

BCNC2018 Program
December 12 – 14, 2018 **Tehran, Iran**

First Day, Wednesday

7:00 - 8:00, Lobby	Registration		
8:30 - 10:00, Hall 1	Panel: Neuroscience of Dementia	Presenter	Duration (min)
	Chairs: Maryam Norouzian, Gholamali Shahidi, Fahimeh Haji-Akhoundi, Mostafa Almasi-Dooghaee, Babak Zamani, Farzaneh Haqiqi		
	Neuroscience of frontotemporal dementia	Gholamali Shahidi	20
	Neuroscience of corticobasal degeneration	Fahimeh Haji-Akhoundi	20
	Neuroscience of dementia with lewy body	Mostafa Almasi-Dooghaee	20
	Rapidly progressive dementia	Babak Zamani	20
	The role of transcranial sonography in differentiation of frontotemporal dementia	Farzaneh Haqiqi	20
	Discussion		20
8:00 - 10:00, Hall 2	Panel: Behavioral Neuroscience (Young Investigator Award Candidate)		
	Chairs: Nida Jamali Raoufi, Masoumeh Nozari, Akram Nezhadi, Hamideh Bashiri, Soraya Mehrabi, Fereshteh Golab, Ronak Shabani		
	Methylphenidate (MPH) produces conditioned place preference (CPP) in marmoset monkeys and cannabidiol exposure during extinction do not inhibit the reinstatement of MPH-induced CPP	Adel Kashefi	۱۰
	Fingolimod enhances oligodendrocyte differentiation of transplanted human induced pluripotent stem cell-derived neural progenitors	Azadeh Yazdi	۱۰
	The role of endocannabinoid system in mediating effect of Low frequency stimulation improvement on spatial learning and memory impairment by kindling	Khadijeh Esmaeilpour bezenjani	۱۰
	Therapeutical effects of chrysin in a rat model of traumatic brain injury: behavioral, biochemical and histological studies	Masome Rashno	۱۰
	Investigating the role of insular cortex in hyperacusis and tinnitus in rat	Minoo Karimi	۱۰
	Pharmacological evidence for involvement of nitric oxide in additive antidepressant-like effect of agmatine and lithium in mice	Vahid Nikoui	۱۰
	Environmental enrichment modulates the effects of sensory deprivation of barrel cortex on the morphology of rat hippocampal neurons	Mojgan Jouybar	۱۰
	Chronic Cannabidiol attenuates cognitive deficits induced by methamphetamine -addicted rats	Yasaman Razavi	۱۰
	The effect of hydroalcoholic extract of cinnamon on short term memory in morphine-dependent male rats after naloxone injection	Kazem Hatami	۱۰
	Rimonabant prevents reinstatement of methamphetamine-seeking behavior in the sleep-deprived rats	Mehdi Khodamoradi	۱۰
	Neuroprotective effect of chrysin on cognitive, brain electrophysiology deficits and lipid peroxidation in animal model of cerebral ischemia/reperfusion	Maryam Khombi Shoostari	۱۰
8:00 - 10:00, Hall 3	Panel: Cognitive Neuroscience (Young Investigator Award Candidate)		
	Chairs: Ali Yoonessi, Ozra Jahanitabesh, Hossein Vahabi, Atieh Sarabi, Mehdi Pourmohammad, Farzaneh Safavimanesh, Maryam Jafarian		
	Narrative discourse analysis in persian-speaking patients with multiple sclerosis	Ehsan Hemmati	۱۰
	Language learning and social cognition: a cross-linguistic analysis of children who know two languages	Ali Khodi	۱۰
	Do you share your personally useless information if others may benefit from it	Aryan Yazdanpanah	۱۰
	Effectiveness of parent-child interaction therapy on cortisol level and aggression in pre-school children, a double-blind randomized controlled trial in an iranian sample	Bijan Pirnia	۱۰
	Transgenerational effects of maternal spatial memory exercise on spatial learning of female offspring	Javad Riyahi Farsani	۱۰
	Involvement of prefrontal cortex signaling pathways in stress-induced memory impairment	Mehdi Eivani	۱۰
	Role of autobiographical images in the formation of false memory	Mohsen Shabani	۱۰
	Effects of congenital blindness and attention on the asymmetrical brain by randomized dichotic digits test	Nafise Saeidi Boroujeni	۱۰

