. **Protective Effects of Topiramate against Hyperoxic Brain Injury in the Developing Brain**
Kurul S. H., Yis U., Kumral A., Tugyan K., Cilaker S., KOLATAN H. E., Yilmaz O., GENÇ Ş.
NEURO-PEDIATRICS, vol.40, no.1, pp.22-27, 2009 (SCI-Expanded)
- LXVII. **Pregnenolone protects the PC-12 cell line against amyloid beta peptide toxicity but its sulfate ester does not**
Akan P., Kızıldağ S., Örmən M., Genç Ş., Oektem M. A., Fadiloglu M.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.177, no.1, pp.65-70, 2009 (SCI-Expanded)
- LXVIII. **The Effect of Erythropoietin on Neurotrophic Factors in N9 Murine Microglial Cells**
Kuralay F., Cakirli B. B., GENÇ Ş.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.38, no.6, pp.519-524, 2008 (SCI-Expanded)
- LXIX. **Effect of erythropoietin on oxygen-induced brain injury in the newborn rat**
YIŞ U., Kurul S. H., KUMRAL A., TUĞYAN K., CİLAKER MIÇILI S., YILMAZ O., GENÇ Ş., Genc K.
NEUROSCIENCE LETTERS, vol.448, no.3, pp.245-249, 2008 (SCI-Expanded)
- LXX. **Hyperoxic exposure leads to cell death in the developing brain**
YIŞ U., Kurul S. H., KUMRAL A., CİLAKER MIÇILI S., TUĞYAN K., GENÇ Ş., YILMAZ O.
BRAIN & DEVELOPMENT, vol.30, no.9, pp.556-562, 2008 (SCI-Expanded)
- LXXI. **Oxidative DNA damage in polymorphonuclear leukocytes of patients with familial Mediterranean fever**
Kirkali G., Tunca M., GENÇ Ş., Jaruga P., Dizdaroglu M.
FREE RADICAL BIOLOGY AND MEDICINE, vol.44, no.3, pp.386-393, 2008 (SCI-Expanded)
- LXXII. **Activated protein C reduces endotoxin-induced white matter injury in the developing rat brain**
Yesilirmak D. C., Kumral A., Baskin A. H., Ergur B. U., Aykan S., Genç Ş., Genc K., Yilmaz O., Tugyan K., Giray Ö., et al.
BRAIN RESEARCH, vol.1164, pp.14-23, 2007 (SCI-Expanded)
- LXXIII. **(99)Tc-HMPAO labelling inhibits cell motility and cell proliferation and induces apoptosis of NC-NC cells**
Ulker O., Genç Ş., Ateş H., Durak H., Atabay N.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.631, no.2, pp.69-76, 2007 (SCI-Expanded)
- LXXIV. **Erythropoietin attenuates lipopolysaccharide-induced white matter injury in the neonatal rat brain**
Kumral A., BASKIN A. H., Yesilirmak D. C., Ergur B. U., Aykan S., GENÇ Ş., Genc K., Yilmaz O., Tugyan K., Giray Ö., et al.
NEONATOLOGY, vol.92, no.4, pp.269-278, 2007 (SCI-Expanded)
- LXXV. **Neuroprotective effect of the peptides ADNF-9 and NAP on hypoxic-ischemic brain injury in neonatal rats**
Kumral A., Yesilirmak D. C., Sonmez Ü., BASKIN A. H., Tugyan K., Yilmaz O., GENÇ Ş., Gokmen N., Genc K., Duman N., et al.
BRAIN RESEARCH, vol.1115, pp.169-178, 2006 (SCI-Expanded)
- LXXVI. **Erythropoietin decreases apoptosis induced by 6-hydroxydopamine in PC12 cells**
Genç Ş., Ay M. E., Ateş H.
Turk Geriatri Dergisi, vol.9, no.1, pp.13-18, 2006 (SCI-Expanded)
- LXXVII. **Erythropoietin signaling and neuroprotection**
Genç Ş., Yuksel Egrilmez M., Genc K.
CURRENT SIGNAL TRANSDUCTION THERAPY, vol.1, no.2, pp.209-218, 2006 (SCI-Expanded)
- LXXVIII. **Erythropoietin downregulates Bax and DP5 ProApoptotic gene expression in neonatal hypoxic-ischemic brain injury**

