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JULIA GALLUCCI

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EDUCATION

Doctor of Philosophy, Institute of Medical Science, University of Toronto	2022 - present
Supervisors: Dr. Aristotle Voineskos and Dr. Colin Hawco	
Master of Science, Institute of Medical Science, University of Toronto	2020 - 2022
Supervisor: Dr. Colin Hawco	
Honours Bachelor of Science, Neuroscience and Psychology, University of Toronto	2016 - 2020

TEACHING

Course Instructor   *University of Toronto*

2025 Fall	Linear regression, classification, and resampling, Data Learning Certificate, Data Science Institute
2025 Summer	Linear regression, classification, and resampling, Data Learning Certificate, Data Science Institute
2025 Winter	Cognitive Dysfunction in Neurological Disorders (PSY496), undergraduate, Psychology
2025 Winter	Linear regression, classification, and resampling, Data Learning Certificate, Data Science Institute
2023 Fall	Introduction to R, Data Learning Certificate, Data Science Institute
2023 Summer	Introduction to R, Data Learning Certificate, Data Science Institute– TA & CI role

Teaching Assistantships   *University of Toronto*

2025 Fall	Introduction to Python, Data Learning Certificate, Data Science Institute
2025 Fall	Introduction to Biostatistics (LMP2004), graduate, Laboratory Medicine
2025 Fall	Neurobiology of Behaviour (HMB300) ,undergraduate, Human Biology –head TA
2025 Summer	Introduction to Neuroscience (HMB200),undergraduate, Human Biology – head TA
2025 Summer	Neurobiology of Behaviour (HMB300), undergraduate, Human Biology
2025 Summer	Introduction to Python, Data Learning Certificate, Data Science Institute
2025 Winter	Introduction to Python, Data Learning Certificate, Data Science Institute
2025 Winter	Laboratory in Human Biology (HMB314),undergraduate, Human Biology – head TA
2025 Winter	Introduction to Neuroscience (HMB200),undergraduate, Human Biology– head TA
2024 Fall	Introduction to Biostatistics (LMP2004), graduate, Laboratory Medicine
2024 Fall	Neurobiology of Behaviour (HMB300) ,undergraduate, Human Biology –head TA
2024 Summer	Introduction to Neuroscience (HMB200), undergraduate, Human Biology – head TA
2024 Summer	BrainHack Toronto Summer School

2024 Summer	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2024 Summer	Introduction to Building Software: Unix Shell, Git/GitHub & Python, Data Learning Certificate, Data Science Institute
2024 Winter	Foundational Skills I: Unix Shell, Git/GitHub, Python, & Building Research Software, Data Learning Certificate, Data Science Institute
2024 Winter	Laboratory in Human Biology (HMB314),undergraduate, Human Biology – <u>head TA</u>
2024 Winter	Introduction to Neuroscience (HMB200),undergraduate, Human Biology
2023 Fall	Neurobiology of Behaviour (HMB300),undergraduate, Human Biology
2023 Fall	Introduction to Biostatistics (LMP2004), graduate, Laboratory Medicine
2023 Summer	Introduction to Neuroscience(HMB200), undergraduate, Human Biology <u>– head TA</u>
2023 Summer	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2023 Summer	Introduction to R, Data Learning Certificate, Data Science Institute <u>– TA & CI role</u>
2023 Winter	Estimation, Testing, and Learning, Data Learning Certificate, Data Science Institute
2023 Winter	Introduction to Neuroscience (HMB200), undergraduate, Human Biology
2023 Winter	Laboratory in Human Biology (HMB314), undergraduate, Human Biology
2022 Fall	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2022 Summer	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2022 Summer	Introduction to Neuroscience (HMB200), undergraduate, Human Biology
2022 Winter	Introduction to Neuroscience (HMB200), undergraduate, Human Biology
2021 Fall	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2021 Summer	Neurobiology of Behavior (HMB300), undergraduate, Human Biology
2021 Winter	Advanced Research Methods Laboratory (PSYC70), undergraduate, Psychology
2020 Fall	Neurobiology of Behavior (HMB300), undergraduate, Human Biology

