Wednesday, September 26, 12 noon - 2 PM

Last name	First name	Title	Theme
Thomas	John	Resting state somatosensory functional map is composed of multiple networks in macaque monkeys and humans	Mechanisms
Adam	Ramina	Resting-state functional reorganization during recovery of the saccade choice bias following an experimental prefrontal cortex stroke in macaque monkeys	Mechanisms
Bibollet-Bahena	Olivia	Network connectivity in the visual system of mice reared in an enriched environment	Mechanisms
Aedo Jury	Felipe	Distinct brain dynamics under persistent and slow wave brain state in rats revealed by functional connectivity analyses	Mechanisms
Sharma	Saloni	A comparison of macaque monkey posterior and anterior insular functional networks using task-related and resting-state fMRI	Mechanisms
Oldehinkel	Marianne	Investigating dopamine-specific projections in the human striatum with resting-state fMRI	Mechanisms
SITT	Jacobo	Consciousness in human subjects and primates is supported by temporally evolving brain processes	Mechanisms
Ma	Zilu	Development of brain-wide connectivity architecture in awake rats	Mechanisms
Tu	Wenyu	Impact of inactivating a hub node on the whole-brain network organization	Mechanisms
Cortes Hernandez	Nelson	Cortical dynamics are mediated by the pulvinar	Mechanisms
Gutierrez-Barragan	Daniel	Brain-wide mapping of fMRI network dynamics in the mouse brain	Mechanisms
Caparelli	Elisabeth	The effects of smoothing and scan duration on functional connectivity of the Amygdala using high-resolution resting-state fMRI	**Data acquisition methods**
Cai	Xingya	Spontaneous functional maps observed in monkey visual areas with intrinsic signal optical imaging	**Data acquisition methods**
Singh	Jai Puneet	Mouse fMRI analysis of morphine effects on whole brain activity: functional connectivity signature under two different anaesthetics	**Data acquisition methods**
Nomi	Jason	Test-Retest Reliability of Resting-State BOLD Signal Variability Measures	**Modeling and analysis**
Scheffler	Klaus	Vascular point spread function in real cortical vessel networks	**Modeling and analysis**
Savva	Antonis	Evaluation of Metrics for Assessing Dynamic Functional Connectivity Using the Sliding Window Method	**Modeling and analysis**
Demirtas	Murat	Hierarchical Heterogeneity Across Human Cortex Shapes Large-Scale Neural Dynamics	**Modeling and analysis**
Fukushima	Makoto	Fluctuations in global network topology of resting-state functional connectivity: comparison of modeled and empirical data	**Modeling and analysis**
Lohmann	Gabriele	Bipartite connectivity mapping (BCM)	**Modeling and analysis**
Uludag	Kamil	On the importance of fMRI signal models when estimating effective connectivity	**Modeling and analysis**
Huotari	Niko	An examination of the effects of changing sampling rate in fMRI analytics	**Modeling and analysis**
Ionescu	Tudor Mihai	Dynamic [18F]FDG PET acquired simultaneously to fMRI provides complementary resting-state connectivity information on a metabolic scale	**Modeling and analysis**
Ionescu	Tudor Mihai	Evaluation of molecular-level resting-state connectivity based on dynamic serotonin transporter ([11C]DASB) PET acquired simultaneously to fMRI	**Modeling and analysis**
Avaria	Rodrigo	Hierarchical Dirichlet Process Hidden Markov Model for estimating switching dynamics in Resting State EEG	**Modeling and analysis**
Ding	Zhaohua	Detection of Functional Activation in White Matter Based-on Voxel-wise Frequency Analysis	**Modeling and analysis**
Li	Muwei	Characterization of hemodynamic responses in brain white matter using event-related functional tasks	**Modeling and analysis**
Castro	Samy	Connectivity structures drive multistability of global brain activity	**Modeling and analysis**
Gorbach	Tetiana	A hierarchical Bayesian mixture modeling for analysis of resting-state functional brain connectivity	**Modeling and analysis**
Wirsich	Jonathan	Bimodal functional connectome traits of fused concurrent EEG-fMRI	**Modeling and analysis**
Suarez	Laura	Reverse Engineering the Human Connectome - Learning Function from Structure	**Modeling and analysis**

Lei	Xu	The Global Signal of Resting-state EEG	**Modeling and analysis**
Raitamaa	Lauri	The effect of breath-hold on cardiac pulsation amplitude in brain stem and spread of cardiac pulse in the brain	**Modeling and analysis**
Falakshahi	Haleh	Capturing Blocked Paths and Missing Edges in a Meta-modal Framework	**Modeling and analysis**
Kayvanrad	Aras	Challenging assumptions regarding physiological correction: a comparison of rs-fMRI denoising techniques	**Modeling and analysis**
Kayvanrad	Aras	The contribution of low-frequency and physiological-noise power to functional connectivity: a comparison of rs-fMRI denoising techniques	**Modeling and analysis**
Afyouni	Soroosh	Effect of Regional Autocorrelation on Resting-state Functional Connectivity Inference	**Modeling and analysis**
Ma	Yuncong	Neural Components underlying Global Signal	**Modeling and analysis**
Orio	Patricio	Chaos versus Noise as Drivers of Dynamic Functional Connectivity in Neural Networks	**Modeling and analysis**
Fernandes Casseb	Raphael	HiDyConn Toolbox: updates and application	**Modeling and analysis**
Kobayashi	Tetsuo	Automatic white matter analysis to evaluate local disruptions along nerve fiber tracts towards identification of neural circuits associated with neuropsychiatric disorders	**Modeling and analysis**
