

# Colm M O tuathaigh

## List of Publications by Citations

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100  
papers

2,871  
citations

27  
h-index

51  
g-index

104  
ext. papers

3,299  
ext. citations

4.4  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
100	Silencing microRNA-134 produces neuroprotective and prolonged seizure-suppressive effects. <i>Nature Medicine</i> , <b>2012</b> , 18, 1087-94	50.5	345
99	Gene Environment Interactions in Schizophrenia: Evidence from Genetic Mouse Models. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 2173748	3.3	249
98	Trace but not delay fear conditioning requires attention and the anterior cingulate cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 13087-92	11.5	229
97	Phenotypic characterization of spatial cognition and social behavior in mice with knockout of the schizophrenia risk gene neuregulin 1. <i>Neuroscience</i> , <b>2007</b> , 147, 18-27	3.9	193
96	Susceptibility genes for schizophrenia: characterisation of mutant mouse models at the level of phenotypic behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2007</b> , 31, 60-78	9	131
95	Phenotypic studies on dopamine receptor subtype and associated signal transduction mutants: insights and challenges from 10 years at the psychopharmacology-molecular biology interface. <i>Psychopharmacology</i> , <b>2005</b> , 181, 611-38	4.7	84
94	Chronic adolescent exposure to $\Delta^9$ -tetrahydrocannabinol in COMT mutant mice: impact on psychosis-related and other phenotypes. <i>Neuropsychopharmacology</i> , <b>2010</b> , 35, 2262-73	8.7	81
93	Disruption to social dyadic interactions but not emotional/anxiety-related behaviour in mice with heterozygous knockout of the schizophrenia risk gene neuregulin-1. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2008</b> , 32, 462-6	5.5	81
92	Phenotypic characterization of cognition and social behavior in mice with heterozygous versus homozygous deletion of catechol-O-methyltransferase. <i>Neuroscience</i> , <b>2008</b> , 155, 1021-9	3.9	80
91	Sexually dimorphic changes in the exploratory and habituation profiles of heterozygous neuregulin-1 knockout mice. <i>NeuroReport</i> , <b>2006</b> , 17, 79-83	1.7	71
90	Phenotypic effects of repeated psychosocial stress during adolescence in mice mutant for the schizophrenia risk gene neuregulin-1: a putative model of gene environment interaction. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 660-71	16.6	68
89	Schizophrenia-related endophenotypes in heterozygous neuregulin-1 knockout mice. <i>European Journal of Neuroscience</i> , <b>2010</b> , 31, 349-58	3.5	66
88	Mutant mouse models: genotype-phenotype relationships to negative symptoms in schizophrenia. <i>Schizophrenia Bulletin</i> , <b>2010</b> , 36, 271-88	1.3	57
87	Chronic adolescent exposure to delta-9-tetrahydrocannabinol in COMT mutant mice: impact on indices of dopaminergic, endocannabinoid and GABAergic pathways. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 1773-83	8.7	50
86	Genetic vs. pharmacological inactivation of COMT influences cannabinoid-induced expression of schizophrenia-related phenotypes. <i>International Journal of Neuropsychopharmacology</i> , <b>2012</b> , 15, 1331-42 <sup>5.8</sup>	5.8	49
85	Phenotypic effects of maternal immune activation and early postnatal milieu in mice mutant for the schizophrenia risk gene neuregulin-1. <i>Neuroscience</i> , <b>2014</b> , 277, 294-305	3.9	48
84	Mice mutant for genes associated with schizophrenia: common phenotype or distinct endophenotypes?. <i>Behavioural Brain Research</i> , <b>2009</b> , 204, 258-73	3.4	47