Evaluator   *University of Toronto*

2024/01, 2024/03	Research Project in Human Biology (HMB496) ,undergraduate, Human Biology
2023/01, 2023/03	Research Project in Human Biology (HMB496) ,undergraduate, Human Biology
2022/03	Research Project in Human Biology (HMB496) ,undergraduate, Human Biology

TEACHING INNOVATION & CURRICULUM DEVELOPMENT

Course Development   *University of Toronto*

2025/05 – 2025/08	Content developer, Topics in Statistical Learning - Regularization, Splines and Trees, Data Learning Certificate, Data Science Institute [GitHub Repository]
2024/07 – 2024/12	Content developer, Topics in Statistical Learning - Linear regression, classification, and resampling, Data Learning Certificate, Data Science Institute [GitHub Repository]
2024/02	Content developer, Topics in Deep Learning - Healthcare, medicine, and the life sciences, Data Learning Certificate, Data Science Institute [GitHub Repository]

Curriculum Enhancement   *University of Toronto*

2025 – 2027	Co-Investigator, *UNICE: Undergraduate Neuroscience Initiative for Curriculum Enhancement.* Funded by the Learning & Education Advancement Fund (LEAF),

Office of the Vice-Provost, Innovations in Undergraduate Education, University of Toronto. [$29,500]

RECOGNITIONS

2025	Queen Elizabeth II/Greg M. Brown Graduate Scholarships in Science and Technology [$15,000]
2025	Department of Psychiatry Research Day Best Presentation by Graduate Student Award [$500]
2024	Brain Canada Foundation Rising Star Award in Mental Health Research [$12,000]
2024	Ontario Graduate Scholarship (OGS) [$15,000]
2024	CAMH Koerner Graduate Award [$20,000]
2024	Imaging Network Ontario Poster-and-Pitch Award [$50]
2024	Schizophrenia International Research Society Early Career Award [USD $1,500]
2023	Institute of Medical Science Open Fellowship Award [$5,000]
2023	Department of Psychiatry Research Day Best Presentation by Graduate Student Award [$500]
2023	Ontario Graduate Scholarship (OGS) [$15,000]
2022	University of Toronto Graduate Studies Conference Grant [$1,130]
2022	Institute of Medical Science Open Fellowship Award [$5,000]
2022	Institute of Medical Science PhD Stimulus Grant [$10,000]
2020	Fellowship Award- Institute of Medical Science Entrance Award [$5,000]
2020	University of Toronto Dean's Honour Roll
2019	University of Toronto Rhea V. Scott Scholarship [$530]
2019	University of Toronto Dean's Honour Roll
2018	University of Toronto Innis College Exceptional Achievement Award [$520]
2018	University of Toronto Dean's Honour Roll
2017	University of Toronto Winifred Florence Hughes Scholarship [$590]
2017	University of Toronto Dean's Honour Roll
2016	University of Toronto President's Entrance Scholarship [$2,000]

CREDENTIALS

2020	CITI Canada Privacy Course, Collaborative Institutional Training Initiative
2020	Good Clinical Practice- Non-Regulated Studies, Collaborative Institutional Training Initiative
2020	Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS2), Panel of Research Ethics
2018	Laboratory Biosafety (EHS601) [refresher 2025(EHS602)]
2018	WHIMIS & Lab Safety (EHS101) [refresher 2025 (EHS112)]

PUBLICATIONS

Peer-Reviewed Papers

11 Bagheri S., Yu J.C., Gallucci J., Tan V., Oliver L.D., Dickie E.W., Rashidi A.G. , Foussias G., Lai M., Buchanan R.W, Malhotra A.K., Voineskos A.N., Ameis S.H., Hawco C., 2025. Social Cognition and Individual Variability as Measured by Fractional Amplitude of Low-Frequency Fluctuation in a Transdiagnostic Group of Schizophrenia and Autism Spectrum Disorders. Biological Psychiatry CNNI. S2451-9022(25)00132-6. PMID: 40268245