Colenbier	Nigel	Blood flow and other contributions to the global signal: a story of inequality and consequences	**Modeling and analysis**
LeVan	Pierre	The relationship between structural connectivity, dynamic functional connectivity, and electrophysiologically measured effective connectivity	**Modeling and analysis**
Hussein	Ahmad	Resting state BOLD signal fluctuations and arterial stiffness: Are they related?	**Modeling and analysis**
Van de Steen	Frederik	Dynamic causal modelling of fluctuating connectivity in resting-state EEG	**Modeling and analysis**
Gu	Yameng	Arousal-related fMRI modulations mediate the effect of the motion-based scrubbing on resting-state function connectivity	**Modeling and analysis**
Abou-Abbas	Lina	Optimization and comparison of different machine learning algorithms to predict risk and diagnostic outcomes	**Machine or deep learning**
Yousefi	Behnaz	Multiple Quasi-Periodic Patterns of intrinsic brain activity and their contribution to functional connectivity	**Machine or deep learning**
Shakil	Sadia	Relationship of EEG and music features through low dimensional manifolds	**Machine or deep learning**
Verrecchia	Violaine	Automated classification of independent components obtained from individual fMRI datasets into 45 different categories of Resting-State-Networks, or artifacts	**Machine or deep learning**
Afzali	Mohammad	Resting state features of the Broad Internalizing Dimension: A Machine-Learning Study	**Machine or deep learning**
Ahmad	Fayyaz	Quantifying perception of complexity using functional resonance imaging of human brain	**Healthy / Cognitive**
Mangalore	Sandhya	Decoding fatigue in RRMS using neural correlate and neuro economic as biomarkers- a graph theory analysis of resting fMRI	**Healthy / Cognitive**
Vaquero	Lucía	Differential effects of language and music training on structural and functional connectivity within the dorsal auditory-motor pathway.	**Healthy / Cognitive**
Golestani	Ali	Investigating autocorrelation pattern in the human hippocampus using resting-state fMRI	**Healthy / Cognitive**
Hunt	Benjamin (Ben) Alexa	Neurotypical developmental trajectories: A Task Free MEG Study	**Healthy / Cognitive**
Belden	Alexander	Hearing Creatively: Default Network Selectively Synchronizes to Auditory Cortex in Jazz Musicians	**Healthy / Cognitive**
Vandewouw	Marlee	Default mode network evolution with age: single-site data from over 350 children, youth, and adults	**Healthy / Cognitive**
Gießing	Carsten	Identifying subgroups of drug efficacy using brain network topology: Nicotine effects in healthy outliers	**Healthy / Cognitive**
Mazzonetto	Ilaria	Spatio-spectral EEG fingerprint of the Default Mode Network	**Healthy / Cognitive**
Poyraz Bilgin	Isil	Resilience of Core-Periphery Functional Brain Networks in Semantic Information Processing	**Healthy / Cognitive**
Giroud	Nathalie	Working memory capacity, but not age, modulates prefrontal-visual connectivity during context use in an audiovisual speech perception task	**Healthy / Cognitive**
Vachon-Presseau	Etienne	Predicting placebo response in clinical trials from brain connectivity and personality traits	**Healthy / Cognitive**
Astudillo	Aland	Loss of Resting State EEG switching dynamics at high geographical altitude: Evidence for loss of cognitive flexibility?	**Healthy / Cognitive**
Wirsich	Jonathan	Co-occurring dynamic changes in concurrent EEG- and fMRI connectomes	**Healthy / Cognitive**

Jakobsen	Estrid	Parcellating auditory cortex based on resting-state functional connectivity	**Healthy / Cognitive**
Faghiri	Ashkan	The path our brain travels; a novel look at dynamic functional brain connectivity	**Healthy / Cognitive**
Alavash	Mohsen	Functional reconfiguration of brain network modularity predicts cued speech comprehension	**Healthy / Cognitive**
Markett	Sebastian	The connectome in (e)motion - task-evoked changes in functional connectivity during emotional processing	**Healthy / Cognitive**
Turnbull	Adam	Staying on task: the role of the dorsolateral prefrontal cortex in regulating context-dependent ongoing thought	**Healthy / Cognitive**
Wu	Changwei	Network-based Diurnal Alterations of Functional Connectivity across A Day	**Healthy / Cognitive**
Skatun	Kristina C	Altered connectivity within resting state networks in male users of anabolic androgenic steroids	**Healthy / Cognitive**
CHEN	YUXUAN	Different Body Positions Affect Amplitude of Resting-State fNIRS Global Signal and EEG Vigilance Measures	**Healthy / Cognitive**
wang	pan	Exploring the sub-regions of corpus callosum using the resting-state functional connectivity and independent component analysis	**Healthy / Cognitive**
Vos de Wael	Reinder	Topographic mapping of intrinsic functional connections along hippocampal subfields	**Healthy / Cognitive**
Horta	Marilyn	Oxytocin modulation of amygdala connectivity varies by age and facial emotion	**Healthy / Cognitive**
Martynova	Olga	Asymmetry in Functional Connectivity of Amygdala in Resting State after Fear Memory Retrieval in Healthy Adults	**Healthy / Cognitive**
Karsten	Specht	Glutamate and hormonal concentration modulate connectivity in a network related to social processing	**Healthy / Cognitive**