83	Mutant models for genes associated with schizophrenia. <i>Biochemical Society Transactions</i> , <b>2009</b> , 37, 308-322	3.2	47
82	Evidence-based practice education for healthcare professions: an expert view. <i>BMJ Evidence-Based Medicine</i> , <b>2019</b> , 24, 103-108	2.7	45
81	Exploratory and habituation phenotype of heterozygous and homozygous COMT knockout mice. <i>Behavioural Brain Research</i> , <b>2007</b> , 183, 236-9	3.4	43
80	Functional genomics and schizophrenia: endophenotypes and mutant models. <i>Psychiatric Clinics of North America</i> , <b>2007</b> , 30, 365-99	3.1	38
79	Mutation of Semaphorin-6A disrupts limbic and cortical connectivity and models neurodevelopmental psychopathology. <i>PLoS ONE</i> , <b>2011</b> , 6, e26488	3.7	32
78	Advancing a functional genomics for schizophrenia: psychopathological and cognitive phenotypes in mutants with gene disruption. <i>Brain Research Bulletin</i> , <b>2010</b> , 83, 162-76	3.9	29
77	Closing the translational gap between mutant mouse models and the clinical reality of psychotic illness. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2015</b> , 58, 19-35	9	28
76	Physiological and behavioural responsivity to stress and anxiogenic stimuli in COMT-deficient mice. <i>Behavioural Brain Research</i> , <b>2012</b> , 228, 351-8	3.4	28
75	Learning strategies, study habits and social networking activity of undergraduate medical students. <i>International Journal of Medical Education</i> , <b>2016</b> , 7, 230-6	1.6	28
74	Medical student perceptions of radiology use in anatomy teaching. <i>Anatomical Sciences Education</i> , <b>2015</b> , 8, 510-7	6.8	27
73	Association between learning style preferences and anatomy assessment outcomes in graduate-entry and undergraduate medical students. <i>Anatomical Sciences Education</i> , <b>2016</b> , 9, 391-9	6.8	26
72	Relevance of anatomy to medical education and clinical practice: perspectives of medical students, clinicians, and educators. <i>Perspectives on Medical Education</i> , <b>2016</b> , 5, 338-346	4.3	24
71	Age-Related Hearing Loss and Communication Breakdown in the Clinical Setting. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2017</b> , 143, 1054-1055	3.9	21
70	Disruption of thermal nociceptive behaviour in mice mutant for the schizophrenia-associated genes NRG1, COMT and DISC1. <i>Brain Research</i> , <b>2010</b> , 1348, 114-9	3.7	21
69	Mutant mouse models: phenotypic relationships to domains of psychopathology and pathobiology in schizophrenia. <i>Schizophrenia Bulletin</i> , <b>2010</b> , 36, 243-5	1.3	19
68	Enhanced latent inhibition in dopamine receptor-deficient mice is sex-specific for the D1 but not D2 receptor subtype: implications for antipsychotic drug action. <i>International Journal of Neuropsychopharmacology</i> , <b>2009</b> , 12, 403-14	5.8	18
67	Dopaminergic function in relation to genes associated with risk for schizophrenia: translational mutant mouse models. <i>Progress in Brain Research</i> , <b>2014</b> , 211, 79-112	2.9	17
66	Medical student knowledge regarding radiology before and after a radiological anatomy module: implications for vertical integration and self-directed learning. <i>Insights Into Imaging</i> , <b>2014</b> , 5, 629-34	5.6	16

65	Disruption of exploratory and habituation behavior in mice with mutation of DISC1: an ethologically based analysis. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 1445-53	4.4	16
64	Burnout syndrome among non-consultant hospital doctors in Ireland: relationship with self-reported patient care. <i>International Journal for Quality in Health Care</i> , <b>2017</b> , 29, 679-684	1.9	15
63	Potential and limitations of genetic manipulation in animals. <i>Drug Discovery Today: Technologies</i> , <b>2006</b> , 3, 173-80	7.1	15
62	Dysregulation of Specialized Delay/Interference-Dependent Working Memory Following Loss of Dysbindin-1A in Schizophrenia-Related Phenotypes. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 1349-1360	8.7	14
61	Survey of Irish general practitioners' Preferences for continuing professional development. <i>Education for Primary Care</i> , <b>2018</b> , 29, 13-21	0.9	14
60	D-amphetamine and antipsychotic drug effects on latent inhibition in mice lacking dopamine D2 receptors. <i>Neuropsychopharmacology</i> , <b>2013</b> , 38, 1512-20	8.7	14
59	Convergence and translation: attitudes to inter-professional learning and teaching of creative problem-solving among medical and engineering students and staff. <i>BMC Medical Education</i> , <b>2014</b> , 14, 14	3.3	14
58	Monitoring neurointerventional radiation doses using dose-tracking software: implications for the establishment of local diagnostic reference levels. <i>European Radiology</i> , <b>2018</b> , 28, 3669-3675	8	13
57	Genetically modified mice related to schizophrenia and other psychoses: seeking phenotypic insights into the pathobiology and treatment of negative symptoms. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, 800-21	1.2	12
56	Translating advances in the molecular basis of schizophrenia into novel cognitive treatment strategies. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 3173-3190	8.6	12
55	Resolving pathobiological mechanisms relating to Huntington disease: gait, balance, and involuntary movements in mice with targeted ablation of striatal D1 dopamine receptor cells. <i>Neurobiology of Disease</i> , <b>2014</b> , 62, 323-37	7.5	12
54	Molecular genetic models related to schizophrenia and psychotic illness: heuristics and challenges. <i>Current Topics in Behavioral Neurosciences</i> , <b>2011</b> , 7, 87-119	3.4	12
53	Medical students' Empathy and attitudes towards professionalism: Relationship with personality, specialty preference and medical programme. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215675	3.7	11
52	Continuing professional development and Irish hospital doctors: a survey of current use and future needs. <i>Clinical Medicine</i> , <b>2017</b> , 17, 307-315	1.9	11
51	Increased training of general practitioners in Ireland may increase the frequency of exercise counselling in patients with chronic illness: a cross-sectional study. <i>European Journal of General Practice</i> , <b>2014</b> , 20, 314-9	2.8	11
50	Selection of student-selected component [SSCs] modules across the medical undergraduate curriculum: relationship with motivational factors. <i>Medical Teacher</i> , <b>2012</b> , 34, 813-20	3	11
49	Epistatic and Independent Effects on Schizophrenia-Related Phenotypes Following Co-disruption of the Risk Factors Neuregulin-1 and DISC1. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, 214-225	1.3	10
48	Attitudes towards professionalism in graduate and non-graduate entrants to medical school. <i>Education for Health: Change in Learning and Practice</i> , <b>2014</b> , 27, 200-4	0.4	10