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	Development and validation of short-form parallel picture naming tests: a test for clinical practice in persian-speakers with mci and ad	Behnoosh Tahanzadeh	۱۰
	Valence effects on phonological processing in normal Persian speaking children: A study by ERP	Sousan Salehi	۱۰
	The effect of morphosemantic treatment on verb tense inflection in persian-speaking patients with agrammatism: a single-subject study	Farzane Dashti	۱۰
	strategic differences in visual scanning between field dependent and field independent people with eye tracking measures	Marziyeh Hamzehzadeh	۱۰
8:00 - 10:00, Hall 4	Panel: Computational Neuroscience (Young Investigator Award Candidate)		
	Chairs: Reza Khanbabaee, Mohammad Reza Abolghasemi, Reza Khosrowabadi, Amirhossein Batouli, Ali Ghazizadeh		
	Accuracy of estimating time to contact in transversal motion and head-on motion	Asiyeh Daneshi	10
	Brain activity reconstruction by finding a source parameter in an inverse problem	Amir Hosein Hadian Rasanan	10
	Comprehensive approach for synthetic fNIRS data generation	Hadi Borjkhani	10
	Four-Class EEG Classification method for Motor Imagery and motor Execution inputs in the brain-computer-interface based on Deep Learning principals	Jafar Zamani	10
	Synchronization and desynchronization of coupled Fitzhugh-Nagumo systems: Application to epileptic seizures	Mohammad Hemami	10
	Modulation of intrathalamic rhythmic burst activity in C57BL/6J mice by sake yeast compounds	Nasroallah Moradi kor	10
	The effects of different ionic currents on beta oscillations in parkinsonian network model of basal ganglia	Seyed Mojtaba Alavi	10
	Neural correlates of phantom auditory perception in primary auditory cortex of anesthetized mice: a local field potentials recording study	Shahriar Hosseinjany	10
	Cross-frequency coupling and synaptic efficiency	Somayeh Heysiattalab	10
	Evaluating brain response to culture-inspired design through eeg analysis: neural insights for understanding consumer cognition and sustainable preferences	Amanollah Golshan	10
	Visual feature binding in the prefrontal cortex of macaque monkey	Mohsen Parto	10
8:00 - 10:00, Hall 5	Panel: Clinical Neuroscience (Young Investigator Award Candidate)		
	Chairs: Mohammadreza Shalbafan, Sepideh BakhtAzad, Hossein Azizi, Reza Arezoomandan, Esmail Riahi, Zahra Fatahi		
	A randomized clinical trial on the Evaluation of the effect of Vestibular exercises on dizziness and postural control in Parkinson patients	Amirabas Abasi	10
	Serum antioxidant and oxidative markers are associated with clinical neurological outcomes in acute stroke patients	Leila Simani	10
	Comparing the Efficacy of Ondansetron and Granisetron Augmentation in Treatment -Resistant Obsessive-Compulsive Disorder, A Randomized Clinical Trial	Mojtaba Sharafkhah	10
	Comparison of the lower extremities inter-segmental coordination during walking between patients with multiple sclerosis and healthy controls	Razieh Mofateh	10
	Comparing the effect of spaced and massed training paradigms on long-term adaptation of oculomotor reflex: a cerebellar perspective	Saeed Solouki	10
	Development of gait adjustments during childhood: a kinematic analysis of transition to a narrow pathway	Zeinab Hatami	10
	Novel Mutations in VPS13B, KCNMA1, NALCN and KPTN Genes Cause moderate to profound Mental Retardation	Farshid Parvini	10
	Effects of high-voltage transmission towers on stress and attention of humans	Hamed Aliyari	10
	The contribution of emotional and cognitive dysfunctions to reflection impulsivity in male abusers of methamphetamine	Hashem Jebraeili	10
	Hypothalamic regulation of energy balance: a novel candidate for the treatment of obesity and diabetes mellitus	Mohammad Javad Saeedi borujeni	10
	Identification of imaging and clinical markers predicting chronic sleep disturbance after traumatic brain injury in adults	Sara Ramezani	10
	Localizing memory functions in brain tumor patients: anatomical hotspots over350 patients.	Seyed Ehsan Asadi	10

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8:00 - 10:00, Hall 6	Panel: Cellular and Molecular Neuroscience (Young Investigator Award Candidate)		
	Chairs: Kazem Mousavizadeh, Hossein Mostafavi, Naser Amini, Faezeh Faghihi, Shima Tavakol, Nassim Vosoughi		
	Identification of causative genes for ALS, BVVL, Fazio Londe, CMT2 and HMSN-P disorders	Marzieh Khani	۱۰
	Low dose TLR4 agonists promotes interferon beta expression in a rat model of Alzheimer's disease	Niloufar Yousefi	۱۰
	Voltage-gated potassium currents of hippocampal CA1 neurons in a rat model of traumatic brain injury	Seyed Asaad Karimi	۱۰
	Altered D2 receptor and transcription factor EB expression in offspring of aggressive male rats, having depressive and anxiety-like behaviors	Solmaz Khalifeh	۱۰
	Genetic risk factors for tendency to suicide detected in a neuroimaging genetic study	Arvin Haghghatfard	۱۰
	Effects of fibroblast growth factor type 1 expressing adipose-derived mesenchymal stem cells (AD-MSCFGF-1) on chronic neuropathic pain in rats	Fatemeh Forouzanfar	۱۰
	Quercetin-loaded nanoparticles improve myelin repair of optic chiasm in lysolecithin-induced focal demyelination	Maryam Ghasemi kasman	۱۰
	Methamphetamine induces differential gene expression accompanied with cerebellar atrophy	Aysan Khatmi	۱۰
	Exosomal microRNA profiling as non invasive biomarkers for diagnosis and patients survival in glioblastoma	Maryam Izadpanahi	۱۰
	Role of Mir124, Mir219 and Mir339 in the regulation of the mu-opioid receptor gene expression in the prefrontal cortex in morphine-tolerant rats	Shiva Mohammadi Talvar	۱۰
	Epigenetic signature of noise pollution may induce depression and deficiency on executive functions	Zeinab Fahimi	۱۰
	Evaluation of sedative-hypnotic effect of novel ethyl 2-((2-chlorobenzyl) thio)-4-methyl-6-(3, 4, 5-trimethoxyphenyl) pyrimidine-5-carboxylate	Asal Najafi	۱۰
	Evaluation the effects of the new Nano-drug (EPO-loaded Gemini micelles) on PTSD: Behavioral and histological approaches	Masoud Bagherpour zarchi	۱۰
8:00 - 10:00, Hall 7	Panel: Biomarkers of Traumatic Brain Injury (TBI)		
	Chairs: Mahdi Sharif-Alhoseini, Maryam Edalatfar, Gholam-Hossein Riazi, Mohsen Sadeghi-Naeini, Hamidreza Khayat-Kashani		
	Role of biomarkers in TBI	Mahdi Sharif-Alhoseini	20
	Categorization of TBI biomarkers	Maryam Edalatfar	20
	MicroRNAs in TBI	Gholam-Hossein Riazi	20
	Diagnostic value of biomarkers in TBI	Mohsen Sadeghi-Naeini	20
	Prognostic value of biomarkers in TBI	Hamid-Reza Khayat-Kashani	20
	Discussion		20
10:00 - 10:30, Lobby	Tea and Coffee Break		
10:30 - 12:30, Hall 1	Opening Ceremony		
	Chairman's Welcome Message	Mohammad Taghi Joghathie	
	Scientific Secretary Report	Farnaz Etesam - Ali Shahbazi	
	Invited Speakers		
	Keynote lecture: Fast 3D Imaging of Neuronal Activity in Visual Cortex Across Multiple Layers in Awake Mice	Laurent Bourdieu	30
	Awards Announcement	Congress Board	
12:30 - 13:30	Pray and Lunch		