- Kumral A., Genc Ş., Ozer E., Yilmaz O., Gokmen N., Koroglu T., Duman N., Genc K., ÖZKAN H.
BIOLOGY OF THE NEONATE, vol.89, no.3, pp.205-210, 2006 (SCI-Expanded)
- LXXXIX. **Erythropoietin decreases cytotoxicity and nitric oxide formation induced by inflammatory stimuli in rat oligodendrocytes**
Genc K., Genc Ş., BASKIN A. H., Semin I.
PHYSIOLOGICAL RESEARCH, vol.55, no.1, pp.33-38, 2006 (SCI-Expanded)
- LXXX. **Endothelial nitric oxide-mediated Nrf2 activation as a novel mechanism for vascular and neuroprotection by erythropoietin in experimental subarachnoid hemorrhage.**
Genc Ş., Egrilmez M., Genc K.
Medical hypotheses, vol.67, no.2, pp.424, 2006 (SCI-Expanded)
- LXXXI. **Protective effects of erythropoietin against ethanol-induced apoptotic neurodegeneration and oxidative stress in the developing C57BL/6 mouse brain**
Kumral A., Tugyan K., Gonenc S., Genc K., Genc Ş., Sonmez Ü., Yilmaz O., Duman N., Uysal Harzadin N., Özkan H.
DEVELOPMENTAL BRAIN RESEARCH, vol.160, no.2, pp.146-156, 2005 (SCI-Expanded)
- LXXXII. **Biochemical markers in cerebrospinal fluid (CSF) and evaluation of the effect of CSF on PC 12 cell line viability in Alzheimer's disease**
Yaka E., Genc Ş., Genc K., ÇAVDAR Z., Egrilmez M. Y., İYİLİKÇİ KARAOĞLAN L., Yener G. G.
EUROPEAN JOURNAL OF NEUROLOGY, vol.12, pp.194, 2005 (SCI-Expanded)
- LXXXIII. **Does antioxidant supplementation alter the effects of acute exercise on erythrocyte aggregation, deformability and endothelium adhesion in untrained rats?**
Kayatekin B. M., UYSAL HARZADIN N., Resmi H., BEDİZ C. Ş., Temiz-Artmann A., GENÇ Ş., Tugyan K., Acikgoz O., Gonenc S., Akhisaroglu M., et al.
INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH, vol.75, no.4, pp.243-250, 2005 (SCI-Expanded)
- LXXXIV. **Hyperbilirubinemic serum is cytotoxic and induces apoptosis in murine astrocytes.**
Kumral A., Genc Ş., Genc K., Duman N., Tatli M., Sakizli M., ÖZKAN H.
Biology of the neonate, vol.87, no.2, pp.99-104, 2005 (SCI-Expanded)
- LXXXV. **RNA interference in neuroscience**
Genc Ş., Koroglu T., Genc K.
MOLECULAR BRAIN RESEARCH, vol.132, no.2, pp.260-270, 2004 (SCI-Expanded)
- LXXXVI. **Erythropoietin improves long-term spatial memory deficits and brain injury following neonatal hypoxia-ischemia in rats**
Kumral A., UYSAL HARZADIN N., Tugyan K., Sonmez A., Yilmaz O., Gokmen N., Kiray M., Genc Ş., Duman N., Koroglu T., et al.
BEHAVIOURAL BRAIN RESEARCH, vol.153, no.1, pp.77-86, 2004 (SCI-Expanded)
- LXXXVII. **Analysis of cytotoxic T lymphocyte antigen-4 (CTLA-4) exon 1 polymorphism in patients with type 1 diabetes mellitus in a Turkish population**
Genc Ş., Genc K., Sercan O., Kizildag S., Gulay Z., Atay T., Dundar B., Sakizli M., Buyukgebiz A.
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.17, no.5, pp.731-735, 2004 (SCI-Expanded)
- LXXXVIII. **Erythropoietin and the nervous system**
Genc Ş., Koroglu T., Genc K.
BRAIN RESEARCH, vol.1000, pp.19-31, 2004 (SCI-Expanded)
- LXXXIX. **Selective inhibition of nitric oxide in hypoxic-ischemic brain model in newborn rats: Is it an explanation for the protective role of erythropoietin?**
Kumral A., BASKIN A. H., Gokmen N., Yilmaz O., Genc K., Genc Ş., Tatli M., Duman N., Ozer E., ÖZKAN H.
BIOLOGY OF THE NEONATE, vol.85, no.1, pp.51-54, 2004 (SCI-Expanded)
- XC. **Erythropoietin as a novel neuroprotectant**
Genc Ş., Koroglu T., Genc K.
RESTORATIVE NEUROLOGY AND NEUROSCIENCE, vol.22, no.2, pp.105-119, 2004 (SCI-Expanded)
- XCI. **Erythropoietin protects against necrotizing enterocolitis of newborn rats by the inhibiting nitric oxide formation**

- Kumral A., BASKIN A. H., Duman N., Yilmaz O., Tatli M., Ozer E., Gokmen N., GENÇ Ş., ÖZKAN H.
BIOLOGY OF THE NEONATE, vol.84, no.4, pp.325-329, 2003 (SCI-Expanded)
- XCVII. **Bilirubin is cytotoxic to rat oligodendrocytes in vitro.**
Genc Ş., Genc K., Kumral A., BASKIN A. H., ÖZKAN H.
Brain research, vol.985, no.2, pp.135-41, 2003 (SCI-Expanded)
- XCVIII. **Methamphetamine induces oligodendroglial cell death in vitro**
Genc K., Genc Ş., Kizildag S., Sonmez Ü., Yilmaz O., Tugyan K., Ergur B., Sonmez A., Buldan Z.
BRAIN RESEARCH, vol.982, no.1, pp.125-130, 2003 (SCI-Expanded)
- XCV. **Interferon gamma and lipopolysaccharide upregulate TNF-related apoptosis-inducing ligand expression in murine microglia**
Genc Ş., Kizyldag S., Genc K., Ateş H., Atabey N.
IMMUNOLOGY LETTERS, vol.85, no.3, pp.271-274, 2003 (SCI-Expanded)
- XCVI. **Neuroprotective effect of erythropoietin on hypoxic-ischemic brain injury in neonatal rats.**
Kumral A., Ozer E., Yilmaz O., Akhisaroglu M., Gokmen N., Duman N., Ulukus C., GENÇ Ş., ÖZKAN H.
Biology of the neonate, vol.83, no.3, pp.224-8, 2003 (SCI-Expanded)
- XCVII. **Erythropoietin restores glutathione peroxidase activity in 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine-induced neurotoxicity in C57BL mice and stimulates murine astroglial glutathione peroxidase production in vitro**
Genc Ş., Akhisaroglu M., Kuralay F., Genc K.
NEUROSCIENCE LETTERS, vol.321, pp.73-76, 2002 (SCI-Expanded)
- XCVIII. **Erythropoietin prevents motor neuron apoptosis and neurologic disability in experimental spinal cord ischemic injury.**
Celik M., Gokmen N., Erbayraktar S., Akhisaroglu M., Konak S., Ulukus C., Genc Ş., Genc K., Sagioglu E., Cerami A., et al.
Proceedings of the National Academy of Sciences of the United States of America, vol.99, no.4, pp.2258-63, 2002 (SCI-Expanded)
- XCVIII. **Serodiagnosis of tuberculosis by enzyme immunoassay using A60 antigen**
Yuce A., Yucesoy M., Genc Ş., SAYAN M., Ucan E. S.
CLINICAL MICROBIOLOGY AND INFECTION, vol.7, no.7, pp.372-376, 2001 (SCI-Expanded)
- XCIX. **Erythropoietin exerts neuroprotection in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated C57/BL mice via increasing nitric oxide production**
Genc Ş., Kuralay F., Genc K., Akhisaroglu M., Fadiloglu S., Yorukoglu K., Fadiloglu M., Gure A.
NEUROSCIENCE LETTERS, vol.298, no.2, pp.139-141, 2001 (SCI-Expanded)
- C. **A case of Lafora's disease associated with cardiac arrhythmia**
Oksel F., Tekgul H., GENÇ Ş., Ozyurek R., Akalm T., Tututuncuoglu S.
JOURNAL OF CHILD NEUROLOGY, vol.14, no.11, pp.745-746, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **Endothelial Protein C Receptor Expression is Regulated by Sp1 Transcription Factor in Murine Microglia**
Tüfekci K. U., Ateş H., Genç Ş.
The Journal of Basic and Clinical Health Sciences, vol.5, no.1, pp.6-13, 2021 (ESCI)
- II. **Sulforaphane produces anti inflammatory effects by inhibiting NLRP3 inflammasome activation in microglial cells**
İşci K. B., Alural B., TÜFEKÇİ K. U., GENÇ Ş.
Anatomy, vol.10, no.Suppl 1, pp.1-85, 2016 (Peer-Reviewed Journal)
- III. **The adverse effects of air pollution on the nervous system**
GENÇ Ş., Zadeoglulari Z., Fuss S. H., Genc K.
Journal of Toxicology, vol.2012, 2012 (Scopus)

