Shalaila S. Haas

Postdoctoral Fellow in the Department of Psychiatry
Icahn School of Medicine at Mount Sinai
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ABOUT

Shalaila Haas is a cognitive neuroscientist interested in utilizing machine methods to link behavior with neural signatures (neurosignatures) for identification, prognosis, and treatment response prediction in various populations, with an emphasis on psychosis spectrum disorders. She has identified both structural and functional neurosignatures of symptoms and language dysfunction, age-related cognitive decline, and response to computerized cognitive training. Her current research seeks to understand the underlying mechanisms driving heterogeneity of the clinical presentation and course of psychosis spectrum disorders, and the utility of neurosignatures in identifying at-risk individuals in the general population.

EDUCATION

Ph.D.   Ludwig Maximilian University of Munich · *Medical Research*, 2019
             Graduate Program: *Translational Psychiatry*
             International Max Planck Research School

M.S.   Ludwig Maximilian University of Munich · *Neuro-Cognitive Psychology*, 2015

B.A.   University of California, Berkeley · *Psychology*, 2012

PROFESSIONAL EXPERIENCE

2021-22   **Icahn School of Medicine at Mount Sinai** · *Postdoctoral Fellow*   New York, NY, US
            Longitudinal investigation of the role of accelerated brain and body aging for cognition in schizophrenia under mentorship of Profs. Sophia Frangou and René S. Kahn.

2019-21   **Icahn School of Medicine at Mount Sinai** · *Postdoctoral Fellow*   New York, NY, US
            Investigating the neural mechanisms underlying cognition and language dysfunction in individuals at risk for psychosis under mentorship of Profs. Cheryl M. Corcoran and Sophia Frangou.

2022-22   **Ludwig Maximilian University** · *Lecturer*   Munich, DE
            Lecturer for *WP4 - Introduction to multivariate and neuroimaging methods*.

2022-22   **University of Cologne** · *Visiting Scientist (VS)*   Cologne, DE
            Section for Prediction and Prevention of Mental Health Disorders.

2015-19   **Ludwig Maximilian University** · *Graduate Research Assistant (GRA)*   Munich, DE
            MRI scans acquisition on a Philips Ingenia 3T Scanner. Quality assurance of MRI protocols and brain image acquisitions.

2013-15   **Ludwig Maximilian University** · *GRA - Visual Attention Research Lab*   Munich, DE
            Conducted fundamental research experiments underlying attentional processes using eye-tracking and EEG.

PUBLICATIONS

Journal Articles

2022 Schwarzer, J. M., Meyhoefer, I., Antonucci, L. A., Kambeitz-Ilankovic, L., Surmann, M., Bienek, O., Romer, G., Dannlowski, U., Hahn, T., Korda, A. and Dwyer, D. B., Ruef, A., **Haas, S. S.**, ... & Lencer, R. "The impact of visual dysfunctions in recent-onset psychosis and clinical high-risk state for psychosis." *Neuropsychopharmacology*.

2022 Baldwin, H., Radua, J., Antoniades, M., **Haas, S. S.**, Frangou, S., Agartz, I., ... & Fusar-Poli, P. "Neuroanatomical heterogeneity and homogeneity in individuals at clinical high risk for psychosis." *Translational Psychiatry*. *Translational Psychiatry*.

2022 **Haas, S. S.**, Ge, R., Sanford, N., Modabbernia, A., Reichenberg, A., Whalley, H. C., Kahn, R., & Frangou, S. "Accelerated Global and Local Brain Aging Differentiate Cognitively Impaired From Cognitively Spared Patients With Schizophrenia." *Frontiers in Psychiatry*.

2022 Sanford, N., Ge, R., Antoniades, M., Modabbernia, A., **Haas, S. S.**, Whalley, H. C., Galea, L., Popescu, S. G., Cole, J. H., & Frangou, S. "Sex differences in predictors and regional patterns of brain age gap estimates." *Human Brain Mapping*.

2022 **Haas, S. S.**, Doucet, G. E., Antoniades, M., Modabbernia, A., Corcoran, C. M., Kahn, R. S., ... & Frangou, S. "Evidence of discontinuity between psychosis-risk and non-clinical samples in the neuroanatomical correlates of social function." *Schizophrenia Research: Cognition*.

2022 Dwyer, D. B., Buciuman, M. O., Ruef, A., Kambeitz, J., Dong, M. S., ..., **Haas, S. S.**, ... & PRONIA Consortium. "Clinical, Brain, and Multilevel Clustering in Early Psychosis and Affective Stages." *JAMA psychiatry*.