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13:30 - 15:30, Hall 1	Panel: Art, Beauty and Neurosciences		
	Chairs: Seyed Kazem Malakouti, Hassan Ashayeri, Samira Fazaie, Alireza Farnam, Hassan Ashayeri, Ali Ahmadalipour, Siamak Razavi		
	Keynote lecture: The Application of Art and Especially Music in Rehabilitation	Hasan Ashayeri	30
	Music and creativity in children	Samira Fazaie	20
	Personality infrastructure and neuroscience basic of awareness of beauty	Alireza Farnam	20
	Art, Beauty and neurosciences	Ali Ahmadalipour	20
	Music and enjoyment	Siamak Razavi	30
13:30 - 15:30, Hall 2	Panel: Neuropsychiatry and Neuroscience		
	Chairs: Maryam Norouzian, Vajihe Agamolai, Fatemeh Mohammadian, Zahra Vahabi, Alia Shakiba, Faezeh Gholamian		
	Neuroscience of epilepsy	Vajihe Agamolai	20
	Neuroscience of sleep disorders	Zahra Vahabi	20
	Neuroscience of traumatic brain injury	Fatemeh Mohammadian	20
	Neuroplasticity and psychiatry	Alia Shakiba	20
	Neuroscience of aging brain: psychiatric aspect	Faezeh Gholamian	20
	Discussion		20
13:30 - 15:30, Hall 4	Panel: Signal Processing and Brain Decoding		
	Chairs: Mohammad Reza Daliri, Abed Khorassani, Vahid Shalchyan		
	Introduction to signal processing and brain decoding	Mohammad Reza Daliri	5
	Artifact removal from intracortical channels for brain-machine interface applications	Abed Khorassani	20
	Cognitive functional connectivity analysis of human brain using fMRI and graph theory	Naghmeh Miri	20
	Visual feature binding in the prefrontal cortex of macaque monkey	Mohsen Parto-Dezfouli	20
	Routing information flow by using distinct neural synchrony frequencies: 'functional labeled line' in higher primate cortex	MohammadBagher Khamechian	20
	Brain decoding based on nonlinear Spike-LFP coupling	Mohammad Zarei	20
	Discussion		15
13:30 - 15:30, Hall 5	Panel: Neuroeconomics		
	Chairs: Farshad Fatemi, Amir Mohammad Tahamtan, Mostafa Hosseini, Mohammad Taghi Saeedi, Narges Hajimoladarvish		
	Change the preferences during the time with an emphasis on the role of cognitive dissonance	Farshad Fatemi, Amir Mohammad Tahamtan	20
	Decision making and choice	Mostafa Hosseini	20
	Neural correlates of economic decisions	Mohammad Taghi Saeedi	20
	Science of the formation of preferences	Narges Hajimoladarvish	20
	Discussion		30
13:30 - 15:30, Hall 6	Workshop: From Idea to Product		
13:30 - 15:30, Hall 7	Workshop: Basics of EEG data analysis (1)	Reza Khosrowabadi	
13:30 - 16:30, Cellular & Molecular Research Center	Animal Models of Tinnitus	Minoo Karimi	
13:30 - 16:30, Physiology Department, IUMS	Animal models of stroke	Javad Fahanik Babaei	

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15:30 - 16:00, Lobby	Tea and Coffee Break		
16:00 - 16:30, Hall 1	Keynote lecture: The Poitier's experience on the treatment of sever OCD	Nematollah Jaafari	30
16:30 - 18:00, Hall 1	Panel: New Technologies in Neuro-Rehabilitation and Assistive Devices		
	Chairs: Saeed Behzadipour, Fariba Bahrami, Hadi Moradi, Abbas Omidvar		
	Wearable technologies	Saeed Behzadipour	20
	Rehabilitation robotics	Fariba Bahrami	20
	Technologies in cognitive rehabilitation	Hadi Moradi	20
	Neural technologies	Abbas Omidvar	20
	Discussion		10
16:00 - 18:00, Hall 2	Panel: Clinical and Experimental Stroke Research		
	Chairs: Mehdi Faroudi, Javad Mahmoudi, Saeed Sadigh Eteghad, Mohammad Taghi Saeedi, Parya Abravani		
	Survey on stroke epidemiology and importance	Mehdi Faroudi	20
	Experimental models on stroke research	Javad Mahmoudi	15
	Application of photobiomodulation in stroke recovery	Saeed Sadigh Eteghad	15
	Combining noninvasive brain stimulation with cognitive training	Mohammad Taghi Saeedi	20
	Cognitive rehabilitation and its effects on stroke	Parya Abravani	20
	Discussion		30
16:00 - 18:00, Hall 3	Panel: Epilepsy and Excitotoxicity		
	Chairs: Javad Mirnajafizadeh, Abdolrahman Sarihi, Vahid Sheibani, Farnaz Nikbakht, Fariba Karimzadeh , Tayebbeh Rastegar		
	The role of 5-HT3 receptors on the severity of seizure in the electrical amygdala kindled rats	Abdolrahman Sarihi	15
	Pharmacological Upregulation of Glutamate Transporter 1 Improves Cognitive Deficits in an Animal Model of Temporal Lobe Epilepsy	Daniel Ramandi	10
	The effect of omega-3 on the seizure attacks and inflammatory cytokines in drug-resistant epileptic patients: a double-blind randomized placebo-controlled clinical trial	Shekofe Bagheri	10
	Radio-Protective Effects of Melatonin on Subventricular Zone in Irradiated Rat: Decrease in Apoptosis and Upregulation of Nestin	Tayebbeh Rastegar	10
	Notch I discrepancies during development of chronic seizures induced by pentylentetrazol	Fariba Karimzadeh	10
	Behavioral study of acute and chronic modafinil, on ecstasy neurotoxicity in male and female rats	Golshad Kowsari	10
	Gender affects sleep architecture in obstructive sleep apnea	Kaveh Shahveisi	10
	Protective effects of Artemisia persica essential oil against pentylentetrazol-induced seizure in male mice with an emphasis on its mechanism of action	Mahbubeh Setorki	10