- IV. **MicroRNAs and multiple sclerosis**
Tufekci K. U., Oner M. G., GENÇ Ş., Genc K.
Autoimmune Diseases, vol.1, no.1, 2011 (Scopus)
- V. **Oxidative stress and dysregulated Nrf2 activation in the pathogenesis of schizophrenia**
Genc K., GENÇ Ş.
Bioscience Hypotheses, vol.2, no.1, pp.16-18, 2009 (Scopus)
- VI. **Alzheimer Hastalığında Beyin Omurilik Sıvısında (BOS) Biyolojik Belirteçler ve BOS'un PC12 Hücre Hattı Canlılığı Üzerine in Vitro Etkisinin Değerlendirilmesi**
Yaka E., Yüksel Eğrilmez M., Keskinöğlü P., Çavdar Z., Genç Ş., İyilikçi Karaoğlan L., Yener G.
TURK GERIATRI DERGISI, vol.9, no.1, pp.9, 2006 (Scopus)
- VII. **Biochemical markers in cerebrospinal fluid (CSF) and evaluation of the effect of CSF on PC12 cell line viability in Alzheimer's disease**
Yaka E., EĞRİLMEZ Y. M., KESKİNOĞLU P., Cavdar Z., Genc S., GENÇ K. K., İyilikçi L., YENER G. G.
Türk Geriatri Dergisi, vol.9, no.1, pp.1-7, 2006 (Scopus)
- VIII. **The effect of diabetic patient serum on rat Schwann cell viability in vitro**
Özyurt D., Genç K. K., Genç Ş., Tekmen I., Sönmez Ü., Altungöz O., Çömlekçi A.
Dokuz Eylül Üniversitesi Tıp Fakültesi Dergisi, vol.18, no.3, pp.221-227, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **MicroRNAs in Genetic Etiology of Human Diseases**
Genç Ş.
in: miRNomics:MicroRNA Biology and Computational Analysis, Jens Allmer, Malik Yousef, Editor, Springer, London/Berlin , New York, pp.255-268, 2022
- II. **Role of exosomal microRNAs in cell-to-cell communication**
Genç Ş.
in: miRNomics:MicroRNA Biology and Computational Analysis, Jens Allmer, Malik Yousef, Editor, Springer, London/Berlin , New York, pp.269-292, 2022
- III. **Santral Sinir Sistemi Hastalıklarında Kök Hücre Uygulamaları**
Genç Ş.
in: Kök Hücre ve Rejeneratif Tıp, Ayşen GÜNEL ÖZCAN, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.62-66, 2021
- IV. **Peptide Derivatives of Erythropoietin in the Treatment of Neuroinflammation and Neurodegeneration**
Genç Ş.
in: Advances in Protein Chemistry and Structural Biology, Rossen Donev, Editor, Academic Press , Cambridge, pp.309-357, 2018
- V. **Peptide derivatives of erythropoietin in the treatment of neuroinflammation and neurodegeneration**
ERCAN İ., TÜFEKÇİ K. U., KARACA EREK E., GENÇ Ş., GENÇ K. K.
in: Therapeutic Proteins and Peptides (Advances in protein chemistry and structural biology, Volume 112), ROSSEN DONEV, Editor, Academic Press , pp.309-357, 2018
- VI. **Stem Cell-Based Approaches for Treatment of Glioblastoma**
Genç Ş.
in: Neurological Regeneration, Phuc Van Pham, Editor, Springer, London/Berlin , Lausanne, pp.65-82, 2017
- VII. **Induced Pluripotent Stem Cell Therapy and Safety Concerns in Age-Related Chronic Neurodegenerative Diseases**
Genç Ş.
in: Safety, Ethics and Regulations, Pham, Phuc Van, Rosemann, Achim, Editor, Springer, London/Berlin , New York, pp.23-65, 2017
- VIII. **The Role of MicroRNAs in Biological Processes**
Genç Ş.

in: miRNomics: MicroRNA Biology and Computational Analysis, Malik Yousef, Jens Allmer, Editor, Humana Press, Inc. , New York, pp.15-31, 2014

IX. The role of microRNAs in human diseases

Genç Ş.

in: miRNomics: MicroRNA Biology and Computational Analysis, Malik Yousef, Jens Allmer, Editor, Humana Press, Inc. , New York, pp.33-50, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **KOLOSTRUM KÖKENLİ İNTRANAZAL EKSOZOM TEDAVİSİNİN PVL SIÇAN MODELİNDE NÖRORESTORATİF ETKİNLİĞİNİN DEĞERLENDİRİLMESİ**
ERDOĞAN F., Türe Ş. B., ARMAĞAN C., Taştan B., AKYILDIZ C., Güdücü Y., Gönül C. P., DUMAN N., ÖZKAN H., GENÇ Ş.
31. Ulusal Neonatoloji Kongresi, Antalya, Turkey, 24 April 2024, pp.19-20
- II. **Alzheimer's disease (AD) is a neurodegenerative disorder clinically characterized by progressive memory loss and cognitive decline. Pathological hallmarks of the disease are the formation of amyloid plaques and neurofibrillary tangles. Several research has demonstrated that AD-related pathological changes occur long before clinical symptoms are manifested. Thus, it is crucial to establish an accurate diagnosis at an early stage, particularly for individuals aged 60 years and above. Biomarkers serve as vital tools for AD diagnosis, monitoring, early detection, therapeutic intervention, and preventing inaccurate diagnoses. Still, there are no robust tools or biomarkers that can provide precise information for the diagnosis of AD. tRNA-derived fragments (tRFs) are a distinctive type of small non-coding RNAs produced from tRNAs via nucleases Dicer and Angiogenin. tRFs can regulate biological functions such as translation and transcription. Recently, there has been much attention drawn to the previously unexplored connection between tRFs and neurodegenerative disorders. Extracellular vesicles (EVs) are vesicles with lipid membranes and contain numerous different molecules, such as nucleic acids, proteins, and lipids. Within their cargo contents, EVs contribute to development, cell growth, and survival, intercellular communication, and waste disposal, but also to disease pathogenesis. Just like all other cell types, neurons also secrete extracellular vesicles, and neuron-derived extracellular vesicles (NDEVs) may contain distinctive cargoes. In this study, we profiled the tRF content of neuron-derived extracellular vesicles (NDEVs) of AD patients and healthy controls (HCs) with next-generation sequencing. We demonstrated that six tRFs (ProAGG, GluTTC, LysCTT, LeuAAG, SerAGA, ValCAC) were differentially expressed in NDEVs of AD patients compared to HCs. Further, we confirmed those tRFs on a considerably larger population with the RT-qPCR method. Gene Ontology and Kyoto Encyclopedia of Genes and Genomes annotation also indicated that these are enriched in various neuron and brain-related categories; for example, axogenesis (GO:0007409), regulation of nervous system development (GO:0051960), and regulation of neuron projection development (GO:0010975). Taken together, our results indicate that dysregulated tRFs have the potential to serve as a biomarker for AD in future investigations.**
Genç Ş.
The 7th Venusberg Meeting on Neuroinflammation, Luxembourg, Luxembourg, 11 - 13 May 2023, pp.1
- III. **The effect of M1 and M2 polarized microglia-derived exosomes on neural stem cell differentiation**
Genç Ş.
FENS Forum 2022 | International Neuroscience Conference, Paris, France, 9 - 13 July 2022, pp.1
- IV. **NEAT1 regulates microglial NLRP3 inflammasome activation**
Genç Ş.
8 International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 9 - 12 June 2022, pp.1
- V. **İNFANTİL KOLİK PATOGENEZİNE YENİ BİR BAKIŞ; İNFANTİL KOLİK BİR BİYORİTM DÜZENSİZLİĞİ MİDİR?**
Üçüncü Egeli T., Erdoğan F., Ünal M. M., Tüfekci K. U., Ural Özkan C., Durur D., Keskinöğlü P., Çavdar Z., Genç Ş.,