Rosenberg	Monica	Tracking network fluctuations during movie watching with inter-subject dynamic functional connectivity	**Healthy / Cognitive**
Colic	Lejla	Glutamate and GABA measured in the aMCC influence resting state activity in the extended salience network	**Healthy / Cognitive**
AKIN	BURAK	Dynamic functional connectivity reveals altered subnetwork interaction within default-mode network hubs	**Healthy / Cognitive**
Simal	Amour	Event-related dynamics of lateralized beta-band synchrony in visuospatial attention	**Healthy / Cognitive**
Razlighi	Qolamreza	Functional connectivity of the Default mode network is not altered by task-evoked negative BOLD response	**Healthy / Cognitive**
Kumar	Vinod	Functional Connectivity within the Thalamus during Rest and Visual Task	**Healthy / Cognitive**
Hao-Ting	Wang	Inhibition of prior mental content contributes to content representation of on-going thoughts	**Healthy / Cognitive**
Shafiei	Golia	Dopamine signaling modulates the stability and integration of intrinsic brain networks	**Healthy / Cognitive**
Benson	Brenda	Examination of RSFC network interaction from childhood to adulthood	**Healthy / Cognitive**
Monnier	Anne	Studying a top-down influence in a visual spatial task using functional connectivity	**Healthy / Cognitive**
Zeffiro	Thomas	Why Is Clinical fMRI In a Resting State?	**Neurological diseases**
Sinitsyn	Dmitry	Degrees of functional connectome abnormality in disorders of consciousness	**Neurological diseases**
Kuceyeski	Amy	Functional rerouting along the structural connectome is associated with improved cognitive recovery after mild TBI	**Neurological diseases**
Qiu	Mingguo	Brain Functional Connectivity Plasticity inthe Sensorimotor Network following Lower Limb amputation	**Neurological diseases**
Arnold Anteraper	Sheeba	Atypical Dentate Nucleus functional connectivity in High-functioning Autism Spectrum Disorder	**Neurological diseases**
Koenig	Katherine	Episodic memory performance is related to frontoparietal functional connectivity in MS	**Neurological diseases**
Jannati	Ali	Lesion network mapping predicts remote brain atrophy	**Neurological diseases**
Schumacher	Julia	Slowing of EEG microstate dynamics in Lewy body dementia is related to slowing of subcortical dynamics	**Neurological diseases**
Mehraram	Ramtin	The level of impairment of the β (beta) network measured by electroencephalography discriminates dementia with Lewy bodies from Alzheimer's disease.	**Neurological diseases**
Hampton	Olivia	Baseline resting-state connectivity and amyloid burden is associated with posterior default mode-related cortical thinning in preclinical Alzheimer's disease	**Neurological diseases**
Ravi	Mill	Title: Predicting dysfunctional aging-related task activations from resting-state network alterations	**Neurological diseases**

Vuksanovic	Vesna	Modular Organisation of Cortical Thickness and Surface Area Networks in Alzheimer's Disease and Behavioural Variant Frontotemporal Dementia	Neurological diseases
Berroir	Pierre	Small-world network analysis on patient with post stroke aphasia - Impact of 5 weeks of language therapy on rs-functional connectivity	Neurological diseases
Egbert	Anna	Resting state functional connectivity distinguishes mild cognitive impairment, cerebral amyloid angiopathy and Alzheimer's disease	Neurological diseases
Safar	Kristina	Altered functional connectivity networks to emotional faces in ASD	Neurological diseases
von Schwanenflug	Nina	Dynamic hippocampal network configurations in patients with anti–N-methyl-d-aspartate (NMDA) receptor encephalitis	Neurological diseases
Woldman	Wessel	Dynamic network properties derived from resting-state EEG determine whether seizures appear focal or generalised	Neurological diseases
Gonneaud	Julie	Prediction of brain age using resting-state functional connectivity reveals accelerated aging in the preclinical phase of autosomal dominant Alzheimer's disease, irrespectively of amyloid pathology	Neurological diseases
Chhatwal	Jasmeer	Anticholinergic amnesia is mediated by alterations in human network connectivity architecture	Neurological diseases
Di Giovanni	Daniel	Bringing Resting-state connectivity into the Operating Room: Comparing task and resting-state functional connectivity in presurgical language mapping	Neurological diseases
Barber	Anita	Age-Normative Pathways of Striatal Connectivity Related to Clinical Symptoms in the General Population	Neurological diseases
Schultz	Aaron	Longitudinal change of functional connectivity in an MCI cohort	Neurological diseases
Khosla	Meenakshi	Functional connectivity based diagnosis of autism: a convolutional neural network based approach	Neurological diseases
Kim	Dae Hyun	Brain mapping of motor and functional recovery after supratentorial stroke	Neurological diseases
Kim	Dae Hyun	Correlation between gait analysis and subregional uptake of striatal dopamine transporter on 18F-CIT positron emission tomography in patients with idiopathic Parkinson disease	Neurological diseases
Konstantinou	Nikos	The effects of traumatic brain injury on functional connectivity and its relationship to cognitive outcome	Neurological diseases
Day	Trevor K.M.	Joint analysis of changes in SDBOLD and functional connecvity in the default mode network in Parkinson's disease	Neurological diseases
Proshina	Ekaterina	5-HTTLPR polymorphism and EEG resting state networks	Neurological diseases
