



# The 1<sup>st</sup> Annual Meeting of Georgian Center for Neuroscience Research

20-22 February 2020, Tbilisi, Georgia

## GCNR-2020 Program



<b>Thursday, 20 February</b>		
8:30 - 9:30	Registration	
10:00-10:30	Opening Ceremony	
	Chairman's Welcome Message	
	Scientific Secretary Report	
	Invited Speakers:	
10:45-11:10	<b>Keynote lecture:</b> Sleep and Brain Maturation in typically developing and drug-naïve ADHD children	<b>Prof. Dr. Nato Darchia</b>
11:10-11:30	<b>Keynote lecture:</b> Effects of Concurrent Blockade of Orexin Receptor-2 and Cannabinoid Receptors-1 in the Ventral Tegmental Area on Nicotine-Induced Place Preference and Activity of Ventral Tegmental Area Neurons in Rats (Behavioral and Electrophysiological Studies)	<b>Prof. Dr. Parham Reisi</b>
11:30-11:50	<b>Keynote lecture:</b> Visual functions in children with dyslexia	<b>Dr. Khatuna Parkosadze</b>
12:00-12:30	<b>Tea and Coffee Break</b>	
12:30-12:50	<b>Keynote lecture:</b> Application of QEEG and LORETA in designing of neurofeedback protocols	<b>Dr. Amin Asadollahpour</b>
13-13:15	<b>Oral Presentation:</b> Tau Protein in the Retina	<b>Dr. Umur Kayabasi</b>
13:30-15:30	<b>Poster Session</b>	(GCNR-1005-GCNR-1030)
15:30-16:00	<b>Lunch</b>	

<b>Friday, 21 February</b>		
10:00 - 10:30	<b>Oral Presentation:</b> Influence of quercetin/quercetin-loaded magnetic nanoparticles on the firing patterns of hippocampal neurons in control and kainic acid-injected rats	<b>Prof. Dr. Nanuli Doreuli</b>
10:30 - 11:00	<b>Keynote lecture:</b> QEEG and monitoring of Anticonvulsive treatment in epileptic children	<b>Prof. Dr. Irma Khachidze</b>
11:00-11:15	<b>Oral Presentation:</b> The nucleus accumbens neurons firing pattern during the extinction and reinstatement of morphine-induced conditioned place preference in rats: electrophysiological roles of glutamate receptors	<b>Dr. Ali Siahposht</b>
11:15-11:30	<b>Oral Presentation:</b> The comparison of brain behavioral activation or inhibition systems and cognitive functions in addict & normal women	<b>Dr. Mojtaba Rajabpour</b>
11:00-12:00	<b>Tea and Coffee Break</b>	
12:00-14:00	Neurofeedback & QEEG Workshop (Dr. Amin Asadollahpour)	<b>Poster Session</b>
15:30-16:00	Closing Ceremony-Awards Announcement	
16:00	<b>Lunch</b>	

<b>Saturday, 22 February</b>		
9:00 - 12:00	Electrophysiology Workshop (LFP Recording)	<b>Prof. Dr. Parham Reisi</b>

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<b>Abstract ID</b>	<b>Presentation Title</b>	<b>Presentation Type</b>
GCNR-1005	Vitamin D3 supplement rescues motor disability in 3-nitropropionic acid induced mouse model of Huntington's disease	Oral
GCNR-1006	Prenatal zinc supplementation improves working memory impairment and inflammatory response in LPS-induced maternal immune activation model	Oral
GCNR-1007	Nigella sativa oil enhanced motor coordination in phenol-induced BALB/c mice models of essential tremor	Oral
GCNR-1008	Neuro-Restorative Effect of Sertoli Cell Transplants in a Rat Model of Amyloid Beta Toxicity	Oral
GCNR-1009	Table tennis training influencing on cognitive ability in elderly women with mild cognitive impairment	Poster
GCNR-1010	The role of Nitric Oxide (NO) in shell of left Nucleu Accumbense on learning and memory in stress condition induced by Electrical Foot Shock in male wistar rats	Poster
GCNR-1011	The neuroprotective effect of ursolic acid associated with inflammation factors: IL-10, IL $\beta$ after the induction of severe traumatic brain injury in rats	Poster
GCNR-1012	Effect of clot lytic of fig on brain stroke	Poster
GCNR-1013	The role of tamoxifen (a selective estrogen receptor modulator) on neurological score, blood-brain barrier and brain edema after traumatic brain injury in male rats: the role of matrix metalloproteinase-9	Poster
GCNR-1014	Tau Protein in the Retina	Oral
GCNR-1015	Curcumin-loaded niosome particle -induced Cell Cycle Arrest and Apoptosis in Brain cancer stem cell	Poster
GCNR-1016	Application of Internet of Things (IoT) to Help Improve the Quality of Life for Alzheimer's Patients	Oral
GCNR-1017	Effect of clot lytic of fig on brain stroke	Poster
GCNR-1018	Effect of stem cell to treat Amyotrophic lateral sclerosis	Poster
GCNR-1019	The Impact of Blood Volume Pulls Biofeedback Training on Migraine Reduction: A Case Study on a Retired Elite Powerlifting Athlete	Poster
GCNR-1020	The Impact of Neurofeedback Training on Anxiety Reduction: A Case Study on a Retired Elite Powerlifting Athlete	Poster
GCNR-1021	The Effectiveness of Virtual Reality Technology on Social Anxiety and Fear of Speech	Poster
GCNR-1022	Contribution of Nitric Oxide in Initiation of Cortical Spreading Depression in Ischemic Stroke	Poster
GCNR-1023	Decreasing social problems in children with autism spectrum disorder: effect of behavioral intervention on neural asymmetry in frontal lobe	Poster
GCNR-1024	How would Dexmedetomidine have protective effects on the neurological scores, brain edema and brain-blood barrier post to serious traumatic brain damage in male rats?(the possible role of MMP-9	Poster
GCNR-1025	The relationship between personality traits, psychological capital and mental health	Poster
GCNR-1026	Evaluation of neuronal repair process on focal demyelination model of Multiple sclerosis in rat	Poster
GCNR-1027	Sleep spindles induction by cinnamaldehyde	Poster
GCNR-1028	Memantine improves social behavior and prevents developmental retardation in rats exposed prenatally to valproic acid	Poster
GCNR-1029	Memory enhancing effect after medial septum stimulation is associated with changes in hippocampal cholinergic and GABAergic activity	Poster
GCNR-1030	The nucleus accumbens neurons firing pattern during the extinction and reinstatement of morphine-induced conditioned place preference in rats: electrophysiological roles of glutamate receptors	Oral
GCNR-1031	Anti-neuroinflammatory effects of Sertoli cells improve motor activities and striatal volume in rat model of Huntington disease	Poster
GCNR-1032	Influence of quercetin/quercetin-loaded magnetic nanoparticles on the firing patterns of hippocampal neurons in control and kainic acid-injected rats	Oral