Duman N., et al.

29. Ulusal Neonatoloji Kongresi, Antalya, Turkey, 6 - 10 October 2021, pp.1

- VI. **LncRNA NEAT1'in mikrogliyal NLRP3 inflamazom aktivasyonunda düzenleyici rolü**
Genç Ş.
The inflammasomes: The next frontier, Munich, Germany, 21 - 24 September 2021
- VII. **Induced microglia from mononuclear cells as in vitro platforms to study inflammatory responses in Alzheimer's patients**
Gönül C. P., Kiser Ç., ÖZ D., Hünerli Gündüz D., YENER G., GENÇ Ş.
XV. European Meeting on Glial Cells in Health and Disease, Marsilya, France, 5 - 09 July 2021, pp.205-206
- VIII. **PAR-2 AND PAR-4 RECEPTORS MEDIATE ANTI-INFLAMMATORY EFFECTS OF ACTIVATED PROTEIN C IN MICROGLIAL CELLS**
TÜFEKÇİ K. U., GENÇ Ş.
4th Health Sciences and Innovation Congress, Baku, Azerbaijan, 5 - 06 July 2021, pp.726-734
- IX. **Hiperoksi beyin enerjisi metabolizmasında glikoliz yolağından pentoz fosfat yolağına yönelmeye neden olabilir mi?/Does hyperoxia cause a shift in brain energy metabolism from glycolysis to pentose phosphate pathway?**
CİLAKER MIÇILI S., Engür D., TÜFEKÇİ K. U., BAYSAL B., Eltutan B. İ., GENÇ Ş., KUMRAL A.
6. Uluslararası Tıp ve Sağlık Bilimleri Araştırmaları Kongresi (UTSAK), Ankara, Turkey, 10 - 11 April 2021
- X. **Investigation of the effect of melatonin on microRNA expression in the NLRP3 inflammasome model**
Tarakçıoğlu E., TÜFEKÇİ K. U., GENÇ Ş.
2nd International Medical Congress of Izmir Democracy University (IMCIDU 2020), İzmir, Turkey, 17 - 19 December 2020
- XI. **Hiperoksi Beyin Enerjisi Metabolizmasında Glikoliz Yolağından Pentoz Fosfat Yolağına Yönelmeye Neden Olabilir Mi?**
CİLAKER MIÇILI S., ENGÜR D., BAYSAL B., TÜFEKÇİ K. U., ELTUTAN İ., GENÇ Ş., KUMRAL A.
28. Ulusal Neonatoloji Kongresi, Turkey, 10 December 2020
- XII. **İn vitro redoks modülasyonunun nöral kök hücre farklılaşması üzerine etkileri**
KUMRAL A., ELTUTAN İ., ENGÜR D., TÜFEKÇİ K. U., ERCAN İ., CİLAKER MIÇILI S., BAYSAL B., GENÇ Ş.
28. Ulusal Neonatoloji Kongresi, Turkey, 10 December 2020
- XIII. **The protective effect of erythropoietin on apoptotic cell death induced by amyloid beta in PC12 cells.**
KIZILDAĞ S., GENÇ Ş., KURT S., KIZILDAĞ S., SAKIZLI M., FADİLOĞLU M.
3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020, pp.638-645
- XIV. **Alzheimer Hastalarının Nöron Derive Ekzozomlarının Proteomik Analizi**
ARIÖZ B. İ., TÜFEKÇİ K. U., Durur D. Y., OLÇUM UZAN M., ÖZLÜ N., YENER G., GENÇ Ş.
3. Ulusal Proteomik Kongresi, İstanbul, Turkey, 27 - 29 February 2020, pp.40
- XV. **ESTIMATION OF GENETIC VARIATION TYPES VIA MACHINE LEARNING**
özgür s., COŞGUN E., TÜFEKÇİ K. U., KESKİNOĞLU P., YENER G., GENÇ Ş., ORMAN M. N.
XXI. National and IV. International Biostatistics Congress, Antalya, Turkey, 26 - 29 October 2019
- XVI. **Ekzozomal MikroRNA ların Santral Sinir Sistemindeki Yeri**
GENÇ Ş.
16. Tıbbi Biyoloji ve Genetik Kongresi, Bodrum, Turkey, 27 - 30 October 2019
- XVII. **The impact of exosomes in brain disorders: from pathogenesis to clinical application**
GENÇ Ş.
2. EBAT Congress, Antalya, Turkey, 26 - 29 October 2019
- XVIII. **Microglial phenotypes are determined by variable intracellular hydrogen peroxide concentrations**
TÜFEKÇİ K. U., Ercan İ., Eltutan B. İ., GENÇ Ş.
XIV European Meeting on Glial Cells in Health and Disease, Portugal, 10 - 13 July 2019, vol.67, pp.1
- XIX. **İnfantil Kolik Bir Biyoretim Bozukluğu mudur?**
ÜÇÜNCÜ EGELİ T., TÜZÜN F., Durur D. Y., TÜFEKÇİ K. U., URAL C., CENGİZ M. M., ÇAVDAR Z., KESKİNOĞLU P., GENÇ

Ş., DUMAN N., et al.