Potvin-Desrochers	Alexandra	Resting-state functional connectivity to characterize freezing of gait in Parkinson's Disease	Neurological diseases
Boshkovski	Tommy	The myelin-weighted connectome: a new look at multiple sclerosis	Neurological diseases
Basu	Anisha	Non-dominant Hemisphere Network Alterations in Primary Progressive Aphasia: Evidence for Potential Neuroplasticity Using Resting State Functional Connectivity	Neurological diseases
Abós Ortega	Alexandra	Functional connectivity combined with multivariate analyses for the discrimination of Atypical Parkinsonian Syndromes	Neurological diseases
Bonakdarpour	Borna	Treatment-induced changes in resting brain activity in primary progressive aphasia	Neurological diseases
Li	Huijie	Distance-related functional connectivity deficits in Alzheimer's disease	Neurological diseases
Yeh	Mei-Yu	Is Brain Connectivity reduced according to the Severity of Asymptomatic Carotid Artery Stenosis	Neurological diseases
Kim	Nessa	Discrete time windows describe new functional connectivity features in Parkinson's disease	Neurological diseases
La	Christian	Cognitive Influence on Dynamic Functional Network in Parkinson's Disease	Neurological diseases
Ciantar	Sarah	Multisensory training associated with neurophysiological and affective changes in Parkinson's Disease	Neurological diseases
Ho	Rachelle A.	Changes in functional connectivity correlate with symptom resolution in adolescents following concussion	Neurological diseases
Kananen	Janne	Ultra-fast fMRI reveals individual differences in brain functionality with epilepsy patients	Neurological diseases
Vanasse	Thomas	A Resting-state Network Profile of Combat Trauma and Post-Traumatic Stress Disorder	Psychiatric diseases
Tan	Aaron	Effects of the KCNQ channel opener ezogabine on functional connectivity of the ventral striatum and clinical symptoms in patients with major depressive disorder	Psychiatric diseases
Malhotra	Anil	Striatal volume and functional connectivity predict weight gain in early-phase schizophrenia	Psychiatric diseases

Das	Tushar	Loss of resting-state functional complexity in schizophrenia and bipolar disorder with psychosis	**Psychiatric diseases**
Invernizzi	Azzurra	Using fast ECM and rs-fMRI data in rTMS treatment of complex visual hallucinations – A case study	**Psychiatric diseases**
Lencz	Todd	Baseline fALFF predicts treatment response in early phase schizophrenia	**Psychiatric diseases**
Sarpal	Deepak	Functional Connectivity of the Globus Pallidus in Patients with FirstEpisode Schizophrenia: Implications for Outcomes	**Psychiatric diseases**
Bordier	Cécile	Disrupted modular organization of primary sensory brain areas in schizophrenia	**Psychiatric diseases**
anand	amit	Intrinsic Functional Connectivity During Continuous Maintenance and Suppression of Emotion in Bipolar Disorder	**Psychiatric diseases**
Mennigen	Eva	Reduced higher-dimensional dynamism in youths with psychosis spectrum symptoms is mediated by cognition	**Psychiatric diseases**
Li	Yuting	Hippocampus-driving progressive structural alterations in medication-naïve major depressive disorder	**Psychiatric diseases**
Miller	Robyn	Dynamic whole-brain voxel polarity patterns strongly distinguish schizophrenia patients from controls	**Psychiatric diseases**
Yang	Hang	Aberrant whole-brain task-modulated connectivity in Schizophrenia under stop signal task	**Psychiatric diseases**
Gruskin	David	Altered inter-subject correlation scales with depressive symptom severity in children and adolescents	**Psychiatric diseases**
Ries	Anja	Frequency-specific organization of functional hubs in the human brain and alterations in major depressive disorder	**Psychiatric diseases**
Shukla	Ayushi	Cognitive insight and resting state connectivity in Schizophrenia	**Psychiatric diseases**
zhang	tao	ADHD classification by a multi-scale energy features of voxel-wise resting-state fMRI BOLD signal	**Psychiatric diseases**
Evans	Jennifer	Resting state fMRI and simultaneous EEG changes in major depression following acute administration of ketamine	**Psychiatric diseases**
Munoz-Velazquez	Jaime	Connectome-Based Analysis of Youth with Generalized Anxiety Disorder	**Psychiatric diseases**
Maglanoc	Luigi Angelo	Can various estimates of resting-state functional connectivity predict polygenic risk scores for depression and neuroticism?	**Psychiatric diseases**
Nikoulina	Anastasia	Functional network connectivity across rest, music listening, and working memory steady states in young adults with alcohol use disorder	**Psychiatric diseases**
Bessette	Katie L.	Neuroticism is Specifically Associated with Increased Connectivity Between Default and Salience Networks	**Psychiatric diseases**
Edalati	Hanie	Exploring the Resting-state Functional Connectivity of Brain Networks in Adolescents with Experiences of Childhood Maltreatment	**Psychiatric diseases**
Dickie	Erin	Examining subcortical-cortical connectivity in Schizophrenia using Personalized Intrinsic Network Topography	**Psychiatric diseases**

Thursday, September 27, 12 noon - 2 PM

Last name	First name	Title	Theme
Nasseef	Md Taufiq	A Single Nucleotide Polymorphism of the mu opioid receptor gene alters resting state functional connectivity in humans	Mechanisms
Welsch	Lola	Mouse fMRI analysis of morphine effects on whole brain activity: BOLD activation under two different anaesthetics	Mechanisms