2022 Oeztuerk, O. F., Pigoni, A., Wenzel, J., **Haas, S. S.**, Popovic, D., Ruef, A., ... & Koutsouleris, N. "The clinical relevance of formal thought disorder in the early stages of psychosis: results from the PRONIA study." *European Archives of Psychiatry and Clinical Neuroscience*.

2022 Bilgrami, Z. R., Sarac, C., Srivastava, A., Herrera, S. N., Azis, M., **Haas, S. S.**, Shaik, R. B., Parvaz, M. A., Mittal, V. A., Cecchi, G. & Corcoran, C. M. "Construct validity for computational linguistic metrics in individuals at clinical risk for psychosis: Associations with clinical ratings." *Schizophrenia Research*.

2022 **Haas, S. S.**, Myoraku, A., Watson, K., Robakis, T., Frangou, S., Abbasi, F., & Rasgon, N. "Lower functional hippocampal connectivity in healthy adults is jointly associated with higher levels of leptin and insulin resistance." *European Psychiatry*.

2021 Frangou, S., Abbasi, F., Watson, K., **Haas, S. S.**, Antoniades, M., Modabbernia, A., Myoraku, A., Robakis, T., & Rasgon, N. "Hippocampal volume reduction is associated with direct measure of insulin resistance in adults." *Neuroscience Research*.

2021 Kambeitz-Ilankovic, L., Vinogradov, S., Wenzel, J., Fisher, M., **Haas, S. S.**, Betz, L., Penzel, N., Nagarajan, S., Koutsouleris, N., & Subramaniam, K. "Multivariate pattern analysis of brain structure predicts functional outcome after auditory-based cognitive training interventions." *npj Schizophrenia*.

2021 Hauke, D. J., Schmidt, A., Studerus, E., Andreou, C., Riecher-Rössler, A., Radua, J., Kambeitz, J., Ruef, A., Dwyer, D. B., Kambeitz-Ilankovic, L. and Lichtenstein, T., Sanfelici, R., Penzel, N., **Haas, S. S.**, ... & Borgwardt, S. "Multimodal prognosis of negative symptom severity in individuals at increased risk of developing psychosis." *Translational Psychiatry*.

2021 Herrera, S. N., Sarac, C., Bilgrami, Z. R., Dobbs, M. F., Jespersen, R., **Haas, S. S.**, Garg, S., Shaik, R.B., Landa, Y., & Corcoran, C. M. "A case report and first-person account of an individual at risk for psychosis who improved during the COVID-19 pandemic." *Psychosis*.

2021 Sarac, C., DeLuca, J. S., Bilgrami, Z. R., Herrera, S. N., Myers, J. J., Dobbs, M. F., **Haas, S. S.**, Todd, T. L., Srivastava, A., Jespersen, R. and Shaik, R. B., Landa, Y., Davidson, L., Pavlo, A. J., & Corcoran, C. M. "A qualitative study on identity in individuals at clinical high risk for psychosis:"… Why does it have to be one thing?"." *Psychiatric Rehabilitation Journal*.

2021 Jalbrzikowski, M., Hayes, R. A., Wood, S. J., Nordholm, D., Zhou, J. H., ..., **Haas, S. S.**, ... & ENIGMA

Clinical High Risk for Psychosis Working Group. "Association of structural magnetic resonance imaging measures with psychosis onset in individuals at clinical high risk for developing psychosis: an ENIGMA working group mega-analysis." *JAMA psychiatry*. ⧉

2021   Wenzel, J., **Haas, S. S.**, Dwyer, D. B., Ruef, A., Oeztuerk, O. F., Antonucci, L. A., von Saldern, S., Bonivento, C., Garzitto, M., Ferro, A., Paolini, M., ... & Kambeitz-Ilankovic, L. "Cognitive subtypes in recent onset psychosis: distinct neurobiological fingerprints?" *Neuropsychopharmacology*. ⧉

2021   Antoniades, M., **Haas, S. S.**, Modabbernia, A., Bykowsky, O., Frangou, S., Borgwardt, S., & Schmidt, A. "Personalized estimates of brain structural variability in individuals with early psychosis." *Schizophrenia Bulletin*. ⧉

2021   Koutsouleris, N., Dwyer, D.B., Degenhardt, F., Maj, C., Urquijo-Castro, M.F., Sanfelici, R., Popovic, D., Oeztuerk, O., **Haas, S. S.**,... & the PRONIA Consortium. "Multimodal machine learning workflows for prediction of psychosis in patients with clinical high-risk syndromes and recent-onset depression." *JAMA psychiatry*. ⧉