Ulusal Neonatoloji Kongresi (UNEKO 27), Antalya, Turkey, 3 - 07 April 2019, pp.14

- XX. **Exosomal microRNAs and microRNA dysregulation in bipolar disorder**
Ceylan D., Tufekci U., GENÇ Ş., Ozerdem A.
21st Annual ISBD Conference on Global Advances in Bipolar Disorder and Depression, Sydney, Australia, 20 - 23 March 2019, vol.21, pp.25
- XXI. **Bilim ve Bilim Akademileri**
GENÇ Ş.
6th International Congress of theMolecular Biology Associationof Turkey, 5 - 08 September 2018
- XXII. **Nörodejenerasyonda inflamasyonun rolü**
GENÇ Ş.
ULUSLARARASI KATILIMLI NÖRODEJENERASYON / NÖROREJENERASYON ÇALIŞTAYI, 4 - 05 May 2018
- XXIII. **Altered expressions of exosomal micrornas in bipolar disorder**
Ceylan D., San T., Tufekci U., GENÇ Ş., Ozerdem A.
20th Annual Conference of the International-Society-for-Bipolar-Disorders, Mexico City, Mexico, 7 - 10 March 2018, vol.20, pp.110
- XXIV. **The effects of Dimethyl Fumarate on inflammasome activation in microglial cells**
Taştan B., Ariöz B. İ., GENÇ Ş.
5th International Congress of Molecular Biology Association of Turkey, 8 - 10 September 2017
- XXV. **mikroRNA ve santral sinir sistemi**
GENÇ Ş.
14. Ulusal Sinirbilim Kongresi, 26 - 29 May 2016
- XXVI. **Expression patterns of microRNAs 146A 34A 132 134 and in pediatric epilepsy patients**
POLAT A. İ., Ayanoğlu M., Uğur T., GENÇ Ş., YİŞ U., HIZ A. S.
31. International Epilepsy Congress, 5 - 09 September 2015
- XXVII. **expression patterns of micrornas 146a 34a 132 184 in pediatric epilepsy patients**
POLAT A. İ., müge a., kemal t., GENÇ Ş., YİŞ U., semra hız k.
31. international epilepsy congress, 5 - 09 September 2015, vol.56, pp.176
- XXVIII. **Sulforaphane exerts protective effects in microglial cells by switching polarization phenotypes**
Eren E., Tufekci K. U., Isci K. B., GENÇ Ş.
12th European Meeting on Glial Cell Function in Health and Disease, Bilbao, Spain, 15 - 18 July 2015, vol.63
- XXIX. **A cell division cycle 7-related protein kinase inhibitor suppresses glioblastoma cell growth in vitro**
Erkan E. P., Dinc M., Eren E., Allmer J., Yalcin T., GENÇ Ş.
12th European Meeting on Glial Cell Function in Health and Disease, Bilbao, Spain, 15 - 18 July 2015, vol.63
- XXX. **Endothelial protein C receptor expression in microglia is regulated by Sp1**
Tufekci K. U., Eren E., ATEŞ H., GENÇ Ş.
12th European Meeting on Glial Cell Function in Health and Disease, Bilbao, Spain, 15 - 18 July 2015, vol.63
- XXXI. **Antioxidant effect of Lithium is regulated by microRNA-34a in SH-SY5Y cells**
Alural B., GENÇ Ş.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.219
- XXXII. **Expression patterns of micro RNAs 146a 181a and 155 insubacute sclerosing panencephalitis**
YİŞ U., uğur kemal t., GENÇ Ş., ÇARMAN K. B., BAYRAM E., yasemin t., semra hız k.
11. European Pediatric Neurology Congress, 27 - 30 May 2015, vol.19, pp.27
- XXXIII. **EXPRESSION PATTERNS OF MICRORNAS-146A,-34A,-132,-134 AND-184 IN PEDIATRIC EPILEPSY PATIENTS**
Polat I., Ayanoglu M., Tufekci U., GENÇ Ş., Yis U., Kurul S. H.
31st International Epilepsy Congress, İstanbul, Turkey, 5 - 09 September 2015, vol.56, pp.176
- XXXIV. **Serum miR 16 levels show negative correlation with amyloid beta1 42 levels in Alzheimer s disease patients**
Eren E., Erkan E. P., TÜFEKÇİ K. U., Gökçe G., Tanburoğlu A., Demir N., YENER G., GENÇ Ş.

