

Biomarkers, designs, and interpretations of resting-state
pharmacological research: A review of state-of-the-art
studying brain chemistry

Human Brain Mapping

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Targeting Cerebral Small Vessel Disease With MRI. <i>Stroke</i> , 2017, 48, 3175-3182.	2.0	52
2	Dynamics of large-scale fMRI networks: Deconstruct brain activity to build better models of brain function. <i>Current Opinion in Biomedical Engineering</i> , 2017, 3, 28-36.	3.4	58
3	Does self-perception of sensitivity to pain correlate with actual sensitivity to experimental pain?. <i>Journal of Pain Research</i> , 2017, Volume 10, 2657-2663.	2.0	16
4	Pain Neuroimaging in Humans: A Primer for Beginners and Non-Imagers. <i>Journal of Pain</i> , 2018, 19, 961.e1-961.e21.	1.4	29
5	The role of fMRI in drug development. <i>Drug Discovery Today</i> , 2018, 23, 333-348.	6.4	49
6	New approaches in psychiatric drug development. <i>European Neuropsychopharmacology</i> , 2018, 28, 983-993.	0.7	15
7	The Relationship Between Dopamine Neurotransmitter Dynamics and the Blood-Oxygen-Level-Dependent (BOLD) Signal: A Review of Pharmacological Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2018, 12, 238.	2.8	26
8	The affinity of antipsychotic drugs to dopamine and serotonin 5-HT ₂ receptors determines their effects on prefrontal-striatal functional connectivity. <i>European Neuropsychopharmacology</i> , 2018, 28, 1035-1046.	0.7	13
9	Functional Measurements of Central Nervous System Drug Effects in Early Human Drug Development. <i>Handbook of Behavioral Neuroscience</i> , 2019, 29, 39-61.	0.7	2
10	Modeling the acute pharmacological response to selective serotonin reuptake inhibitors in human brain using simultaneous PET/MR imaging. <i>European Neuropsychopharmacology</i> , 2019, 29, 711-719.	0.7	11
11	Reduced Dynamic Interactions Within Intrinsic Functional Brain Networks in Early Blind Patients. <i>Frontiers in Neuroscience</i> , 2019, 13, 268.	2.8	1
12	Functional Magnetic Resonance Imaging of Acute Nicotine Effects. , 2019, , 127-133.		0
13	ReStNeuMap: a tool for automatic extraction of resting-state functional MRI networks in neurosurgical practice. <i>Journal of Neurosurgery</i> , 2019, 131, 764-771.	1.6	24
14	Evaluation of nuisance removal for functional MRI of rodent brain. <i>NeuroImage</i> , 2019, 188, 694-709.	4.2	30
15	Increased cerebral blood flow after single dose of antipsychotics in healthy volunteers depends on dopamine D ₂ receptor density profiles. <i>NeuroImage</i> , 2019, 188, 774-784.	4.2	30
16	Spatiotemporal brain activation pattern following acute citalopram challenge is dose dependent and associated with neuroticism: A human phMRI study. <i>Neuropharmacology</i> , 2020, 170, 107807.	4.1	5
17	Clinical Strategies and Technical Challenges in Psychoradiology. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 1-13.	1.0	23
18	Unravelling the effects of methylphenidate on the dopaminergic and noradrenergic functional circuits. <i>Neuropsychopharmacology</i> , 2020, 45, 1482-1489.	5.4	17