Darcq	Emmanuel	On Target effects of Mu opioid receptor activation by Oxycodone on whole brain functional connectivity identified by mouse fMRI	Mechanisms
Gordon	Stephen	Cortical thickness measurements in the hearing and deaf cat using high-resolution Magnetic Resonance Imaging	Mechanisms
DANG	YI	The Effect of Post-labeling Delay on Localization of the Hand Motor Area by Functional Arterial Spin Labeling	Mechanisms
Zeffiro	Thomas	Functional Connectivity of Locus Coeruleus Studied Using 7T Resting State fMRI	Mechanisms
Torrisi	Salvatore	Agglomerative clustering of human hypothalamus functional connectivity	Mechanisms
Jo	Soowon	Effects of low-dose isoflurane anesthesia on resting-state functional connectivity in macaque	Mechanisms
Zeffiro	Thomas	Two Corticocerebellar SystemsinPrimary Motor Cortex Identified Using7T Resting State fMRI	Mechanisms
Acland	Benjamin	Changes in neurovascular coupling occlude oxygen-based measures of ketamine's dose-dependent effects on long-range correlations in non-human primate cortex	Mechanisms
Bortel	Aleksandra	Dexmedetomidine, often used in studies of the resting-state, is prone to causing seizures	Mechanisms
Amend	Mario	Comparison of functional and dynamic metabolic brain connectivity based on simultaneous PET/MRI measurements	**Data acquisition methods**
Dang	Yi	A Primer on Reliability of Functional Connectomics: 3T/7T Demos	**Data acquisition methods**
Torkashvand	Elaheh	Dynamical AutoCorrelation for Functional Time Series with the Application tofMRI Data and Mortality Data	**Data acquisition methods**
Shams	SeyedMohammad	Individual Identification Improvement Using Wavelet-based Functional-Connectivity Measures	**Modeling and analysis**
Dawson	Debra	Local PC regression and statistical thresholding identify direct connections in a fine-scale network	**Modeling and analysis**
Strindberg	Marika	Intrinsic whole brain dynamic BOLD-level community organization - integration, switching and reconfiguration.	**Modeling and analysis**
Gomes	Carlos Alexandre	Investigating the stability of resting state networks: A comparison of different statistical methods	**Modeling and analysis**
Khajehim	Mahdi	On the Origin of the Negative Arterial-venous Correlations in Resting-State fMRI	**Modeling and analysis**
ALI	OBAÏ BIN KA'B	MEG band-limited resting state functional connectivity analyses: a validation study using realistic simulations	**Modeling and analysis**
Razavipour	Fatemeh	Analysis of oxygen metabolism within connector hubs estimated from resting-state fMRI	**Modeling and analysis**
Gao	Peng	DREAM: A Toolbox to Decode Rhythms of the Brain System	**Modeling and analysis**
Morrissey	Zachery	Phase angle spatial embedding (PhASE) for studying the intrinsic topology of the human connectome	**Modeling and analysis**
Fortel	Igor	Pairwise ferromagnetic Ising spin interactions on the structural connectome	**Modeling and analysis**
Pereda	Ernesto	*BDNF* Val66Met polymorphism and gamma band disruption in resting state brain functional connectivity: A Magnetoencephalography study in cognitively intact older females.	**Modeling and analysis**
Izadmehr	Yasaman	Disentangling vascular and neuronal effects on functional connectivity by using restingstate fMRI combined with a CO_2 challenge paradigm	**Modeling and analysis**
Pae	Chongwon	Hierarchical Construction of Large Scale DCM for Resting state fMRI	**Modeling and analysis**
Paquola	Casey	Emergence of macrolevel functional topography from microstructural profile covariance	**Modeling and analysis**
Meskaldji	Djalel-Eddine	Disentangling coupling and anti-coupling in functional connectomic studies	**Modeling and analysis**
Kassinopoulos	Michalis	Physiological noise correction improves the reproducibility of the DMN spatial pattern	**Modeling and analysis**
Liu	Yikang	Spatial-temporal transition patterns of spontaneous brain activity in rats	**Modeling and analysis**

Silvestri	Erica	Multi-modal connectivity mapping of brain tumors using 18-Fluoro-deoxyglucose (FDG) PET and structural-functional MRI	**Modeling and analysis**
Kashyap	Amrit	Modeling resting state fMRI using an Autoencoder	**Modeling and analysis**
Espinoza	Flor	Characterizing whole brain temporal variation of functional connectivity via zero and first order derivatives of sliding window correlations	**Modeling and analysis**
Enguix	Vicente	Resting state networks obtained by optical imaging of intrinsic signals (RS-OIS) in a neonatal rat model	**Modeling and analysis**
Prokopiou	Prokopis	Estimating hemodynamic response functions using resting-state EEG-fMRI data acquired during wakefulness with eyes open	**Modeling and analysis**
Chen	Jingyuan	Evidence of faster hemodynamic response function at weak sensory stimulus levels supports higher frequency intrinsic functional connectivity	**Modeling and analysis**
Son	Jun Ho	Alpha power-dependent effective connectivity of the default mode network in resting state MEG	**Modeling and analysis**
Urchs	Sebastian	dashqc-fmri - an interactive web dashboard for manual quality control	**Modeling and analysis**
Singh	Matthew	Building Mesoscale Individualized Neurodynamic Models (MINDy) at High Spatial Resolution	**Modeling and analysis**
Xu	Ting	Inter-species Matching between Human and Non-human Primate	**Modeling and analysis**