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	The histological and behavioral effect of treatment of Depakine (HDAC inhibitor) on deficits in Model of Demyelination (Multiple sclerosis) in C57BL/6 mice	Ardeshir Moayeri	10
	Effect of methamphetamine on mitochondrial biogenesis and alpha-synuclein in rat primary dopaminergic neurons	Neda Valian	10
16:00 - 18:00, Hall 4	Panel: Neurodegeneration and Neurodegenerative Disorders		
	Chairs: Alireza Sarkaki, Tourandokht Balouch Nezhad, Mansoureh Soleimani, Mehdi Mehdizadeh, Mohammad Javan, Mahmoud Hosseini		
	Therapeutic effects of three natural substances on animal model of traumatic brain injury. (Behavioral, Electrophysiological and Biochemical evaluations)	Alireza Sarkaki	15
	Effect of agmatine on deteriorations induced by methamphetamine on passive avoidance learning and memory, oxidative stress, memory related genes expression and hippocampal field potentials of rat	Maryam Noorbakhshnia	10
	Effect of insulin on scopolamine-induced memory impairment in male rats.	Motahareh Rouhi ardeshiri	10
	Involvement of NLRC4 inflammasome contributes to memory impairment in an experimental model of Alzheimer's like disease	Hamid Reza Nouri	10
	Everolimus, a mammalian target of rapamycin inhibitor, ameliorated streptozotocin-induced learning and memory deficits via neurochemical alterations in male rats	Hamid Reza Sadeghnia	10
	Evaluation of anti-inflammatory effects of seminal vesicle fluid in animal model of Alzheimer's disease	Nafiseh Pakravan	10
	Spatial search strategies in rats by activation of median raphe 5HT1A receptors: effect of selective cholinergic denervation	Soheila Hosseinzadeh	10
	Characterization of the CA1 pyramidal neurons in rat model of hepatic cirrhosis: insights into their electrophysiological properties	Iraj Aghaei	10
	Hippocampal BDNF level and its correlation with levels of IL-1 β after cholinergic hypofunction in NBM lesioned rats	Nasrin Hosseini	10
	Protective effects of exercise and DMOG- preconditioned stem cells on amyloid- beta- induced memory impairment and neurotoxicity in adult male rats	Sara Soleimani Asl	10
16:00 - 18:00, Hall 5	Panel: Cognitive Neuroscience		
	Mehdi Alizadeh, Alireza Valizadeh, Reza Lashgari, Vahid Nejati, Ebrahim Pishyareh, Hojatolah Haghgou		
	Application of beta index in measuring of risk taking: signal detection theory analysis	MohammadAli Nazari	15
	The study of neural correlates and metabolic effects of value-based normal nutritional behaviors for brain-targeted behavioral interventions; a COGNITOMICS approach	ATA POURABBASI	15
	A new method for magnetic stimulation of brain and assessment of its effects on attention	Hamideh Khalil Poor	10
	Designing a device to enhance reaction time and improve decision making in athletes, based on cognitive neuroscience	Morteza Aliashrafi	10
	Motor imagery enhances by transcranial direct current stimulation (tDCS) on prefrontal and parietal areas	Yousef Moghadas tabrizi	10
	Topography and timing of activity in right inferior frontal cortex and anterior insula for stopping movement	Amir Hossein Ashna	10
	Effect of brain tissue segmentation errors on EEG forward solutions	Kamran Kazemi	10
	Nero-linguistic basis of verbal suggestibility: An EEG study	Mehdi Mehrani	10
	Evaluation of cortical connectivity by using functional near-infrared spectroscopy	Mitra Yousefpour	10
16:00 - 18:00, Hall 6	Panel: Science of Mind and Brain; Philosophical Perspectives		
	Chairs: Keyvan Alasti, Ali Yousefi Heris, Hossein Sheikh Rezaei, Reza Mosmer		
	Scientific Explanation in Neuroscience	Keyvan Alasti	20
	Mirroring, Mindreading, and Simulating	Ali Yousefi Heris	20
	Philosophical Problems of Neurotheology	Hossein Sheikh Rezaei	20
	Memory and Morality	Reza Mosmer	20
	Discussion		30

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16:00 - 18:00, Hall 7	Workshop: basics of EEG data analysis (2)	Reza Khosrowabadi	
<h2>Second Day, Thursday</h2>			
8:30 - 10:00, Hall 1	Panel: Closed-Loop Neurofeedback Systems		
	Chairs: Mohammad Ali Nazari, Fahimeh Parsaei, Farhad Farkhondeh Tale Navi, Soomaayeh Heysieattalab		
	Investigation of neural mechanism underlying Neurofeedback: relevance and significance in neuroscience	Mohammad Ali Nazari	10
	EEG: from correlation to causality	Fahimeh Parsaei	15
	Closed-Loop brain training: The science of Neurofeedback	Mohammad Ali Nazari	30
	Electrophysiological experiments in closed-loop paradigm	Farhad Farkhondeh Tale Navi	20
	Neuroplasticity and cellular level interactions in Neurofeedback learning	Soomaayeh Heysieattalab	20
9:30 - 10:00, Hall 1	Keynote lecture: EEG Neurofeedback - from Basics to Clinical Application	Aribert Rothenberger	30
8:00 - 10:00, Hall 2	Panel: Neuropsychanalysis: The two perspectives of a Same Thing		
	Chairs: Amir Hossein Jalali Nadoushan, Morteza Nokhostin, Maryam Aslzaker, Ali Firoozabadi		
	Freud's Dream: Possible or not likely to happen?	Amir Hossein Jalali Nadoushan	20
	Localization and its discontents	Morteza Nokhostin	20
	Relational trauma	Maryam Aslzaker	20
	Unconscious and Ego	Ali Firoozabadi	20
	Discussion		30
8:00 - 10:00, Hall 3	Panel: Intraoperative Neuro Monitoring (Neurosurgeons View)		
	Chairs: Mohammad Taghi Joghataei, Abolfazl Rahimizadeh, Farzad Sina, Siamak Alizadeh Zندهrood, Yadollah Alimohammadi, Alireza Tabibkhooi, Amin Jahanbakhish		
	Principles of IONM	Mohammad Taghi Joghataei	15
	IONM in spine surgeries	Abolfazl Rahimizadeh	15
	IONM in neurosurgery	Amin Jahanbakhish	15
	IONM and results in neurosurgery	Yadollah Alimohammadi	10
	IONM in spine intramedullary tumors	Ali Babashahi	10
	IONM in brain surgeries	Alireza Tabibkhooi	15
	Glioma of eloquent area; technique and short-term outcome	Amirhossein Javadi	10
	Protecting nerves during surgery	Farzad Sina	10
	Techniques in IONM	Siamak Alizadeh zندهrood	10