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GCNR-1033	The effect of intra amygdala injection of naloxone on learning and memory in Barnes maze	Poster
GCNR-1034	Visual functions in children with dyslexia	Oral
GCNR-1035	The Relevance between Vitamin D, Folic Acid, and Vitamin B in Multiple Sclerosis	Poster
GCNR-1036	Role of peripheral peptidergic fibers in pain sensation and paw volume during inflammatory arthritis in male wistar rats	Poster
GCNR-1037	Innate Fear Under Social Hierarchy	Poster
GCNR-1038	Modulation of cholinergic activity in the hippocampus and behavioral alterations induced by prenatal administration of valproic acid in rats	Poster
GCNR-1039	Is this the way to stop some of the post traumatic effects of brain injury? effects of dextromethorphan on the neurological scores and blood brain barrier after a traumatic brain injury in male rat	Poster
GCNR-1040	Stem cells: Therapeutic advances for multiple sclerosis	Poster
GCNR-1041	Organization of feeding-related neuronal ensembles in invertebrate model animals	Poster
GCNR-1042	Investigation the effects of orexins on behavioral, morphological and electrophysiological alterations induced by the kainic acid model of temporal lobe epilepsy	Poster
GCNR-1043	Nano phytosome quercetin ameliorates cognitive impairment induced by maternal isolation in rat pups	Poster
GCNR-1044	Glial glutamate transporter (GLT-1) role in dependence in male morphine-treated rats	Poster
GCNR-1045	Influence of some food additives “cocktail effect” on white rats behavioural parameters	Poster
GCNR-1046	Effects of Quercetin loaded magnetic nanoparticles on electrophysiological and behavioural disturbances in the animal models of epilepsy	Poster
GCNR-1047	Inhibition of hippocampal astrocytic connexin-43 reduces the naloxone-induced withdrawal signs in morphine dependent rats	Poster
GCNR-1048	Sumac-loaded nano-phytosome improves memory impairment in the 6-hydroxydopamine-lesion rat model of Parkinson's disease	Poster
GCNR-1049	Beneficial effects of Japanese sake yeast supplement on depressive-like behaviors in a rat model of global cerebral ischemia/reperfusion	Poster
GCNR-1050	The comparison of brain behavioral activation or inhibition systems and cognitive functions in addict & normal women	Oral
GCNR-1051	The comparison of executive functions in addicts and patients under buprenorphine maintenance treatment (BMT)	Poster
GCNR-1052	Investigating the relationship between impulsivity and deficit in executive functions of brain in patients with substance use disorder	Poster
GCNR-1053	Computational lncRNA – miRNA interaction analyses in epilepsy syndrome	Poster
GCNR-1054	Ceftriaxone protects against blood-brain barrier disruption and improves neurological outcomes in a male rat model of traumatic brain injury: a behavioral and histological study	Poster
GCNR-1055	Effect of Crocus sativus (saffron) on patients suffering from chemotherapy-induced painful peripheral neuropathy in Semnan Kosar Hospital	Poster
GCNR-1056	The antidepressant-like effects of menthol via dopaminergic system using forced swimming test in a mice model	Poster
GCNR-1057	Therapeutic Effects of Nano-Phytosome of Quercetin on Inflammatory Responses in a Chronic Mouse Model of Multiple Sclerosis	Poster
GCNR-1058	Therapeutic effects of Spirulina platensis against adolescent stress-induced oxidative stress, BDNF alterations and morphological remodeling in the amygdala of adult female rats	Poster
GCNR-1059	QEEG and monitoring of Anticonvulsive treatment in epileptic children	Oral
GCNR-1060	Sleep and Brain Maturation in typically developing and drug-naïve ADHD children	Oral
GCNR-1061	Effects of Concurrent Blockade of Orexin Receptor-2 and Cannabinoid Receptors-1 in the Ventral Tegmental Area on Nicotine-Induced Place Preference and Activity of Ventral Tegmental Area Neurons in Rats (Behavioral and Electrophysiological Studies)	Oral