Yuan	Han	Multimodal Imaging of rTMS Effects on Brain Networks: A Simultaneous EEG and fMRI Study	**Modeling and analysis**
Araya	David	Inference of brain state duration using Hidden *Semi Markov* Model	**Modeling and analysis**
Chen	Jingyuan	On the statistical characteristics and benefits of rapidly-sampled fMRI data	**Modeling and analysis**
Moradi	Narges	Empirical mode decomposition based global signal regression for resting-state functional connectivity MRI	**Modeling and analysis**
Mok	Kelvin	Evaluation of parcellation of the cerebral cortex based on gradient mapping of cortical thickness and myelin estimates in non-human primates	**Modeling and analysis**
Peltier	Scott	Support vector machine prediction of clinical pain response using resting-state fMRI	**Machine or deep learning**
Rajkumar	Ravichandran	Multimodal classification of Schizophrenia patients using structural and simultaneously recorded resting state - functional and metabolic data	**Machine or deep learning**
Rajkumar	Ravichandran	Resting state fMRI measures alterations in Tourette syndrome and machine learning based classification	**Machine or deep learning**
DeMarco	Andrew	Machine learning reveals functional lesions in resting state fMRI in chronic stroke	**Machine or deep learning**
Heinsfeld	Anibal Sólon	Enhancing classifier model robustness with variational auto-encoders and semi-supervised learning for autism spectrum disorder identification	**Machine or deep learning**
Lee	Ju-Hyeon	Personal identification of resting-state dynamic functional connectivitypatternsusing deep neural network	**Machine or deep learning**
Liu	Jin	Genetic and Environmental Contributions to the Human Brain Chronnectome	**Healthy / Cognitive**
Pur	Daiana Roxana	Default Mode Network and Dorsal Attention Network anti-correlation predicts BOLD signal variability in left intraparietal sulcus and left middle frontal gyrus in older adults	**Healthy / Cognitive**
Herzberg	Max	Early life stress is associated with lower attention-network efficiency in adolescence	**Healthy / Cognitive**
Sharda	Megha	Understanding exceptional brains – A neuroimaging study of musical prodigies	**Healthy / Cognitive**
Rogala	Jacek	Global resting state beta power predicts behavioral performance and its electrophysiological correlates	**Healthy / Cognitive**
Moyett	Ashley	Ventral tegmental connectivity with prefrontal cortex is inversely related to trait-based measures of impulsivity	**Healthy / Cognitive**
O'Reilly	Mark	Stability of functional networks in Resting-State and Naturalistic Stimulation fMRI	**Healthy / Cognitive**
Larivière	Sara	Multiscale Neonatal Connectomics: Macroscale Functional Organization And Microstructural Properties In Neonates	**Healthy / Cognitive**
Liem	Franziskus	Default mode network connectivity in healthy aging. Results from two large longitudinal aging studies.	**Healthy / Cognitive**
Wilf	meytal	Brief exposure to prism adaptation decreases connectivity between dorsal attention network and default mode network	**Healthy / Cognitive**
Gabitov	Ella	Dynamic reconfiguration of M1 functional connectivity during motor sequence learning	**Healthy / Cognitive**
Tippler	Maria	Functional Resting State Connectivity of Impulsivity, Sensation-Seeking, Body Mass, Age and Sex in Emerging Adults	**Healthy / Cognitive**
Stojanoski	Bobby	Investigating shared experiences during development using inter-subject correlational analysis: through a theory of mind's eye	**Healthy / Cognitive**

Gong	Zhu-Qing	The Oscillating Neonatal Brain during Natural Sleep: A Multi-Band Amplitude Analysis	**Healthy / Cognitive**
Ní Bhroin	Megan	Interhemispheric Functional Connectivity and its association with the corpus callosum using data from the developing Human Connectome (dHCP).	**Healthy / Cognitive**
Sibilia	Francesca	Stress-related changes in graph theory measures using networks extracted from grey matter in adolescents from the IMAGEN consortium	**Healthy / Cognitive**
Lin	Dongdong	The association between oral microbiome and brain functional connectivity in smokers	**Healthy / Cognitive**
Benhajali	Yassine	Heritable subtypes of brain activation in the 7 tasks of Human Connectome Project	**Healthy / Cognitive**
Babadi	Saeed	Neural Substrates of Adaptation during Motor Learning: A Resting-State fMRI Study	**Healthy / Cognitive**
Ross	Thomas	Large-Scale Brain Network Dynamics Predict Smoking Cessation Treatment Outcome	**Healthy / Cognitive**
Rohafza	Maryam	EEG based connectivity analysis for target- and non-target-oriented movements with virtual mirror feedback	**Healthy / Cognitive**
Linke	Annika	Global signal amplitude in eyes-open resting state fMRI is increased in adults and related to executive function	**Healthy / Cognitive**
Ghaziri	Jimmy	Resting-state functional connectivity of insular subregions	**Healthy / Cognitive**
Cabral	Laura	Visual categories in infancy: local selectivity and structural connectivity mature together	**Healthy / Cognitive**
Chou	Ying-hui	HippocampalFunctional Connectivity in Healthy Older Adults	**Healthy / Cognitive**
Fei	Phillip	Resting-state functional connectivity of connectivity-based subregions of the posterior cingulate cortex	**Healthy / Cognitive**
Lowe	Alexander J.	Targeting Brain and Cognitive Aging with Multimodal Imaging and Connectom Topography Profiling	**Healthy / Cognitive**