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	Discussion		
8:00 - 10:00, Hall 4	High School Students Presentations		
8:00 - 10:00, Hall 5	COGC Meeting (1)		
8:00 - 10:00, Hall 6	Sadra Neuro-talks		
8:00 - 10:00, Hall 7	Panel: Neurophotronics: Novel Optical Methodologies for Neurobiology and Brain Science		
	Chairs: Parviz Elahi, Ali-Reza Moradi, Pezhman Sasanpour, Shahram Safari		
	Ablation-cooled material removal by fiber laser: application in neurosurgery	Parviz Elahi	30
	Non-destructive 3D imaging of Cells	Ali-Reza Moradi	30
	All-optical recording of neural activity	Pezhman Sasanpour	30
	Electrophysiological profiling of neurons in cerebral cortex	Shahram Safari	30
8:00 - 10:00, School of Advanced Technologies in Medicine	Workshop: Epigenetic regulatioj in the CNS (1)	Parham Vahdani	
10:00 - 10:30, Lobby	Tea and Coffee Break		
10:30 - 12:00, Hall 1	Panel: Psychoneuroimmunology		
	Chairs: Ahmadali Noorbala, Sara Hashempour, Ahmad Alipour, Laya Kafami, Mohammad Hossein Harirchian		
	Psychoneuroimmunology in mood disorder	Ahadali Noorbala	20
	Psychoneuroimmunology in psychotic disorder	Sara Hashempour	20
	Psychoneuroimmunology of stress	Ahad Alipour	20
	Psychoneuroimmunology of development	Laya Kafami	20
12:00 - 12:30, Hall 1	Keynote Lecture: Where is the Cure?	Maryam Norouziyan	30
10:30 - 12:30, Hall 2	Panel: Cognitive Rehabilitation		
	Chairs: Anahita khorrani Bonaraki, Malahat Akbar Fahimi, Peyman Hassani Abharian		
	Cognitive rehabilitation of attention	Anahita khorrani Bonaraki	20
	Cognitive rehabilitation of executive functions	Malahat Akbar Fahimi	20
	Cognitive rehabilitation of memory	Peyman Hassani Abharian	20
	Familiarity with Rehacom cognitive rehabilitation software	Asghar Ranjbar	20
	Discussion		40
10:30 - 12:30, Hall 3	Panel: Brain Aging		
	Chairs: Siamak Abdi, Ferdos Nazari, Zahra Badrkhahan, Shima Raisi, Rezvan Hashemi, Majid Sadeghi		
	Normal anatomical changes in aging	Siamak Abdi	20
	Normal neurotransmitter changes in aging	Ferdos Nazari	20
	Life style in brain aging	Zahra Badrkhahan	20
	Cognitive reserve in aging	Shima Raisi	20
	Nutrition and brain aging	Rezvan Hashemi	20

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	Discussion		10
10:30 - 12:30, Hall 4	Panel: Echo of Sabbatical Leaves (Brain Mapping)		
	Chairs: Seyedeh Sara Aghvami, Sadegh Masjodi, Mohsen Parto Dezfoli		
	Modeling of synaptic integration in the mammalian olfactory Bulb	Seyedeh Sara Aghvami	20
	Diffusion weighted MRI: high angular resolution diffusion imaging from data acquisition to tractography	Sadegh Masjodi	20
	Brain signal decoding related to feature binding in frontal cortex of monkey	Mohsen Parto Dezfoli	20
	Discussion		60
10:30 - 12:30, Hall 5	COGC Meeting (2)		
10:30 - 12:30, Hall 6	Workshop:Tutorial: Active inference, prior beliefs, and computational phenotyping	Thomas Parr	
10:30 - 12:30, Hall 7	Workshop: Farmed Tadjiz Co. (2)	Mohammad Ali Nazari	
10:30 - 12:30, School of Advanced Technologies in Medicine	Workshop: Epigenetic regulatioj in the CNS (2)	Parham Vahdani	
12:30 - 13:30, Lobby	Pray and Lunch		
13:30 - 14:00, Hall 1	Keynote Lecture: Targeted Cortical Manipulation of Auditory Perception in a Challenging Sound Discrimination	Brice Bathellier	30
14:00 - 15:30, Hall 1	Panel: Auditory Neuroscience: Cognitive Deficits in Tinnitus Indexed by topographic Brain Mapping		
	Chairs: Saeid Mahmoudian, Mehrnaz Mohebbi, Abdoreza Asadpoor, Mehran Jahed		
	Memory deficits in tinnitus	Saeid Mahmoudian	20
	Habituation deficits in tinnitus	Mehrnaz Mohebbi	20
	Functional Connectivity and source analysis in chronic tinnitus	Abdoreza Asadpoor	20
	Brain signals processing techniques in auditory neuroscience	Mehran Jahed	20
	Discussion		40
13:30 - 15:30, Hall 2	Iranian Neuroscience Society Meeting		
13:30 - 13:50, Hall 3	May celecoxib help clinicians to improve mood disorders? Some evidences about neuroinflammation theory	Mohammadreza Shalbafan	20
13:50 - 15:30, Hall 3	Panel: Neuropsychological Rehabilitation of Traumatic Brain Injury (TBI)		
	Chairs: Mahdi Sharif-Alhoseini, Heshmatollah Ghawami, Hossin Zare, Mohammad Arbabi		
	TBI: epidemiology and optimal rehabilitation system	Mahdi Sharif-Alhoseini	20
	Cognitive assessment and rehabilitation of TBI patients: an overview of national guidelines	Heshmatollah Ghawami	20
	Neuropsychological rehabilitation in pediatric TBI	Hossin Zare	20
	Management of psychiatric disorders following TBI	Mohammad Arbabi	20
	Discussion		20
13:30 - 15:30, Hall 4	Panel: Neuroimaging Methods in Human Olfactory		
	Chairs: Maryam Jalesi, Ali Shakerizadeh, Rafieh Alizadeh, Arash Zare Sadeghi		
	Using image guided surgery methods for olfaction	Maryam Jalesi	20
	The effect of olfactory training on structure and function of the brain, in patients with anosmia	Ali Shakerizadeh	20
	New approach for treatment of olfactory disorder	Rafieh Alizadeh	20
	How to stimulate olfactory system in MRI scanner and how to show the results for clinicians	Arash Zare Sadeghi	20
	Discussion		40