2021   **Haas, S. S.**, Antonucci, L. A., Wenzel, J., Ruef, A., Biagianti, B., Paolini, M., Rauchmann, B.S., Weiske, J., Kambeitz, J., Borgwardt, S., Brambilla, P., ... & Kambeitz-Ilankovic, L. "A multivariate neuromonitoring approach to neuroplasticity-based computerized cognitive training in recent onset psychosis." *Neuropsychopharmacology*. ⧉

2020   Kambeitz-Ilankovic, L., Wenzel, J., **Haas, S. S.**, Ruef, A., Antonucci, L. A., Sanfelici, R., Paolini, M., Koutsouleris, N., & Biagianti, B. "Modeling social sensory processing during social computerized cognitive training for psychosis spectrum: the resting-state approach." *Frontiers in Psychiatry*. ⧉

2020   Sarac, C., Bilgrami, Z. R., **Haas, S. S.**, Herrera, S. N., Myers, J. J., Nelson, B., Malaspina, D., & Corcoran, C. M. "Processing speed and brain volume in individuals at clinical high-risk for psychosis with comorbid eating disorders: A brief report." *Schizophrenia Research*. ⧉

2020   **Haas, S. S.**, Doucet, G. E., Garg, S., Herrera, S. N., Sarac, C., Bilgrami, Z. R., Shaik, R. B., & Corcoran, C. M. "Linking language features to clinical symptoms and multimodal imaging in individuals at clinical high risk for psychosis." *European Psychiatry*. ⧉

2020   Loganathan, S., Pöhlchen, D., Brivio, E., Comes, A. L., **Haas, S. S.**, Kalman, J. L., Krontira, A.C., Stamp, F., Hoch, E., & Wotjak, C. T. "Be Careful What You Feed Your Brain: Cannabis and Mental Health." *Frontiers for Young Minds*. ⧉

2019   Antonucci, L.A., Penzel, N., Pergola, G., Kambeitz-Ilankovic, L., Dwyer, D., Kambeitz, J., **Haas, S. S.**, Passiatore, R., Fazio, L., Caforio, G., Falkai, P., Blasi, G., Bertolino, A., & Koutsouleris, N. "Multivariate classification of schizophrenia and its familial risk based on load-dependent attentional control brain functional connectivity." *Neuropsychopharmacology*. ⧉

2019   Kambeitz-Ilankovic, L., Betz, L. T., Dominke, C., **Haas, S. S.**, Subramaniam, K., Fisher, M., Vinogradov, S., Koutsouleris, N., & Kambeitz, J. "Multi-outcome meta-analysis (MOMA) of cognitive remediation in schizophrenia: revisiting the relevance of human coaching and elucidating interplay between multiple outcomes." *Neuroscience & Biobehavioral Reviews*. ⧉

2018   Kambeitz-Ilankovic, L.*, **Haas, S. S.***, Meisenzahl, E., Dwyer, D. B., Weiske, J., Peters, H., Möller, H.J., Falkai, P., & Koutsouleris, N. "Neurocognitive and neuroanatomical maturation in the clinical high-risk states for psychosis: a pattern recognition study." *NeuroImage: Clinical*. * ⧉

Conference Proceedings (peer-reviewed)

2022   **Haas, S. S.**, Ge, R., Modabbernia, A., Reichenberg, A., Whalley, H. C., Kahn, R. S., Frangou, S. "Multimodal neuroimaging characteristics of cognitive subgroups of early psychosis." in *Organization for Human Brain Mapping 2022*, Glasgow, Scotland. ⧉

2022   **Haas, S. S.**, Ge, R., Sanford, N., Modabbernia, A., Reichenberg, A., Whalley, H. C., ... & Frangou, S. "P582. Local and Global Brain Ageing in Cognitive Subgroups of Early Psychosis." in *Society of Biological Psychiatry 2022*, New Orelans, LA, USA. ⧉

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*Shared first authors.