10 Ramsaran A.I., Ventura S., Gallucci J., de Snoo M.L., Josselyn S.A., Frankland P.W., 2025. A sensitive period for the development of episodic-like memory in mice. Current Biology. S0960-9822(25)00317-3. PMID: 40215964

9 Jones B.D.M., Gallucci J., Zhukovsky P., Jones O.Y., Wong S., Lakhani K., Farooqui R., Stripe L., Love P., Voineskos A.N., Ortiz A., Hawco C., Mulsant B.H., Husain M.I., Identifying Brain-Cognition

Associations in Bipolar Disorder: A Systematic Review and Meta-Analysis. Neuropsychopharmacology. PMID: 40274973

8   Gallucci J., Ng J., Secara M.T., Jones B.D.M., Hawco C., Husain M.O., Husain N., Chaudhtry I.B., Voineskos A.N., Husain M.I., 2025. A longitudinal study of changes in depressive symptoms and risk factors in congestive heart failure. BJPsych Open. 11(3):e93. PMID: 40341068

7.   Gallucci J., Yu J.C., Oliver L.D., Nakua H., Zhukovsky P., Dickie E.W., Daskalakis Z.J., Foussias G., Blumberger D.M., Hawco C., Voineskos A.N., 2024. Neural circuitry and therapeutic targeting of depressive symptoms in schizophrenia spectrum disorders. **American Journal of Psychiatry**. 181(10):910-919. PMID: 39350625.

6.   Gallucci J., Secara M.T., Chen O., Oliver L.D., Jones B.D.M., Marawi T., Foussias G., Voineskos A.N., & Hawco C., 2024. A systematic review of structural and functional magnetic resonance imaging studies on the neurobiology of depressive symptoms in schizophrenia spectrum disorders. Schizophrenia. 4;10(1):59. PMID: 38961144

5.   Secara, M. T., Oliver, L. D., Gallucci J., Dickie, E. W., Malhotra, A. K., Buchanan, R. W., Voineskos, A.N., & Hawco, C., 2024. Heterogeneity in Functional Connectivity: Dimensional Predictors of Individual Variability during Rest and Task fMRI in Psychosis. Prog. Neuropsychopharmacol. Biol. Psychiatry 110991. PMID: 38484928

4.   Voineskos, A. N., Hawco, C., Neufeld, N. H., Turner, J. A., Ameis, S. H., Anticevic, A., Buchanan, R. W., Cadenhead, K., Dazzan, P., Dickie, E. W., Gallucci, J., Lahti, A., Malhotra, A. K., Öngür, D., Lencz, T., Sarpal, D. K., Oliver, L. D., 2024. Functional magnetic resonance imaging in schizophrenia: Current evidence, methodological advances, limitations and future directions. **World Psychiatry**. 23, 26:51. PMID: 38214624

3.   Ramsaran A.I., Wang Y., Golbabaei A., Aleshin S., de Snoo M.L., Yeung B.A., Rashid A.J., Awasthi A., Lau J., Tran L.M., Ko S.Y., Abegg A., Duan L.C., McKenzie C., Gallucci J., Ahmed M., Kaushik R., Dityatev A., Josselyn S.A., Frankland P.W., 2023. A shift in the mechanisms controlling hippocampal engram formation during brain maturation. **Science**. 380(6644):543551. PMID: 37141366

2.   Gallucci J., Pomarol-Clotet E., Voineskos A.N., Guerrero-Pedraza A., Alonso-Lana S., Vieta E., Salvador R., Hawco C., 2022. Longer illness duration is associated with greater individual variability in functional brain activity in schizophrenia, but not bipolar disorder, NeuroImage: Clinical.36, 103269. PMID: 36451371