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13:30 - 15:30, Hall 5	Panel: Insular Seizure: An Interdisciplinary Case Conference (Clinical Residents Panel)		
	Chairs: Farhad Malek, Amirhossein Jafari-mehdiabad, Sina Taherzadeh-boroujeni, Sina Ghareje, Ali Mazar-Atabaki,		
	Case presentation and semiology	Amirhossein Jafari-mehdiabad	20
	Psychiatric issues	Sina Taherzadeh-boroujeni	20
	Diagnosis and management of epilepsy with psychiatric manifestations	Sina Ghareje	20
	Surgical interventions in epilepsy	Ali Mazar-Atabaki	20
	Discussion		40
13:30 - 15:30, Hall 6	Workshop: Social Decision Making	Hossein Vahabi	
13:30 - 15:30, Hall 7	Workshop: Keynotes in fMRI Studies (1)	Amir Hossein Batouli	
15:30 - 16:00, Lobby	Tea and Coffee Break		
16:00 - 18:00, Hall 1	CNC Insights: Neurotrauma and Ischemia		
	Mohammad Taghi Joaghataei, Hushang Saberi, Alireza Zali, Nahid Aoutaleb, Abeldin Vakili		
	Induction of BDNF expression by progesterone worsen post-traumatic seizures	Shiva Ghadiri	20
	14-3-3ζ recombinant protein induces BDNF transcription after MCAO in rat	Naeemeh Khalesi	10
	Evaluation of anti-apoptotic and anti-cytotoxic effect of epicatechic gallate and edarvone on SH-SY5Y neuroblastoma cells	Ramin Atae	10
	Pre-conditioning of MSCs by deferoxamine improve stem cell homing in the damaged cochlea through the PI3K/AKT- HIF1-α-CXCR4 Pathway activation	Somayeh Niknazar	10
	Alpha-Lipoic Acid and Coenzyme Q10 combination ameliorates experimental diabetic neuropathy by modulation of oxidative stress and apoptosis pathways leading to the dorsal root ganglion neurons degeneration	Asieh Hosseini	10
	Crocic acid attenuated blood-brain barrier interruption and brain edema by reduction of IL-6 and MMP-9 expression following cerebral ischemia/reperfusion injury in rat	Javad Raouf Sarshoori	10
	Hypothermia protect brain from apoptosis and cell death in stroked Rat	Laya Ghahari	10
	Coenzyme Q10 Influences on the Levels of TNF-α and IL-10 and the Ratio of Bax/Bcl2 in a Menopausal Rat Model Following Lumbar Spinal Cord Injury	Maryam Soleimani	10
	Effect of Biochanin A on Improving Memory and Motor Behavior of Male Rat Model of diffuse traumatic brain injury (DTBI) in Acute Phase	Marzieh Darvishi	10
16:00 - 18:00, Hall 2	Panel: Advanced Techniques in Neuroimaging		
	Chairs: Seyed Amir Hossein Batouli, Hadi Ahmadzadeh, Samira Raminfard, Arash Zare Sadeghi		
	How to gather and archive neuroimaging data in an standard media	Seyed Amir Hossein Batouli	20
	Deliberate deception detection, using fMRI	Hadi Ahmadzadeh	20
	Clinical application of advanced neuroimaging techniques	Samira Raminfard	20
	Advanced brain network comparison methods; statistical to pattern recognition	Arash Zare Sadeghi	20
	Discussion		40
16:00 - 18:00, Hall 3	Panel: Neurodevelopment and Adverse Effects of Stress		
	Chairs: Saeid Semnani, Ali Rashidi Pour, Hedayat Sahraei, Arezo Nahavandi, Hamid Reza Pouretemad, Mahmoud Reza Hajighasem		
	Juvenile stress and cognitive functions	Ali RashidyPour	20
	Vitamin-D3 regulation of stress induced-increase in serum corticosterone and reduce in hippocampus BDNF in male rat	Katayoun Sedaghat	10
	Exposure to Air pollution by Diesel exhausts particles: behavioral alteration, oxidative stress and Neuroinflammation on adult male mice	Mojtaba Ehsanifar	10
	The effects of enriched environment on the cognitive/affective functions in female rats with long term sensory deprivation of barrel cortex	Seyede fatemeh Taghavi	10
	White matter injury and autistic-like behavior affecting male rat offspring exposed to prenatal lipopolysaccharide-induced inflammation	Zahra Namvarpour	10