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19	Distinct patterns of thought mediate the link between brain functional connectomes and well-being. <i>Network Neuroscience</i> , 2020, 4, 637-657.	2.6	14
20	Oxytocin Modulates the Intrinsic Dynamics Between Attention-Related Large-Scale Networks. <i>Cerebral Cortex</i> , 2021, 31, 1848-1860.	2.9	28
21	Brain functional network modeling and analysis based on fMRI: a systematic review. <i>Cognitive Neurodynamics</i> , 2021, 15, 389-403.	4.0	23
23	Anterior hippocampal dysfunction in early psychosis: a 2-year follow-up study. <i>Psychological Medicine</i> , 2023, 53, 160-169.	4.5	3
24	Implications from translational cross-validation of clinical assessment tools for diagnosis and treatment in psychiatry. <i>World Journal of Psychiatry</i> , 2021, 11, 169-180.	2.7	13
25	The Brain: Is it a Next Frontier to Better Understand the Regulation and Control of Hematopoiesis for Future Modulation and Treatment?. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1083-1090.	3.8	3
26	Dopaminergic modulation of regional cerebral blood flow: An arterial spin labelling study of genetic and pharmacological manipulation of COMT activity. <i>NeuroImage</i> , 2021, 234, 117999.	4.2	5
27	Pharmaco-Magnetic Resonance as a Tool for Monitoring the Medication-Related Effects in the Brain May Provide Potential Biomarkers for Psychotic Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9309.	4.1	4
28	Functional connectivity and cognitive changes after donepezil treatment in healthy participants. <i>Psychopharmacology</i> , 2021, 238, 3071-3082.	3.1	5
30	Functional MRI Findings in Schizophrenia. , 2020, , 113-124.		1
32	Spontaneous low-frequency fluctuations in the neural system for emotional perception in major psychiatric disorders: amplitude similarities and differences across frequency bands. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 132-141.	2.4	30
33	Chronic oxytocin administration in older men modulates functional connectivity during animacy perception. <i>Aging Brain</i> , 2021, 1, 100023.	1.3	5
38	“Less is more”: A dose-response account of intranasal oxytocin pharmacodynamics in the human brain. <i>Progress in Neurobiology</i> , 2022, 211, 102239.	5.7	18
39	Transcriptomic and cellular decoding of functional brain connectivity changes reveal regional brain vulnerability to pro- and anti-inflammatory therapies. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 312-323.	4.1	7
40	Tonic pain alters functional connectivity of the descending pain modulatory network involving amygdala, periaqueductal gray, parabrachial nucleus and anterior cingulate cortex. <i>NeuroImage</i> , 2022, 256, 119278.	4.2	11
41	Neurotransmitter receptor densities are associated with changes in regional Cerebral blood flow during clinical ongoing pain. <i>Human Brain Mapping</i> , 0, , .	3.6	6
44	Dysconnection and cognition in schizophrenia: A spectral dynamic causal modeling study. <i>Human Brain Mapping</i> , 2023, 44, 2873-2896.	3.6	4
45	The Role of fMRI in Drug Development: An Update. <i>Advances in Neurobiology</i> , 2023, , 299-333.	1.8	0

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47	Functional ultrasound detects frequency-specific acute and delayed S-ketamine effects in the healthy mouse brain. <i>Frontiers in Neuroscience</i> , 0, 17, .	2.8	2
48	Stimulant-like subjective effects of alcohol are not related to resting-state connectivity in healthy men. <i>Cerebral Cortex</i> , 0, , .	2.9	0
49	Magnetic resonance imaging and ultrasound elastography in the context of preclinical pharmacological research: significance for the 3R principles. <i>Frontiers in Pharmacology</i> , 0, 14, .	3.5	0
50	The robustness of persistent homology of brain networks to data acquisition-related non-neural variability in resting state <scp>fMRI</scp>. <i>Human Brain Mapping</i> , 2023, 44, 4637-4651.	3.6	2
51	Measuring acute effects of subanesthetic ketamine on cerebrovascular hemodynamics in humans using TD-fNIRS. <i>Scientific Reports</i> , 2023, 13, .	3.3	4
52	Psilocybin-induced changes in cerebral blood flow are associated with acute and baseline inter-individual differences. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
55	Exploring mechanisms of psychedelic action using neuroimaging. , 2024, 2, 141-153.		0
56	The central renin-angiotensin system: A genetic pathway, functional decoding, and selective target engagement characterization in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.1	0
57	Study protocol for identifying resting brain functional connectivity markers of response to continuous Theta Burst Stimulation and cathodal transcranial Direct Current Stimulation in patients with schizophrenia with persistent auditory hallucinations. <i>Wellcome Open Research</i> , 0, 9, 137.	1.8	0