1.   Gallucci J., Tan T., Schifani C., Dickie E.W., Voineskos A.N., Hawco C., 2022. Greater individual variability in functional brain activity during working memory performance in Schizophrenia Spectrum Disorders (SSD). Schizophrenia Research. 248, 21–31. PMID: 35908378

Papers In Press (IP) / In Revision (RVS) / In Review (RVW) / In Submission (SUB)

SUB   Gallucci J., Secara M.T., Jacobs G.R., Velayudhan P.S., Wheeler A.L., Erdman L., Ameis S.H., Hawco C., Voineskos A.N. Distinguishing Features of Youth in Distress via Multimodal Data Integration. Nature Neuroscience

SUB   Hawco C., Gallucci J., Secara M.T., Ng J., Yu J.C. Cognitive-Behavioral Predictors of Individual Variability of Functional Connectivity in Healthy Young Adults: It's better to be average. Imaging Neuroscience.

Theses

1.   Gallucci J. (2022) Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD)

PRESENTATIONS [Presenting Author]

Oral Presentations

2025   Replicable Subgroups of Youth with Distressing Psychotic-Like Experiences via Multimodal Data Fusion. University of Toronto Department of Psychiatry Research Day. Toronto, Canada **– presenter award**

2023   Uncovering the Separable Dimensions of Depressive and Negative Symptoms in Schizophrenia Spectrum Disorders: Neural Circuitry and Clinical Implications. University of Toronto Department of Psychiatry Research Day. Toronto, Canada. **– presenter award**

2023   Longer Duration of Illness is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, but not Bipolar Disorder. Schizophrenia International Research Society (SIRS), Toronto, Canada **– symposium**

2022   Longer Duration of Illness is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, but not Bipolar Disorder. University of Toronto Department of Psychiatry Research Day. Toronto, Canada [virtual].

2022   Greater Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD). The Hospital of Sick Children, Keith Tanswell Symposium. Toronto, Canada [virtual].

Poster Presentations

2025   Integrating Publicly Open Datasets and Coding into Neuroscience Education: Strategies for Large Undergraduate Courses. Allen Institute for the Open Science in Undergraduate Education Symposium, Seattle, U.S.A.

2025   Neurobiological Clusters of Youth with Distressing Psychotic-Like Experiences. Society of Biological Psychiatry (SOBP), Toronto, Canada.

2025   A systematic review of structural and functional magnetic resonance imaging studies on the neurobiology of depressive symptoms in schizophrenia spectrum disorders. Schizophrenia International Research Society (SIRS), Chicago, U.S.A.

2024   Neural Circuitry and Therapeutic Targeting of Depressive Symptoms in Schizophrenia Spectrum Disorders. Society of Biological Psychiatry (SOBP), Austin, U.S.A.

2024   Neural Circuitry and Therapeutic Targeting of Depressive Symptoms in Schizophrenia Spectrum Disorders. Cognitive Neuroscience Society (CNS), Toronto, Canada.

2024   Neural Circuitry and Therapeutic Targeting of Depressive Symptoms in Schizophrenia Spectrum Disorders. Schizophrenia International Research Society (SIRS), Florence, Italy. **–supported by travel award**

2024   Neural Circuitry and Therapeutic Targeting of Depressive Symptoms in Schizophrenia Spectrum Disorders. Imaging Network Ontario (ImNO), Toronto, Canada. **– poster pitch award**

2023   Longer Illness Duration is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, But Not Bipolar Disorder. Organization for Human Brain Mapping (OHBM), Montreal, Canada.