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	Cigarette smoking and epigenetics changes in brain growth factors	Behnoosh Miladpour	10
	Effects of maternal deprivation on synaptic plasticity of hippocampal CA1 neurons of morphine-dependent rats	Sayyed Alireza Talaei	10
16:00 - 18:00, Hall 4	Panel: Using Computer Games for Cognitive Screening and Rehabilitation		
	Chairs: Reza Rostami, Yousef Khodabandeh Loo, Leila Kashani, Asiyeh Rezaei		
	Games and cognitive rehabilitation	Reza Rostami	20
	The cognitive effects of computerized cognitive training on mental disorders	Yousef Khodabandeh Loo	20
	Screening and rehabilitation of autism using an emotion oriented game	Leila Kashani	20
	The role of computer games in obesity prevention and therapy in children and adolescences	Asiyeh Rezaei	20
	Discussion		40
16:00 - 18:00, Hall 5	Panel: Social Neuroscience, Radicalization and Terrorism (Clinical Residents Panel)		
	Chairs: Shayan Kashefi-nezhad, Poorang Bassir, Ali Fallahzadeh		
	social neuroscience, aggression and antisocial behavior	Shayan Kashefi-nezhad	20
	interpersonal and micro-sociological processes in radicalization and terrorism	Poorang Bassir	20
	group dynamics and terrorism	Ali Fallahzadeh	20
	Discussion		30
16:00 - 18:00, Hall 6	Workshop: Decision Making Under Risk and Uncertainty	Atiyeh Sarabi	
16:00 - 18:00, Hall 7	Workshop: Keynotes in fMRI Studies (2)	Amir Hossein Batouli	

Third Day, Friday

8:00 - 9:30, Hall 1	Panel: Social Decision Making and Psychiatric Disorders		
	Chairs: AmirHossein Memari, Seyed Vahid Shariat, FatemehSadat Mirfazeli, Mohammad Kazem Atef Vahid, Aliakbar Nejatisafa		
	Social decision making in humans ; an introduction	AmirHossein Memari	20
	Social decision making In mood disorder	Seyed Vahid Shariat	20
	Social decision making in personality disorder	FatemehSadat Mirfazeli	20
	Social decision making enhancement and modification	Mohammad Kazem Atef Vahid	20
	Discussion		10
9:30 - 10:00, Hall 1	Keynote lecture: The Anatomy of Inference: Internal Models in the Brain	Thomas Parr	30
8:00 - 10:00, Hall 2	Panel: Sleep Neuroscience: Our Sleeping-Brain as a Substrate for Our Neuro-Functional and Cognitive Productivity		
	Chairs: Mohammad Nami, Anahita Khorrami Banaraki, Mohammad Nasehi, Mahshid Tahamtan		
	Hypersomnia in neurological and psychiatric disease conditions; What to be done when, how and for whom?	Mohammad Nami	20
	The differential role of neurotransmitter systems in sleep regulation	Anahita Khorrami Banaraki	20
	Emotion processing and REM sleep dynamics	Mohammad Nasehi	20
	An overview on sleep microstructure in relation to cognitive fitness	Mahshid Tahamtan	20
	Discussion		40

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8:00 - 10:00, Hall 3	Panel: Echo of Sabbatical Leaves (Humanities social sciences)		
	Chairs: Mehdi Tehrani Doost, Zahra Soltani Nezhad, Mohammad Rostami, Samira Ahrari, Rohollah Haghshenas, Alireza Mazarian		
	The Facial non-verbal communication skills across childhood development	Zahra Soltani Nezhad	20
	Investigating neuronal mechanisms of ADHD subgroups based on brain signals	Mohammad Rostami	20
	Instructed fear learning, extinction, and recall: additive effects of cognitive information on emotional learning of fear	Samira Ahrari	20
	Psychopathy as a marginal case for moral responsibility	Rohollah Haghshenas	20
	Externalism – Materialism debate	Alireza Mazarian	20
	Discussion		20
8:00 - 10:00, Hall 4	Panel: Preclinical Approaches in Traumatic Brain injury		
	Chairs: Mohammad Khaksari Haddad, Ali Siahposht- Khachaki, Zahra Soltani, Rezvan Rezaenejad		
	Long-term changes in memory after severe brain trauma: the role of progesterone and its receptor	Mohammad Khaksari Haddad	20
	The role of tamoxifen (a selective estrogen receptor modulator) on neurological score, blood-brain barrier and brain edema after traumatic brain injury in male rat: the role of matrix metalloproteinase-9	Ali Siahposht- Khachaki	20
	Outcome of traumatic brain injury in the presence of previous exercise	Zahra Soltani	20
	The effect of Boswellia serrata extract and AKBA (Acetyl-11-keto- β -boswellic acid) on the neurological scores, brain edema and brain -blood barrier after severe traumatic brain injury in male rats: the role of IL-1 β and IL-10	Rezvan Rezaenejad	20
	The progesterone improve spatial memory impairments at delayed time intervals following traumatic brain injury: classic progesterone receptor	Ladan Amirkhosravi	10
	Discussion		30
8:00 - 10:00, Hall 5	Panel: Developmental Neuroscience: Vision, Detection and Intervention		
	Chairs: Mohammad zonuza rad, Seyed Behnam Jamei, Jila mirlashari, Seifollah Heidarabadi		
	New concepts and new visions in early child development	Mohammad zonuza rad	20
	Synactive theory of newborn development and NIDCAP program	Jila mirlashari	20
	High risk infants follow up system ;Early detection and Early intervention	Seifollah Heidarabadi	20
	Discussion		30
8:00 - 10:00, Hall 6	Workshop: Behavioral Economics and Irrationality	Zahra Mousavi	
8:00 - 10:00, Hall 7	Workshop: transcranial Electrical Stimulation (tES) applications in Neuroscience researches	Masoud Nosratabadi	
10:00 - 10:30, Lobby	Tea and Coffee Break		
10:30 - 11:00, Hall 1	Keynote lecture: Effects of Early Adverse Events on Brain Development	Mehdi Tehrani Doost	30
10:30 - 12:30, Hall 1	Panel: Fundamentals and Assessment in Neuropsychiatry		
	Chairs: Mostafa Hamdiye, Mohammad Arbabi, Emytis Tavakoli, Samira Ahrari, Hamidreza Naghavi		
	Fundamentals in neuropsychiatry	Mostafa Hamdiye	20
	Clinical assessment in neuropsychiatry	Mohammad Arbabi	20
	Neuropsychological assessment in neuropsychiatry	Emytis Tavakoli	20
	Functional imaging in neuropsychiatry	Samira Ahrari	20