- III. International Congress of the Molecular Biology Association, İzmir, Turkey, 10 - 12 September 2014, pp.189
- XXXV. **The new cut off for cerebrospinal fluid biomarker of Alzheimer's disease in the differentiation between FTL and control subjects for Turkish population**
Eren E., KESKİNOĞLU P., TÜFEKÇİ K. U., GÖKÇE G., TANBUROĞLU A., DEMİR N., EMEK SAVAŞ D. D., YENER G., GENÇ Ş.
Alzheimer's Association International Conference 2014, 12 - 17 July 2014, pp.361-362
- XXXVI. **Subakut sklerozan panensefalitli hastalarda mikroRNA 146a, 181a ve 155'in ekspresyon paterninin belirlenmesi**
YİŞ U., TÜFEKÇİ U., GENÇ Ş., ÇARMAN K. B., TOPÇU Y., BAYRAM E., KARAOĞLU P., HIZ A. S.
16. Ulusal Çocuk Nörolojisi Kongresi, Nevşehir, Turkey, 22 June 2014, pp.116
- XXXVII. **İnsan Beyin Mikrovasküler Endotel Hücrelerinde Hipoksi Reoksijenasyon ile İndüklenen MMP 2 Sekresyonunun Resveratrol Tarafından Azaltılması**
ÇAVDAR Z., SAYIN O., ARSLAN N., YÜKSEL EĞRİLMEZ M., ALTUN Z. S., YENER N., GENÇ Ş., GENÇ K. K., İŞLEKEL G. H., OKTAY G., et al.
21. ULUSAL BİYOKİMYA KONGRESİ, Turkey, 28 - 31 October 2009, vol.34, pp.163-164
- XXXVIII. **Resveratrol decreases hypoxia/reoxygenation induced MMP-2 secretion in human brain microvascular endothelial cells**
ÇAVDAR Z., Sayin O., Arslan N., Yuksel-Egrilmez M., ALTUN Z. S., Yener N., Genc Ş., Genc K., Islekel H., Oktay G., et al.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.198
- XXXIX. **IMATINIB INDUCES AUTOPHAGY THROUGH INCREASING THE EXPRESSION LEVELS OF BECLIN-1 AND ATG-5 GENES IN BOTH PARENTAL SENSITIVE AND IMATINIB-RESISTANT K562 CELLS**
Baran Y., Can G., Ekiz H. A., GENÇ Ş.
14th Annual Meeting of the European-Hematology-Association, Berlin, Germany, 4 - 07 June 2009, vol.94, pp.233
- XL. **The Protective Role of Erythropoietin Against In vitro Ischemia Reperfusion Injury in HUVE Cells In vitro**
ALTUN Z. S., İŞLEKEL G. H., YÜKSEL EĞRİLMEZ M., BİÇER N., GENÇ Ş., GENÇ K. K., SAYIN O., OKTAY G., GÜNER G.
Mechanisms, Consequences and Detection of Free Radical-Mediated Oxidative Protein Modifications, Antalya, Turkey, 15 - 20 April 2009, pp.115
- XLI. **Activated protein C attenuates lipopolysaccharide-induced activation of cell death and tumour necrosis factor-alpha production in murine microglial cells**
Egrilmez M. Y., ÇAVDAR Z., Genc Ş., Genc K., Guner G.
Joint Conference of the 33rd FEBS Congress/11th IUBMB Conference, Athens, Greece, 28 June - 03 July 2008, vol.275, pp.331
- XLII. **In vitro activation of Nrf2-mediated oxidative stress response in human cerebral microvascular endothelial cells by resveratrol**
Arslan N., Edrilmez M. Y., ALTUN Z. S., Sayin O., Genc Ş., Genc K., Yzlekel H., Guner G.
Joint Conference of the 33rd FEBS Congress/11th IUBMB Conference, Athens, Greece, 28 June - 03 July 2008, vol.275, pp.308
- XLIII. **Hyperoxia causes cell death in the prefrontal cortex of the developing brain**
YİŞ U., HIZ KURUL S., KUMRAL A., CİLAKER MIÇILI S., TUĞYAN K., GENÇ Ş., YILMAZ O.
7th Paediatric Neurology Society (EPNS) Congress, Kuşadası, Turkey, 26 - 29 September 2007, vol.11, pp.53
- XLIV. **Hyperoxia causes cell death in the hippocampus of the developing brain**
HIZ KURUL S., YİŞ U., KUMRAL A., CİLAKER MIÇILI S., TUĞYAN K., GENÇ Ş., YILMAZ O.
7th Paediatric Neurology Society (EPNS) Congress, Kuşadası, Turkey, 26 - 29 September 2007, vol.11, pp.52
- XLV. **Effect of in vitro hypoxia and hypoxia/reoxygenation injury on the gelatinases, their inhibitor and activator in endothelial cells**
Cavadar Z., Egrilmez M. Y., Genc Ş., Resmi H., Genc K. K., Islekel H., Oktay G., Guner G. A.
32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.360
- XLVI. **Prematüre apnesinde metilksantinlerin akut döneminde beyin hasarı ve uzun dönemde kognitif**

fonksiyonlar üzerine olan etkisinin araştırılması

KUMRAL A., YEŞİLIRMAK D., AYKAN S., AKHİSARLIOĞLU M., TUĞYAN K., GENÇ Ş., CİLAKER MIÇILI S., SÜTÇÜOĞLU S., YILMAZ O., DUMAN N., et al.

15.Ulusal Neonatoloji Kongresi, Antalya, Turkey, 4 - 07 April 2007

- XLVII. **Potential İnteractions Between Neutrophil Apoptosis and Oxidative Damage in Familial Mediterraen Fever FMF**
Kırkalı G., Dizdaroğlu M., RESMİ H., Özsan H., TUNCEL E. P., ATEŞ H., GENÇ Ş., KÜME T., SARI İ., ÇAVDAR Z., et al.
4th İnternational Congress on Systemic Autoinflammatory Diseases, Bethesda, Maryland, USA, 06 November 2004 - 10 November 2006
- XLVIII. **Erythropoietin upregulates NF-E2 related factor 2 expression in astroglial cells in vitro**
Aykan S., Egrilmez M., GENÇ Ş., Guner G.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.237
- XLIX. **Erythropoietin-conditioned-astrocyte-conditioned medium decreases ethanol neurotoxicity in vitro**
Genc Ş., Kinik E., Bozdog M., Kilic R., Aykan S., Guner G., Genc K.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.236-237
- L. **The effect of erythropoietin on caspase-8 activation induced by amyloid beta in PC12 cells**
Kizildag S., GENÇ Ş., Kizildag S., Sakizli M., Fadiloglu M.
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.243-244
- LI. **Antioksidan diyet, sıçanlarda akut egzersizin eritrosit membran dinamiği üzerindeki etkilerini değiştirir mi**
KAYATEKİN B. M., UYSAL HARZADIN N., BEDİZ C. Ş., Temiz-Artmann A., GENÇ Ş., TUĞYAN K., AÇIKGÖZ O., GÖNENÇ ARDA S., AKHİSAROĞLU M., Çehreli R.
31.Ulusal Fizyoloji Kongresi, Gaziantep, Turkey, 1 - 02 September 2005
- LII. **The effect of erythropoietin on antioxidant enzymes and nitric oxide in cytokine activated microglial cultures**
Kuralay F., Genc Ş., Genc K.
European Congress of Clinical Biochemistry and Laboratory Medicine (EUROMEDLAB 2005), Glasgow, United Kingdom, 8 - 12 May 2005, vol.355
- LIII. **Erythropoietin improves long-term spatial memory deficits and brain injury following neonatal hypoxia-ischemia in rats**
Kumral A., UYSAL HARZADIN N., KAYATEKİN B. M., GÖKMEN A. N., KİRAY M., GENÇ Ş., GENÇ K. K.
13. Ulusal Neonatoloji Kongresi, Kayseri, Turkey, 02 January 2005
- LIV. **The effects of Tc-99m HMPAO labeling on lymphocyte functions**
Ulker O., Genc Ş., Ates H., Durak H., Atabay N.
17th Annual Congress of the European-Association-of-Nuclear-Medicine, Helsinki, Finland, 4 - 08 September 2004, vol.31
- LV. **İnternette Biyoinformatik Konusunda Türkçe Bir Kaynak Polimeraz Zincir Reaksiyonu Hakkında Temel Bilgiler**
KIZILDAĞ S., KÜME T., GENÇ Ş., SAYAN M., TANRIVERDİ AKHİSAROĞLU S., ABACIOĞLU H.
I. Ulusal Tanıda Moleküler Genetic Kongresi, Adana, Turkey, 18 - 22 April 2002