2023   Longer Illness Duration is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, But Not Bipolar Disorder. Schizophrenia International Research Society (SIRS), Toronto, Canada. **– poster finalist**

2023   Longer Illness Duration is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, But Not Bipolar Disorder. Society of Biological Psychiatry (SOBP), San Diego, U.S.A. **– supported by travel award**

2022	Longer Illness Duration is Associated with Greater Individual Variability in Functional Brain Activity in Schizophrenia, But Not Bipolar Disorder. CAMH Research Day, Toronto [virtual].
2022	Greater Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD), University of Toronto Institute of Medical Science Scientific Day, Toronto, Canada.
2022	Greater Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD), Schizophrenia International Research Society (SIRS), Florence, Italy. – poster finalist
2021	Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD) University of Toronto Department of Psychiatry Research Day, Toronto, Canada. [virtual].

Invited Talks & Guest Lectures

2024	Introduction to Neuroscience (HMB200) Guest Lecture	'Neuroimaging- Focus on Structural and Functional Magnetic Resonance Imaging'
2024	Institute of Medical Science Scientific Day Panelist	Schizophrenia Research Panel
2023	CAMH Trainee Seminar Series	'Uncovering the Separable Dimensions of Depressive and Negative Symptoms in Schizophrenia Spectrum Disorders: Neural Circuitry and Clinical Implications'
2023	Introduction to Neuroscience (HMB200) Guest Lecture	'Greater Individual Variability of Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD)'
2022	Introduction to Neuroscience (HMB200) Guest Lecture	'Greater Individual Variability of Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD)'
2021	CAMH Trainee Seminar Series	'Individual Variability in Functional Brain Activity during Working Memory Performance in Schizophrenia Spectrum Disorders (SSD)'

ADDITIONAL TRAINING

2025	Integrating Programming into Biology and Neuroscience Courses Workshop [Teaching]
2024	Teaching Assistants' Training Program (TATP) Online Technology Student Engagement [Teaching]
2024	Teaching Assistants' Training Program (TATP) Laboratories/Practicals [Teaching]
2024	Teaching Assistants' Training Program (TATP) Discussion-Based Tutorials [Teaching]
2024	Teaching Assistants' Training Program (TATP) Grading [Teaching]
2023	BrainHack Toronto Summer School [Computational]

SERVICE

Reviewing

Ad Hoc	Journal of Psychiatric Research (1); Schizophrenia Bulletin (2)
Mentored	American Journal of Psychiatry (with Dr. Aristotle Voineskos, 1); Cell Reports Medicine (with Dr. Aristotle Voineskos, 2); Molecular Psychiatry (with Dr. Aristotle Voineskos, 1); Neuropsychopharmacology (with Dr. Colin Hawco, 1)

Research Volunteer

2018/05 – 2020/04	Part-time Research Assistant, Josselyn-Frankland Lab, The Hospital for Sick

Children

Conference Volunteerism

2019/05	Canada Association for Neuroscience (CAN2019)

Committees

2022/12, 2023/12	BrainHack Toronto Organizing Committee Member
2022/02 – present	CAMH Research Training Leadership Advisory Team

Student Mentorship

2025/06 –2025/09	Alyssa Qian, Institute of Medical Science Summer Undergraduate Research
2024/09 – 2025/05	Program (SURP) (with Dr. Aristotle Voineskos)
	Oliver Chen, Research Project in Human Biology (HMB496) (with Dr. Colin
2024/06 – 2024/09	Hawco)
	Oliver Chen, Institute of Medical Science Summer Undergraduate Research
2023/09 – 2023/12	Program (SURP) (with Dr. Colin Hawco)
2023/05 – 2023/09	Mah Asa Hussaini, GirlsSySTEM Mentorship Education Program
	Oliver Chen, Institute of Medical Science Summer Undergraduate Research
2023/01 – 2023/05	Program (SURP) (with Dr. Aristotle Voineskos)
	Aster Shen, Psychology Alumni-Student Mentorship Program, University
2023/01 – 2023/05	of Toronto
	Alexa Beatriz Fernandez Montano, GirlsSySTEM Mentorship Education
2022/09 – 2022/12	Program
	Alesha Ali, GirlsSySTEM Mentorship Education Program