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10:30 - 12:30, Hall 2	Cognition, and Psychiatric Disorders		
	Mohammad Ghadiri, Javad Hatami, Alireza Moradi, Esmaeil Shahsavand, Katayoun Razjouyan, Mitra Hakim Shoostari, Sajad Salari		
	Autism Screening: A Voice-Based Approach	Aida Khozaee	10
	New approaches in the investigation of addiction mechanism and its treatment	Amin Ataie	10
	Does neuronal damage exist in suicide attempters?	Maryam Bagheri	10
	Delay discounting in depression: fatalistic time perspective as a unique explanation for preference in immediate rewards	Maryam Moghaddas	10
	Regional EEG delta power and behavioral symptoms in autism spectrum disorder	Najva Mousavi	10
	Methamphetamine abuse and its anticipatory factors in women taking methamphetamine abusers	Nasrin Abdoli	10
	Dietary and plasma antioxidants in mild impaired and normal cognitive elders: A case-control study	Neda Dolatkah	10
	The efficacy of combined inhibitory control plus errorless naming treatment on word retrieval deficits in patients with aphasia	Rezvan Akbari Manie	10
	Studying the effectiveness of cognitive program based on gardner's multiple intelligences theory on multiple intelligences of children with autism spectrum disorder	Samira Vakili	10
	The effects of computer games on emotion regulation of children with autism	Leila Kashani Vahid	10
	Virtual reality for cognitive rehabilitation of people with autism spectrum disorder	Khorshid Motemani	10
10:30 - 12:30, Hall 3	Panel: Learning and Memory Studies		
	Chairs: Fereshteh Motamedi, Mohammad Reza Zarrindast, Naser Naghdi, Abbas Ali Vafaei, Abbas Haghparast, Gholamreza Hassanzadeh		
	Role of neurotransmitter systems in fear memory extinction	Abbas Ali Vafaei	15
	Dark neuron formation: a mode of death or a protective mechanism? A possible quantum vibration of glycocalyx	Shahriar Ahmadpour	10
	Cross state-dependency of learning between arachidonylcyclopropylamide (ACPA) and muscimol in the mouse dorsal hippocampus	Majid JafariSabet	10
	Neuro-inflammation underlie changes in the gene expression of mitogen-activated protein kinases and induction of morphine tolerance in rats	Shamseddin Ahmadi	10
	Levothyroxine increased the expression of the hippocampal alpha7 nicotinic acetylcholine ($\alpha 7nAChR$) and N-methyl-D-aspartate (NMDAR1) receptors and improved long-term potentiation in an animal model of	Yaghoob Farbood	10
	Sub-chronic curcumin pretreatment ameliorates inhibitory memoryimpairment induced by morphine	Behrang Alani	10
	In Silico evaluation of the interaction of gabapentin with monoamine oxidase b by docking method	Fatemeh Khojasteh	10
	The effect of ethanolic extract of Matricaria chamomilla on prefrontal cortex of cerebral hemispheres and passive avoidance memory in male rats exposed to formaldehyde	Iraj Jafari anarkooli	10
	Role of infralimbic dopamine D2 receptor in corticosterone-induced facilitation of auditory fear memory extinction in rats	Masoumeh Dadkhah	10
	The role of immune system against amnesia and depression caused by sleep deprivation due to the genes involved in CA1 of hippocampus	Mohammadjavad Hoseinpoufard	10
	Time profile of the hippocampal ghrelin mRNA expression during memory consolidation	Siamak Beheshti	10
	Visuospatial working memory modulates $\alpha\beta$ brain rhythms within MT cortex of macaque monkey	Zahra Bahmani Dehkordi	10
10:30 - 12:30, Hall 4	Panel: Next-generation Biomarkers in Neurodegenerative Diseases		
	Chairs: Maryam Zahmatkesh, Anahita Torkaman-Boutorabi, Mahdi Shafiee Sabet, Samaneh Aminyavari		
	Promising biomarkers in alzheimer's disease	Maryam Zahmatkesh	20
	Next-generation biomarkers in parkinson's disease	Anahita Torkaman-Boutorabi	20
	The role of the novel biomarkers in management of neurodegenerative diseases	Mahdi Shafiee Sabet	20
	Apelin, a potential biomarker for alzheimer's disease	Samaneh Aminyavari	20

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	Discussion		40
10:30 - 12:30, Hall 5	Panel: Theory of mind: Philosophical and Developmental Perspectives		
	Chairs: Ali Yousefi Heris, Sajed Tayebi, Seyyed Payam Kamaneh, Yasser Pouresmail		
	Theory of mind: rethinking the false-belief test	Ali Yousefi Heris	20
	Mental files and the false-belief test	Sajed Tayebi	20
	Thought insertion in schizophrenia: the sense of agency and simulational mindreading	Seyyed Payam Kamaneh	20
	A finest indexing account of object tracking	Yasser Pouresmail	20
	Discussion		40
10:30 - 12:30, Hall 6	Workshop: Neuroeconomics of Emotion and Decision Making	Raheleh Shafaie	
10:30 - 12:30, Hall 7	Workshop: Why and How Cognitive Rehabilitation		
12:30 - 13:00, Hall 1	Keynote Lecture: Am I My Brain's Creation?	Abdolrahman Najle Rahim	30
13:00 - 13:30, Hall 1	Closing Ceremony & Awards Announcement		