Fei	Phillip	Resting-state functional connectivity of connectivity-based subregions of the posterior cingulate cortex	**Healthy / Cognitive**
Wang	Yin	Mapping the Structural and Functional Connectome of Face Processing	**Healthy / Cognitive**
Siugzdaite	Roma	Assortativity Can Detect Atypical Functional Lateralization In The Resting Brain	**Healthy / Cognitive**
Gao	Mengxia	Interaction between sensorimotor and dorsal attention network is positively associated with processing speed in older adults	**Healthy / Cognitive**
Hunt	Benjamin	Attenuated Post-movement beta rebound associated with schizotypal traits in healthypeople: A magnetoencephalography study	**Healthy / Cognitive**
Rickels	Audreyana	Exploring the relationship between improvement in an intensive learning intervention and changes in resting-state functional connectivity	**Healthy / Cognitive**
Ozbay	Pinar	fMRI signal correlates of sympathetic vasoconstriction events detected by photoplethysmography (PPG) and autonomic EEG arousals	**Healthy / Cognitive**
Rojas	Gonzalo	Augmented Reality and Functional Connectivity Visualization using ARCore	**Healthy / Cognitive**
Lenglos	Christophe	α-tACS on frontal cortex decreases its intra-connectivity and attentional bias for negative stimuli.	**Healthy / Cognitive**
Fleming	Leland	Alterations in Visual Network Structure Following central Vision Loss	**Neurological diseases**
Owens-Walton	Conor	Increased functional connectivity of the thalamus in patients with Parkinson disease	**Neurological diseases**
Pretzsch	Charlotte	Cannabidiol (CBD) alters low frequency activity and functional connectivity in the brain in Autism Spectrum Disorder (ASD)	**Neurological diseases**
Ferguson	Michael	A human memory circuit derived from brain lesions causing amnesia	**Neurological diseases**
Moreau	Clara	Mirror effects of 4 neurodevelopmental CNVs on general functional connectivity	**Neurological diseases**
Hashi	Ikhlas	Changes in Resting State Connectivity in Childrenwith Infantile Hydrocephalus	**Neurological diseases**
Philippi	Carissa	Resting-State Connectivity of Cortical Networks in U.S. Service Members with Mild Traumatic Brain Injury	**Neurological diseases**
Wu	Changwei	Assisting Role of Interaction between Motor and Default-mode Networks in Stroke Rehabilitation	**Neurological diseases**
Marecek	Radek	Local functional connectivity based on scalp EEG as a marker of epileptogenic zone.	**Neurological diseases**
Carlson	Helen	Neuroplasticity, compensation and the functional connectome after perinatal stroke	**Neurological diseases**
JAILLARD	ASSIA	Crossed cerebellar diaschisis predicts motor recovery in stroke: A longitudinal resting state fMRI study.	**Neurological diseases**

Ngo	Geoffrey	Decreases in thalamocortical connectivity of the prefrontal cortex in mild traumatic brain injury	Neurological diseases
Kudláčková	Michaela	The effect of plant-based vs. processed meat-based meal on brain perfusion in patients with type 2 diabetes mellitus and obesity	Neurological diseases
Lamoš	Martin	EEG microstates in patients treated by STN DBS	Neurological diseases
Gao	Yurui	Alterations of functional correlation in human white matter during progression of Alzheimer's Disease	Neurological diseases
Crockett	Rachel	Head Over Heels but I Forget Why: Disruptive Functional Connectivity in Older Adults with Mild Cognitive Impairment & a History of Falls	Neurological diseases
Hsu	Chun Liang	Functional Neural Correlates of Life-Space Mobility among Older Adults with Mild Cognitive Impairment	Neurological diseases
Hong	Seok-Jun	Atypical functional connectome hierarchy in autism	Neurological diseases
Hong	Seok-Jun	Superficial white matter anomalies and their relationship to functional connectivity in autism	Neurological diseases
Peltier	Scott	Presurgical planning: comparison between task activation and resting-state connectivity maps in the motor and language networks	Neurological diseases
Aydin	Ümit	MEG resting state connectivity analysis in presurgical epilepsy diagnosis	Neurological diseases
Eun Hyun	Seo	Resting-state functional brain network predicts cognitive decline in mild cognitive impairment	Neurological diseases
Thomason	Moriah	Altered brain networks in human fetuses exposed to lead *in utero*	Neurological diseases
Sharda	Megha	Neurobehavioural outcomes of a music intervention for autism - A randomized controlled trial	Neurological diseases
Shafer	Andrea	Age-related changes in DMN connectivity are modified by APOE genotype in the Baltimore Longitudinal Study of Aging	Neurological diseases
Desjardins	Martine	Differences in resting-state brain activity in aging population with prior mild traumatic brain injury in chronic phase	Neurological diseases
Madhyastha	Tara	Functional Correlates of Short Latency Afferent Inhibition in Parkinson Disease	Neurological diseases
Chang	Sarah	Extracted resting state connectivity exhibits longitudinal stability enhanced by treatment	Neurological diseases
Badhwar	AmanPreet	Consistency of rsfMRI connectivity over 2.5 years and 13 sites using the Canadian Dementia Imaging Protocol	Neurological diseases
Husain	Fatima	Automated identification of tinnitus patients using replicable resting state fMRI data	Neurological diseases
