

Prof. ŞERMİN GENÇ

Personal Information

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International Researcher IDs

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

ScopusID: 7005739677

Yoksis Researcher ID: 2453

Education

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

Expertise In Medicine, Dokuz Eylul University, Tıp Fakültesi, 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, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Ve Genetik (Dr), 2003

Research Areas

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

Academic Positions

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

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

Academic and Administrative Experience

Dokuz Eylul University, 2015 - Continues

Dokuz Eylul University, 2010 - 2013

Courses

Doctorate

Bir Araştırmayı Yayına Dönüştürme Süreci, Doctorate, 2022 - 2023

Uzmanlık Alanı, Doctorate, 2022 - 2023, 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

Seminer, Doctorate, 2022 - 2023

Postgraduate

Uzmanlık Alanı, Postgraduate, 2021 - 2022

Tez Çalışması, Postgraduate, 2021 - 2022

Supervised Theses

GENÇ Ş., In vivo and in vitro effects of bilirubin in NLRP3 inflammasome activation, Doctorate, İ.ERCAN(Student), 2023

GENÇ Ş., The role of long noncoding RNA NEAT1 in regulation of microglial NLRP3 inflammasome activation, Doctorate, B.TAŞTAN(Student), 2023

GENÇ Ş., Bilirubin NLRP3 inflamazom aktivasyonu üzerine in vivo ve in vitro etkisi, Doctorate, İ.ERCAN(Student), 2023

Genç Ş., Investigation of alterations created by NLRP3 activation on perineuronal nets, Doctorate,

E.TARAKÇIOĞLU(Student), 2022

Genç Ş., Zebrabalığında in vivo redoks modülasyonunun nörogenez üzerine etkisi, Doctorate, D.ENGÜR(Student), 2022

Genç Ş., M2 polarize mikroglia kökenli eksozomal miR-191-5p'nin oksidatif stres aracılı nöronal hasar üzerindeki nöroprotektif etkilerinin incelenmesi, Postgraduate, Ç.NİĞDE(Student), 2022

Genç Ş., Eksozomal miR-34a Aracılığıyla Mikroglia – Nöron Etkileşimi, Postgraduate, N.SATI(Student), 2021

GENÇ Ş., MicroRNA mediated regulation of NLRP3 inflammasome in N9 microglia through AMPK-SIRT1 pathway, Postgraduate, B.İREM(Student), 2020

GENÇ Ş., Alzheimer hastalığının tanısında ve yayılımında nöron kökenli eksozomlar, 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., Studies Toward the Development of Extracellular Vesicle Profiling and Sensor System, Doctorate, M.SALİH(Student), 2019

GENÇ Ş., The effects of ethyl pyruvate on NLRP3 inflammasome activation in microglial cells, Postgraduate, İ.NUR(Student), 2019

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., Development of biomarkers for alzheimer's and parkinson's diseases, Doctorate, E.EREN(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., 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., The effects of melatonin on inflammasome activation in microglial cells, Postgraduate, B.İBRAHİM(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 tnfr 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

Journal articles indexed in SCI, SSCI, and AHCI

- I. **The Role of tRNA Fragments on Neurogenesis Alteration by H₂O₂-induced Oxidative Stress**
Karacicek B., Katkat E., Binokay L., Ozhan G., KARAKÜLAH G., GENÇ Ş.
Journal of Molecular Neuroscience, vol.75, no.2, 2025 (SCI-Expanded)
- II. **Microglia-like cells from patient monocytes demonstrate increased phagocytic activity in probable Alzheimer's disease**
Gonul C. P., Kiser C., YAKA E., ÖZ D., Hunerli D., Yerlikaya D., Olcum M., KESKİNOĞLU P., YENER G., GENÇ Ş.
Molecular and Cellular Neuroscience, vol.132, 2025 (SCI-Expanded)
- III. **Supplemental oxygen alters the pentose phosphate pathway in the developing mouse brain through SIRT signaling**
Engur D., CİLAKER MIÇILI S., Soy S., Bilici G., Tufekci K. U., Kiser C., Ercan İ., Kumral A., GENÇ Ş.
Neurochemistry International, vol.180, 2024 (SCI-Expanded)
- IV. **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., Ario B. I., GENÇ Ş., et al.
Redox Biology, vol.72, 2024 (SCI-Expanded)
- V. **Nrf2 activator Diethyl Maleate attenuates ROS mediated NLRP3 inflammasome activation in murine microglia**
Kiser C., Gonul C. P., GENÇ Ş.
Cytotechnology, vol.76, no.2, pp.197-208, 2024 (SCI-Expanded)
- VI. **Proximity extension assay-based proteomics studies in neurodegenerative disorders and multiple sclerosis**
Ario B. I., Cotuk A., Yaka C. E., GENÇ Ş.
European Journal of Neuroscience, vol.59, no.6, pp.1348-1358, 2024 (SCI-Expanded)
- VII. **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)

- VIII. **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)
- IX. **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, vol.27, no.11, pp.5083-5096, 2023 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **Ethyl Pyruvate Attenuates Microglial NLRP3 Inflammasome Activation via Inhibition of HMGB1/NF- κ B/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)

- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **Circulating exosomal microRNAs in bipolar disorder**
Ceylan D., Tufekci K. U., Keskinoğlu P., Genç Ş., Ozerdem A.
JOURNAL OF AFFECTIVE DISORDERS, vol.262, pp.99-107, 2020 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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., Keskinoğlu P., Yaka E., Kutluk M. K., Genç Ş.
FRONTIERS IN NEUROLOGY, vol.9, 2018 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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., Cavedo E., et al.
JOURNAL OF ALZHEIMERS DISEASE, vol.56, no.2, pp.543-555, 2017 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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., Simonsen A., Hasselbalch S. G., Kapaki E., et al.
JOURNAL OF ALZHEIMERS DISEASE, vol.47, no.4, pp.1069-1078, 2015 (SCI-Expanded)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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., Keskinoglu 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)

- L. **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)
- LI. **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)
- LII. **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)
- LIIL. **Patient-Specific Pluripotent Stem Cells in Neurological Diseases**
Durnaoglu S., GENÇ Ş., Genc K.
STEM CELLS INTERNATIONAL, vol.2011, 2011 (SCI-Expanded)
- LIV. **The Endotoxin-Induced Neuroinflammation Model of Parkinson's Disease**
Tufekci K. U., GENÇ Ş., Genc K.
PARKINSONS DISEASE, vol.2011, 2011 (SCI-Expanded)
- LV. **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)
- LVI. **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)
- LVII. **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)
- LVIII. **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)
- LIX. **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)
- LX. **Erythropoietin induces nuclear translocation of Nrf2 and heme oxygenase-1 expression in SH-SY5Y cells**
Genc K., Yüksel Eğrilmez M., Genç Ş.
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- LXI. **Cerebrospinal Fluid and Serum Beta Secretase Activities in Alzheimer's Disease**
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- IX. **Induced microglia from mononuclear cells as in vitro platforms to study inflammatory responses in Alzheimer's patients**
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Çavdar Z., Genç Ş., Yaka E., Yener G., TUBITAK Project, Alzheimer Hastalığında Yeni Biyomarkör 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

Roles in Event Organizations

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

Metrics

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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