Supported Projects

GÜVEN S., KARAKÜLAH G., GENÇ Ş., POLATLI E., KAHVECİ B., Project Supported by Higher Education Institutions, İnsan İndüklenmiş Pluripotent Kök Hücre Kökenli Beyin Organoidlerinin Makine Öğrenmesi Destekli Mikroakışkan Sistemde Geliştirilmesi, 2023 - Continues

ERDOĞAN F., GENÇ Ş., DUMAN N., AKYILDIZ C., Taştan B., ARMAĞAN C., Project Supported by Higher Education

Institutions, Kolostrum kökenli intranasal eksozom tedavisinin periventriküler lökomalazi sıçan modelinde nörorestoratif etkinliğinin değerlendirilmesi, 2022 - Continues

GENÇ Ş., Tarakçıoğlu E., Project Supported by Higher Education Institutions, NLRP3 inflamazom aktivasyonunun perinöronal ağlarda yarattığı değişikliklerin incelenmesi, 2022 - Continues

GENÇ Ş., Taştan B., Ariöz b. i., Gönül C. P., Project Supported by Higher Education Institutions, Polarize mikroglialardan salınan eksozomların içindeki trna kökenli fragmanların belirlenmesi ve nöroinflamasyona etkilerinin incelenmesi, 2022 - Continues

Genç Ş., Kalyoncu S., TÜBİTAK - AB COST Project, Nrf2 Düzeyi Ve Aktivitesini Belirlemek İçin Simoa Temelli Kit Geliştirilmesi, 2023 - 2025

Genç Ş., Oktay Y., Ceylan Tufanalp D., Tüfekci K. U., Karaççek B., TUBITAK Project, Depresif Bozuklukta Mitokondriyal Dna Değişiklikleri, 2022 - 2025

Genç Ş., Cuadrado A., EU Supported Other Project, Bench to bedside transition for pharmacological regulation of NRF2 in noncommunicable diseases (BenBedPhar), 2021 - 2025

Genç Ş., Brandau S., EU Supported Other Project, Converting molecular profiles of myeloid cells into biomarkers for inflammation and cancer (Mye-InfoBank), 2021 - 2025

Genç Ş., Keskinöglü P., Bora İ. E., Dicle O., Özlü N., Selver M. A., Ceylan Tufanalp D., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Melankolik özellikli depresyon öyküsü olan major depresif bozukluk ve bipolar bozukluk hastalarının ayırıcı tanısında makina öğrenmesi kullanarak klinik, MRI ve nöron derive eksozomda proteomik analiz sonuçlarıyla tanı algoritması geliştirilmesi, 2022 - 2024

Genç Ş., TUBITAK Project, Aktive Mikroglialardan Salınan Trna Parçacıklarının Mikroglia-Nöron Etkileşimindeki Rolü, 2022 - 2024

Altun Z. S., Genç Ş., Çavdar Z., Yılmaz O., Olgun H. N., Yılmaz M. B., Gökmen A. N., Çağlayan A. O., Kum Özşengezer S., Sanlav G., et al., TUBITAK Project, Sağlık Bilimlerinde Araştırma Projeleri Hazırlama Eğitim, 2023 - 2023

Genç Ş., Akdal Halmagı G., TUBITAK Project, Hafif Kognitif Bozuklukta Nöron Kökenli Eksozomal Hemoglobin Düzeyinin Ölçülmesi, 2021 - 2022

Genç Ş., TUBITAK Project, Mikroglial NLRP3 Inflamazom Aktivasyon Regülasyonunda Uzun-Kodlama Yapmayan RNA NEAT1'in Rolü, 2020 - 2022

Genç Ş., Yener Gülmen G., TUBITAK Project, Alzheimer Hastalarında İnflamatuvar Yanıt Değişiminin Belirlenmesi İçin Mononükleer Hücrelerden Direkt Konversiyonla İndüklenmiş Mikroglia Eldesi, 2019 - 2022

Genç Ş., Kumral A., TUBITAK Project, Polarize Mikroglia Kökenli Eksozomal mikroRNA'ların Nöral Kök Hücre Farklılaşması Üzerine Etkilerinin Değerlendirilmesi, 2019 - 2022

GENÇ Ş., Project Supported by Higher Education Institutions, Etil pıruvatın mikroglial hücrelerde HMGB1 aracılığıyla inflamazom aktivasyonuna etkisi, 2020 - 2021

Cilaker Mıçılı S., Genç Ş., TUBITAK Project, Üç Boyutlu Kültür ve Zebra Balığı Modellerinde Redoks Sinyallemesinin Wnt/Beta-Katenin Aracılı Mikroglial Polarizasyon ve Nöral Kök Hücre Farklılaşmasına Etkisi, 2018 - 2021

Genç Ş., TUBITAK Project, Alzheimer Hastalığının Tanısında ve Yayılımında Nöron Kökenli Eksozomlar, 2018 - 2020

Genç K. K., Genç Ş., Project Supported by Higher Education Institutions, Lityumun nöronal yaşlanma üzerine miRNA aracılı etkileri, 2017 - 2018

HIZ A. S., ARSLAN N., YENER G., ERDAL BAĞRIYANIK Ş. E., GENÇ Ş., ERESEN YAZICIOĞLU Ç., KÜÇÜK C., KARAKÜLAH G., Project Supported by Higher Education Institutions, Mavi Gen, 2014 - 2018

Genç Ş., Önder T. T., Erdal Bağrıyanık Ş. E., Arslan N., Bağrıyanık H. A., TUBITAK Project, Uyarılmış Pluripotent Kök Hücrelerin (UPKH) Üretim ve Farklılaştırma Teknolojilerinin Geliştirilmesi ve Deneysel Hücre Tedavilerinde Uygulanması, 2013 - 2018

GENÇ Ş., Project Supported by Higher Education Institutions, Glioblastoma Multifforme hücre hatlarında var olan Eritropoetin reseptörlerinin tayini ve Eritropoetin bu hücre hatlarında migrasyona, invazyona ve angiogeneze etkilerinin araştırılması, 2016 - 2017