2022   Shaik, R., Bel-Bahar, T., Herrera, S., Bilgrami, Z. R., Sarac, C., Srivastava, A., **Haas, S. S.**, ... & Parvaz, M. A. "P519. Increased Frontal and Parietal Resting-State Lower Alpha Power as a Potential Marker of a Compensatory Mechanism Against Negative Symptoms in Clinical High-Risk Individuals for Psychosis." in *Society of Biological Psychiatry 2022*, New Orelans, LA, USA. ⬀

2022   Srivastava, A., Abrami, A., Shaik, R., **Haas, S. S.**, Herrera, S. N., ... & Corcoran, C. M. "P473. Estimating Self-Disturbance in Psychosis and Its Risk States Using Natural Language Processing Analysis of Open-Ended Interviews" in *Society of Biological Psychiatry 2022*, New Orelans, LA, USA. ⬀

2022   **Haas, S. S.**, Srivastava, A., Antonucci, L. A., Herrera, S. N., Bilgrami, Z. R., Sarac, C., Shaik, R. B., Cecchi, G. A., Mizrahi, R., Nelson, B., & Corcoran, C. M. "T16. Improved Individualized Identification of Schizophrenia and Clinical High Risk for Psychosis when Combining Cognition with Natural Language Processing" in *Schizophrenia International Research Society 2022*, Florence, Italy. ⬀

2022   **Haas, S. S.**, Ge, R., Sanford, N., Modabbernia, A., Reichenberg, A., Whalley, H. C., Kahn, R. S., & Frangou, S. "F92. Cognitive Subgroups of Early Psychosis Differ in Global and Local Brain Aging" in *Schizophrenia International Research Society 2022*, Florence, Italy. ⬀

2022   Wenzel, J., Badde, L., **Haas, S. S.**, Dwyer, D. B., Bonivento, C., Brambilla, P., Koutsouleris, N., Kambeitz, J., & Kambeitz-Ilankovic, L. "F65. Clustering is Less Likely to Capture Distinct Cognitive Subgroups Across Psychotic and Affective Illnesses in the Early Stage: New Insights from the PRONIA Study" in *Schizophrenia International Research Society 2022*, Florence, Italy. ⬀

2022   Baldwin, H., Radua, J., Antoniades, M., **Haas, S. S.**, Frangou, S., Jalbrzikowski, M., ... & Fusar-Poli, P. "S110. Neuroanatomical Heterogeneity in Individuals at Clinical High-Risk for Psychosis" in *Schizophrenia International Research Society 2022*, Florence, Italy. ⬀

2021   Myoraku, A., **Haas, S. S.**, Watson, K., Robakis, T., Frangou, S., Abbasi, F., ... & Rasgon, N. "P22. Brain Imaging Correlates of Metabolic Function in Adults Who are Overweight/Obese." in *American College of Neuropsychopharmacology 2021*, San Juan, Puerto Rico. ⬀

2021   Sanford, N., Antoniades, M., **Haas, S. S.**, & Frangou, S. "S247. Sociobiological Factors Associated With Higher Predicted Brain-Age in Young Healthy Adults: Findings From the Human Connectome Project." in *Society of Biological Psychiatry 2021*, Virtual. ⬀

2021   Shaik, R., Bilgrami, Z. R., Sarac, C., Herrera, S., **Haas, S. S.**, Srivastava, A., … & Corcoran, C. M. "Auditory Mismatch Negativity in Clinical High Risk for Psychosis and Schizophrenia, and Association With Symptoms and Cognition." in *Society of Biological Psychiatry 2021*, Virtual. ⬀

2020   **Haas, S. S.**, Doucet, G. E., Antoniades, M., Modabbernia, A., Lee, W. H., Kahn, R. S., ... & Frangou "Neuroimaging Defined Psychosis Spectrum Phenotypes in the General Population." in *Society of Biological Psychiatry 2020*, Virtual. ⬀

2020   **Haas, S. S.**, Bilgrami, Z. R., Sarac, C., Herrera, S. N., Shaik, R., Frangou, S., & Corcoran, C. M. "Neural Correlates of Thought Disorder and Attenuated Hallucinatory Symptoms in Individuals at Clinical High Risk for Psychosis." in *Society of Biological Psychiatry 2020*, Virtual. ⬀

2020   Antoniades, M., Modabbernia, A., Doucet, G. E., **Haas, S. S.**, & Frangou, S. "Cognitive Ability and MRI-Predicted Age Gap in Healthy Individuals From a Large Epidemiological Sample." in *Society of Biological Psychiatry 2020*, Virtual. ⬀

2020   Shaik, R., Parvaz, M. A., Bilgrami, Z. R., Sarac, C., Herrera, S., Garg, S., **Haas, S. S.**, ... & Corcoran, C. M. "Patterns of Mismatch Negativity Deficits in Individuals at Clinical High Risk for Psychosis and Association with Symptoms." in *Society of Biological Psychiatry 2020*, Virtual. ⬀