47	Internet skills of medical faculty and students: is there a difference?. <i>BMC Medical Education</i> , <b>2019</b> , 19, 39	3.3	9
46	Disrupted in schizophrenia 1 (DISC1) L100P mutants have impaired activity-dependent plasticity in vivo and in vitro. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e712	8.6	9
45	Modeling schizophrenia: uncovering novel therapeutic targets. <i>Expert Review of Clinical Pharmacology</i> , <b>2012</b> , 5, 667-76	3.8	9
44	Enhanced research assessment performance in graduate vs. undergraduate-entry medical students: implications for recruitment into academic medicine. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>2014</b> , 107, 735-41	2.7	8
43	Medical school selection criteria as predictors of medical student empathy: a cross-sectional study of medical students, Ireland. <i>BMJ Open</i> , <b>2017</b> , 7, e016076	3	8
42	Investigation of the relationship between patient empowerment and glycaemic control in patients with type 2 diabetes: a cross-sectional analysis. <i>BMJ Open</i> , <b>2015</b> , 5, e008422	3	8
41	Studying medicine - a cross-sectional questionnaire-based analysis of the motivational factors which influence graduate and undergraduate entrants in Ireland. <i>JRSM Open</i> , <b>2014</b> , 5, 2042533313510157 <sup>0.5</sup>	0.5	7
40	Mutant mouse models in evaluating novel approaches to antipsychotic treatment. <i>Handbook of Experimental Pharmacology</i> , <b>2012</b> , 113-45	3.2	7
39	Genetic models of schizophrenia and related psychotic disorders: progress and pitfalls across the methodological "minefield". <i>Cell and Tissue Research</i> , <b>2013</b> , 354, 247-57	4.2	7
38	Phenotype of spontaneous orofacial dyskinesia in neuregulin-1 knockout mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2009</b> , 33, 330-3	5.5	7
37	Hearing Impairment and the Amelioration of Avoidable Medical Error: A Cross-Sectional Survey. <i>Journal of Patient Safety</i> , <b>2021</b> , 17, e155-e160	1.9	7
36	Strategies for Enhancing Resilience in Medical Students: a Group Concept Mapping Analysis. <i>Academic Psychiatry</i> , <b>2020</b> , 44, 427-431	1.1	6
35	Regulation of orofacial movement: amino acid mechanisms and mutant models. <i>International Review of Neurobiology</i> , <b>2011</b> , 97, 61-75	4.4	6
34	Age-related hearing loss and provider-patient communication across primary and secondary care settings: a cross-sectional study. <i>Age and Ageing</i> , <b>2020</b> , 49, 873-877	3	6
33	Semaphorin 6A knockout mice display abnormalities across ethologically-based topographies of exploration and in motor learning. <i>Neuroscience Letters</i> , <b>2017</b> , 641, 70-76	3.3	5
32	Developmental Genes and Regulatory Proteins, Domains of Cognitive Impairment in Schizophrenia Spectrum Psychosis and Implications for Antipsychotic Drug Discovery: The Example of Dysbindin-1 Isoforms and Beyond. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1638	5.6	5
31	Genetic dissection of the psychotomimetic effects of cannabinoid exposure. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2014</b> , 52, 33-40	5.5	5
30	Translational Genetic Modelling of 3D Craniofacial Dysmorphology: Elaborating the Facial Phenotype of Neurodevelopmental Disorders Through the "Prism" of Schizophrenia. <i>Current Behavioral Neuroscience Reports</i> , <b>2017</b> , 4, 322-330	1.7	5