Trey	Hedden	Resting state network measures contribute to older adults' risk of progression on the Clinical Dementia Rating Scale in the context of other brain markers	Neurological diseases
Kim	Sharon	Perinatal brain injuries are associated with alterations in network-level structural covariance throughout neurodevelopmental trajectory of preterm neonates	Neurological diseases
Cook	Cole	Aberrant salience network effective connectivity in left temporal lobe epilepsy	Neurological diseases
Durgerian	Sally	Functional network differences between APOE e4 carriers and non -carriers	Neurological diseases
Lariviere	Sara	Community-Informed Connectomics of the Thalamocortical System in Idiopathic Generalized Epilepsy	Neurological diseases
Enguix	Vicente	Reduced functional brain connectivity in congenital heart disease adults between default network medial prefrontal cortex node and hippocampus	Neurological diseases
Hilderley	Alicia	Focal abnormalities in corticospinal tract diffusion properties in children with perinatal stroke	Neurological diseases
Siugzdaite	Roma	Communicability Measure Indicates How Structural Impairments Lead To Functional Hyper-Connectivity In The Brain Of Children With Autism Spectrum Disorder	Neurological diseases
Kornelsen	Jennifer	Functional connectivity altered in several resting state networks in Crohn's disease	Neurological diseases
Kolesar	Tiffany	Functional Connectivity Differences in Chronic Facial Pain: A Seed-Based Resting State Analysis	Neurological diseases
Juliano	Anthony	Resting State Functional Connectivity of Superior Intelligence in Pediatric Autism Spectrum Disorder	Neurological diseases
Peña-Gomez	Cleofe	Between- and within- network patterns of dysfunctional brain network organization associated with early progression toward Alzheimer's disease	Neurological diseases
Hemachandra	Dimuthu	Structural connectivity biomarkers for Parkinson's disease	Neurological diseases
Ithal	Dhruva	Effect of Electroconvulsive Therapy on Rest State Functional Magnetic Resonance Imaging of Patients with Clozapine Refractory/Intolerant Schizophrenia	Psychiatric diseases

Rance	Mariela	Resting State Connectivity Predicts Neurofeedback Response in OCD	**Psychiatric diseases**
Zhou	Yuan	Specific, not distributed, resting-state functional dysconnectivity of the prefrontal cortex in schizophrenia	**Psychiatric diseases**
ZHANG	Ruibin	Aberrant metastable neural dynamic associate with prefrontal white matter integrity deficits in major depressive disorder	**Psychiatric diseases**
Clark	Sarah	Reduced Cerebello-Cortical Resting-State Functional Connectivity and its Relationship With Clinical Features in Schizophrenia	**Psychiatric diseases**
Wohlschlaeger	Afra	Aberrant association between brain metastability and activity in dorsal raphe nucleus and ventral tegmental area in major depression: a resting state fMRI study	**Psychiatric diseases**
Ramkiran	Shukti	Is brain communication altered in schizophrenia at rest? A simultaneous EEG-fMRI connectivity and topology study	**Psychiatric diseases**
Damborska	Alena	Abnormalities in brain electric microstates in depression: microstate analysis on high-density EEG in resting conditions	**Psychiatric diseases**
Garcia Forlim	Caroline	Precuneus dysconnectivity in the DMN of schizophrenia patients correlated with apathy, evidence from resting state fMRI.	**Psychiatric diseases**
Du	Yuhui	Shared and specific functional and structural changes in schizophrenia and autism spectrum disorder	**Psychiatric diseases**
Okuneye	Victoria	Resting State Connectivity of Prediction Error Neurocorrelates are associated with Delusion Severity in Bipolar & Schizophrenia Network on Intermediate Phenotypes Study	**Psychiatric diseases**
Bailey Holt	Gosselin	A Neural Circuit Classification of Depressed and Anxious Patients using the fMRI Resting State Task	**Psychiatric diseases**
Cullen	Kathryn	Increased resting-state entropy correlates with reduction of depression symptoms in response to glutamate-modulating agents in adolescents	**Psychiatric diseases**
Lim	Kelvin	Investigation of rs-fMRI entropy as a biomarker of ketamine response in veterans with treatment resistant depression	**Psychiatric diseases**
Green	Isobel	Resting-state connectivity between the medial prefrontal cortex and auditory cortex is elevated in individuals at clinical high risk for Schizophrenia independent of conversion status	**Psychiatric diseases**
Holt-Gosselin	Bailey	A Neural Circuit Classification of Depressed and Anxious Patients using HCP Protocols	**Psychiatric diseases**
Avery	Suzanne	Hippocampal Network Dysfunction and Relational Memory Deficits in Schizophrenia	**Psychiatric diseases**
Mangalore	Sandhya	Solving the "cognitive cerebellar riddle '" in schizhophrenia and depression using task & resting fMRI graph theory study	**Psychiatric diseases**
Chai	Xiaoqian	Intrinsic Functional Brain Connectivity Predicts Onset of Major Depression Disorder in Adolescence	**Psychiatric diseases**
Hegarty	Catherine	Disruptions in White Matter Maturation and Mediation of Cognitive Development in Youth on the Psychosis Spectrum	**Psychiatric diseases**
Czarapata	Jasmin	Effects of antipsychotic medication on brain functional connectivity in schizophrenia	**Psychiatric diseases**
Manza	Peter	Reduced segregation between cognitive and emotional processes in cannabis dependence	**Psychiatric diseases**