2020   Antonucci, A., Penzel, N., Pergola, G., **Haas, S. S.**, Kambeitz-Ilankovic, L., Blasi, G., ... & Koutsouleris, N. "Functional connectivity during increasing attentional control request identifies unique and shared brain signatures of schizophrenia and its familial risk." in *Schizophrenia International Research Society 2020*, Virtual. ⬀

2020   Öztürk, Ö. F., Pigoni, A., Wenzel, J., **Haas, S. S.**, Popovic, D., Ruef, A., ... & Koutsouleris, N. "O6. 4. Association Between Clusters of Formal Thought Disorder Severity and Neurocognitve and Functional Outcome Indices in the Early Stages of Psychosis–Results from the PRONIA Cohort." in *Schizophrenia*

International Research Society 2020, Virtual. ⍈

2020 Wenzel, J., Dwyer, D. B., Ruef, A., Öztürk, **Haas, S. S.**, Kambeitz, J., ... & Kambeitz-Ilankovic, L. "S44. Neurobiological Fingerprints of Cognitive Subtypes in Recent Onset Psychosis Patients." in *Schizophrenia International Research Society 2020*, Virtual. ⍈

2020 Hauke, D., Schmidt, A., Studerus, E., Andreou, C., Riecher-Rössler, A., **Haas, S. S.**, ... & Borgwardt, S. "O6.6. Multimodal Prognosis of Negative Symptom Severity in Individuals with Increased Risk of Developing Psychosis." in *Schizophrenia International Research Society 2020*, Virtual. ⍈

2019 Antonucci, L. A., Penzel, N., Pergola, G., Kambeitz-Ilankovic, L., **Haas, S. S.**, Kambeitz, J., ... & Koutsouleris, N. "Using ROI-based functional connectivity during attention to classify schizophrenia and its familial risk." in *Organization for Human Brain Mapping 2019*, Rome, Italy. ⍈

2019 Weiske, J., **Haas, S. S.**, Ruef, A., Betz, L., Pergola, G., Koutsouleris, N., & Antonucci, L. A. "M081. Comparison of two brain parcellations in functional connectivity-based classification of psychosis." in *Organization for Human Brain Mapping 2019*, Rome, Italy. ⍈

2019 Penzel, N., **Haas, S. S.**, Sanfelici, R., Cubillos-Pinilla, L., Kambeitz-Ilankovic, L., Falkai, P., ... & Kambeitz, J. "M123. Structural and functional brain alterations across the psychosis spectrum: a meta-analysis." in *Organization for Human Brain Mapping 2019*, Rome, Italy.

2019 Kambeitz-Ilankovic, L., Vinogradov, S., Wenzel, J., Fisher, M., **Haas, S. S.**, Koutsouleris, N., & Subramaniam, K. "Using multivariate analysis to predict functional outcome in response to cognitive training interventions." in *Organization for Human Brain Mapping 2019*, Rome, Italy. ⍈

2019 Kambeitz-Ilankovic, L., Koutsouleris, N., Wenzel, J., **Haas, S. S.**, Fisher, M., Vinogradov, S., & Subramaniam, K. "Individualized Prediction of Functional Outcomes in Schizophrenia Patients in Response to Neuro-Cognitive Intervention: a Machine Learning Analysis." in *Schizophrenia International Research Society 2019*, Orlando, Florida. ⍈

2018 **Haas, S. S.**, Koutsouleris, N., Ruef, A., Biagianti, B., Kambeitz, J., Dwyer, D., Khanyaree, I., Sanfelici, R., & Kambeitz-Ilankovic, L. "F70. Computerized Social Cognitive Training (SCT) Improves Cognition And Restores Functional Connectivity In Recent Onset Psychosis: An Interim Report." in *Schizophrenia International Research Society 2018*, Florence, Italy. ⍈

2018 Weiske, J., Ruef, A., **Haas, S. S.**, Bonivento, C., Koutsouleris, N., Kambeitz-Ilankovic, L. "T137. Classification Of Recent-onset Psychosis Based On Resting-state Functional Connectivity And The Relationship To Neurocognitive Impairment." in *Schizophrenia International Research Society 2018*, Florence, Italy. ⍈

2017 Kambeitz-Ilankovic, L., **Haas, S. S.**, Meisenzahl, E., Möller, H.J., Falkai, P., & Koutsouleris, N. "1305. Altered Neurocognitive Aging in Adults with Clinical High Risk for Psychosis." in *Organization for Human Brain Mapping 2017*, Vancouver, Canada. ⍈