29	Catechol-O-methyl transferase as a drug target for schizophrenia. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 282-91	2.6	5
28	Dopamine Receptors and Behavior: From Psychopharmacology to Mutant Models <b>2010</b> , 323-371		5
27	Assessing the impact of COVID-19 on healthcare staff at a combined elderly care and specialist palliative care facility: A cross-sectional study. <i>Palliative Medicine</i> , <b>2021</b> , 35, 1492-1501	5.5	5
26	Altered cytokine profile, pain sensitivity, and stress responsivity in mice with co-disruption of the developmental genes Neuregulin-1/DISC1. <i>Behavioural Brain Research</i> , <b>2017</b> , 320, 113-118	3.4	4
25	Does cannabis use predict psychometric schizotypy via aberrant salience?. <i>Schizophrenia Research</i> , <b>2020</b> , 220, 194-200	3.6	4
24	Modelling the neuromotor abnormalities of psychotic illness: Putative mechanisms and systems dysfunction. <i>Schizophrenia Research</i> , <b>2018</b> , 200, 12-19	3.6	4
23	Providing Research Opportunities for Medical Students: Challenges and Opportunities. <i>Medical Science Educator</i> , <b>2013</b> , 23, 99-107	0.7	4
22	Susceptibility genes for schizophrenia: mutant models, endophenotypes and psychobiology. <i>Current Topics in Behavioral Neurosciences</i> , <b>2012</b> , 12, 209-50	3.4	4
21	Acute stress in adolescence vs early adulthood following selective deletion of dysbindin-1A: Effects on anxiety, cognition and other schizophrenia-related phenotypes. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 1610-1619	4.6	3
20	Doctors' Attitudes towards the introduction and clinical operation of do not resuscitate orders (DNRs) in Ireland. <i>Irish Journal of Medical Science</i> , <b>2018</b> , 187, 25-30	1.9	3
19	Use of a group concept mapping approach to define learning outcomes for an interdisciplinary module in medicine. <i>Perspectives on Medical Education</i> , <b>2014</b> , 3, 245-53	4.3	3
18	Potentiation of latent inhibition by haloperidol and clozapine is attenuated in Dopamine D2 receptor (Drd-2)-deficient mice: do antipsychotics influence learning to ignore irrelevant stimuli via both Drd-2 and non-Drd-2 mechanisms?. <i>Journal of Psychopharmacology</i> , <b>2014</b> , 28, 973-7	4.6	3
17	Overview: Schizophrenia and the Lifetime Trajectory of Psychotic Illness: Developmental Neuroscience and Pathobiology, Redux <b>2011</b> ,		3
16	Attitudes towards abortion in graduate and non-graduate entrants to medical school in Ireland. <i>Journal of Family Planning and Reproductive Health Care</i> , <b>2016</b> , 42, 201-7		3
15	Specialized Information Processing Deficits and Distinct Metabolomic Profiles Following TM-Domain Disruption of Nrg1. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, 1100-1113	1.3	2
14	Building capacity: getting evidence-based practice into healthcare professional curricula. <i>BMJ Evidence-Based Medicine</i> , <b>2021</b> , 26, 246	2.7	2
13	Medical students' Perceptions of professional misconduct: relationship with typology and year of programme. <i>Journal of Medical Ethics</i> , <b>2018</b> , 44, 133-137	2.5	2
12	Behind your very eyes: a response to Kok and Jarodzka. <i>Medical Education</i> , <b>2017</b> , 51, 1189	3.7	1

11	Recall Tests may be Effective to Detect Mild Cognitive Impairment: A Response to Tsoi and Colleagues. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 1093-1094	5.9	1
10	Cannabis Use, Schizotypy and Kamin Blocking Performance. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 633476	5	1
9	Impact of hearing loss on clinical interactions between older adults and health professionals: a systematic review. <i>European Geriatric Medicine</i> , <b>2020</b> , 11, 919-928	3	1
8	Transition to clinical practice during the COVID-19 pandemic: a qualitative study of young doctors' experiences in Brazil and Ireland. <i>BMJ Open</i> , <b>2021</b> , 11, e053423	3	1
7	Association between dispositional empathy and self-other distinction in Irish and Belgian medical students: a cross-sectional analysis. <i>BMJ Open</i> , <b>2021</b> , 11, e048597	3	1
6	Medical student empathy and breaking bad news communication in a simulated consultation. <i>Patient Education and Counseling</i> , <b>2021</b> ,	3.1	1
5	Ethologically based behavioural and neurochemical characterisation of mice with isoform-specific loss of dysbindin-1A in the context of schizophrenia. <i>Neuroscience Letters</i> , <b>2020</b> , 736, 135218	3.3	
4	Latent inhibition, aberrant salience, and schizotypy traits in cannabis users.. <i>Schizophrenia Research: Cognition</i> , <b>2022</b> , 28, 100235	2.8	
3	Mutant and Transgenic Tools in Modeling Schizophrenia. <i>Neuromethods</i> , <b>2010</b> , 217-239	0.4	
2	Cannabinoids, Monoamines, COMT and Schizophrenia: Pathobiological Mechanisms in Psychosis <b>2013</b> , 297-323		
1	Modeling Gene-Gene Interactions in Schizophrenia. <i>Handbook of Behavioral Neuroscience</i> , <b>2016</b> , 23, 327-343		