GENÇ Ş., Project Supported by Higher Education Institutions, Araştırma alanında üniversitenin 5 yıllık stratejisinin oluşturulması ve strateji belgesinin hazırlanması, 2016 - 2017

GENÇ K. K., GENÇ Ş., Project Supported by Higher Education Institutions, Glial hücrelerde hücre yaşlanmada mikroRNA ların rolü, 2015 - 2017

GENÇ Ş., GENÇ K. K., TUBITAK Project, Santral Sinir Sistemi Hücrelerinde İnflamazom Aktivasyonuna ve İnflamazom

Aktivasyonu Ile İndüklenen Hücre Ölümüne Sülföröfan ın Etkisi, 2015 - 2017

GENÇ Ş., Project Supported by Higher Education Institutions, Resveratrolün mikrogliyal hücrelerdeki ATP ile indüklenmiş inflamazom aktivasyonuna etkilerinin incelenmesi, 2014 - 2017

GENÇ Ş., GENÇ K. K., Project Supported by Higher Education Institutions, Eritropoetin'in nöronal hücrelerdeki biyolojik fonksiyonunda miR 34a'nın rolü, 2015 - 2016

GENÇ Ş., Project Supported by Higher Education Institutions, Glial hücrelerde yaşlanmada mikroRNA ların rolü, 2015 - 2016

GENÇ Ş., GENÇ K. K., Project Supported by Higher Education Institutions, CDC7 inhibitörlerinin glioblastoma multiforme hücrelerindeki moleküler etki mekanizmasının araştırılması, 2015 - 2016

GENÇ Ş., Project Supported by Higher Education Institutions, İzmir BiyoTıp ve Genom Araştırma Enstitüsü iBG İzmir Bilimsel Altyapısının oluşturulması, 2013 - 2016

GENÇ Ş., Project Supported by Higher Education Institutions, Eritropoetin'in nöronal hücrelerdeki biyolojik fonksiyonlarında miR-34a'nın rolü, 2014 - 2015

GENÇ Ş., TUBITAK Project, Glial Hücrelerde Endotelial Protein C Reseptörü EPCR Ekspresyonunu Düzenleyici Mekanizmanın Belirlenmesi, 2014 - 2015

GENÇ Ş., TUBITAK Project, İskemik İnmede TNF Related Apoptosis Inducing Ligand TRAIL in Rolü, 2013 - 2015

GENÇ Ş., Project Supported by Higher Education Institutions, Lityum'un Paraquat ile İndüklenen Toksikitede Nöroprotektif Etkisinde Nrf2 Sinyal Yolağının Rolü, 2013 - 2015

GENÇ Ş., Project Supported by Higher Education Institutions, Eritropoetin'in SHSY -5Y Hücrelerinde Sinyalleme Mekanizmasının Mikroarray yöntemi ile incelenmesi, 2009 - 2012

GENÇ Ş., Project Supported by Higher Education Institutions, Eritropoetin'in SHSY-5Y Hücre Hattında miRNA Ekspresyonu Üzerine Etkisi, 2009 - 2011

Çavdar Z., Genç Ş., Yaka E., Yener G., TUBITAK Project, Alzheimer Hastalığında Yeni Biyomarkır Geliştirilmesi TRAIL İnterlökin 18 ve Beta Sekretaz Aktivitesi, 2005 - 2008

GENÇ Ş., KÜME T., TUBITAK Project, Ailesel Akdeniz Ateşi Hastalarında Oksidatif Hasar Nötrofil Apoptozu Ve Aralarındaki Potansiyel Etkileşimler, 2005 - 2006

Kırkalı F. G., Çavdar Z., Akar S., Özcan M. A., Ateş H., Resmi H., Genç Ş., Sarı İ., Pişkin Ö., Tuncel E. P., et al., TUBITAK Project, Ailesel Akdeniz Ateşi Hastalarında Oksidatif Hasar Nötrofil Apoptozu ve Aralarındaki Potansiyel Etkileşimler, 2004 - 2005

Scientific Consultations

TUBİTAK, Scientific Consultancy, Dokuz Eylül University, Sağlık Bilimleri Enstitüsü, Turkey, 2023 - Continues

TÜBİTAK, Scientific Consultancy, Dokuz Eylül University, Sağlık Bilimleri Enstitüsü, Turkey, 2022 - Continues

Tasks In Event Organizations

Genç Ş., 2022 Yılı Sinirbilimleri Kongresi , Scientific Congress, İstanbul, Turkey, Ekim 2022

Metrics

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H-Index (Scopus): 33

Congress and Symposium Activities

Tıbbi Biyoloji ve Genetik, Invited Speaker, Ankara, Turkey, 2023
International Molecular Immunology and Immunogenetics Congress, Invited Speaker, İzmir, Turkey, 2022
3rd BenBedPhar Scientific meeting, Session Moderator, Bucuresti, Romania, 2022
2nd BenBedPhar Scientific meeting, Invited Speaker, Madrid, Spain, 2022
Embo Workshop inflammasomes:the next frontiers, Attendee, Munich, Germany, 2021
3. Ulusal Proteomik Kongresi, Attendee, İstanbul, Turkey, 2020
The XIV European Meeting on Glial Cells in Health and Disease, Attendee, Porto, Portugal, 2019
Undoing Aging 2018, Attendee, Berlin, Germany, 2018
5th International Congress of the Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2017

Awards

Üçüncü Egeli T., Özkan H., Genç Ş., Erdoğan F., Duman N., Keskinoglu P., SÖZEL BİLDİRİLER ÜÇÜNCÜLÜK ÖDÜLÜ, Türk Neonatoloji Derneği, October 2021
Genç Ş., Eczacıbaşı Tıp Bilim Ödülü, Eczacıbaşı , July 2011
Genç Ş., Eczacıbaşı Tıp teşvik Ödülü, Eczacıbaşı, July 2009
Cilaker Mıçılı S., Yiş U., Kumral A., Yılmaz O., Genç Ş., Araştırma Birincilik Ödülü, 17. Ulusal Neonatoloji Kongresi (Uneko-17), April 2009
Genç Ş., TÜBİTAK Sağlık Bilimleri alanında Teşvik Ödülü, Tübitak, July 2007
Genç Ş., Türkiye Bilimler Akademisi Üstün Başarılı Genç Bilim İnsanı Ödülü, Türkiye Bilimler Akademisi , July 2006
Genç Ş., Loreal Genç Bilim Kadınlarını Destekleme Programı ödülü, Loreal, July 2004