2016 **Haas, S. S.**, Cabral, C., Urquijo, M., Von Saldern, S., Kambeitz, J., Koutsouleris, N., & Kambeitz-Ilankovic, L. "M154. Separation of recent-onset psychosis patients from healthy controls based on resting-state functional connectivity pattern classification." in *Schizophrenia International Research Society 2016*, Florence, Italy. ⍈

Book Chapters

2022 Antoniades, M., **Haas, S. S.**, Moukaled, S., New, F., Pescatore, S., Frangou, S.: Adolescent Psychosis: "Chapter 9 - Functional brain imaging in early-onset psychosis".

Theses

2019 Ph.D. - Elucidating the efficacy and response to social cognitive training in recent onset psychosis. ⍈

2015 M.S. - Separation of recent-onset psychosis patients from healthy controls based on resting-state functional connectivity pattern classification. ⍈

TEACHING

2022-Fa   Lecturer for Course WP4 Neuro-Cognitive Psychology - Introduction to Multivariate and Neuroimaging Methods — under Dr. L. Kambeitz-Ilankovic

2017-Fa   TA for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — under Dr. L. Kambeitz-Ilankovic

2016-Fa   Lecturer for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — under Dr. L. Kambeitz-Ilankovic

2016-Fa   TA for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — under Dr. L. Kambeitz-Ilankovic

2015-Fa   Lecturer for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — under Dr. L. Kambeitz-Ilankovic

2015-Fa   TA for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — under Dr. L. Kambeitz-Ilankovic

2021-Sp   TA for Course M(B) Neuro-Cognitive Psychology - Neuroimaging in Psychosis and At Risk Mental State — Instr.: Dr. L. Kambeitz-Ilankovic

Guest Lectures (GL), Panels (P) & Invited Talks (IT)

2022-P   *Utility of Machine Learning for Neuroimaging in Psychiatry* — "Utility of machine learning to link multimodal neurosignatures with behavior across psychosis spectrum disorders and its application to general population samples." Symposium for the British Association for Psychopharmacology Conference in 2023.

2022-P   *Cognition revisited: understanding heterogeneity in early psychosis* — "Local and Global Brain Aging in Cognitive Subgroups of Early Psychosis." Symposium for 14th International Conference on Early Intervention in Mental Health in 2023.

2022-P   *Neurobiological Correlates of Subtle but Distinct Perceptual Alterations in Psychosis* — "Functional connectivity-based signatures of perceptual disturbances in individual at clinical high-risk for psychosis: a multivariate pattern analysis." Symposium for Schizophrenia International Research Society Conference in 2023.

2022-IT   *Linking abnormal neural hierarchy in processing verbal information with thought disorder across the psychosis spectrum* — invited talk at the Department of Psychiatry at Columbia University in July 2022.

Student Supervision

2022   Matthew Cotter, Alessia McGowan, Sophie Shuster — "Natural language processing predicts psychosis"

2022   Ananatha Ramakrishnan — "Clustering to identify environmental predictors of substance-use risk"

2021   Holland Brown — "Decoding visual stimuli in Schizophrenia"

2019   Cansu Sarac — "Processing speed and brain volume in individuals at clinical high-risk for psychosis with comorbid eating disorders: A brief report"

2019   Adrian Rangnick, *B.A. Psychology*, Bachelor's Thesis — "Cognitive maturation across early psychosis: a machine learning approach."

2018   Ifrah Khanyaree, *M.Sc. Neuro-Cognitive Psychology*, Master's Thesis — "Using resting state functional connectivity to predict functional outcome in individuals at clinical high risk for psychosis."

Awards & Honors

2022	Early Career Award, Schizophrenia International Research Society
2022	Poster Finalist, Schizophrenia International Research Society
2022	Member of the Elitenetwork Bavaria
2019	Ph.D. with honorable distinction from the examination board
2017	Travel Award, GlaxoSmithKline to attend the OHBM conference in Vancouver, Canada
2016	Top Overall Poster Award, Schizophrenia International Research Society

SKILLS

Programming: Matlab, R, Python

Neuroimaging Modalities: sMRI, fMRI, resting-state fMRI

Specialized Tools: Git, Docker, LaTeX, Freesurfer, SPM, BIDS, DPABI, GIFT, MRIcron, BrainNet Viewer, DCM, NeuroMiner

Languages: English, German, Tagalog