

# Stanford

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## Christina Young

Instructor, Neurology & Neurological Sciences

### Bio

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#### BIO

Dr. Christina Young obtained her PhD in Clinical Psychology as well as her MS in Statistics at Northwestern University. She completed her predoctoral internship at the University of Illinois Chicago where she specialized in neuropsychology. She continued her neuropsychology training as well as her research during her postdoctoral fellowship at Stanford University.

Dr. Young's research focuses on identifying real-world declines in cognition that track with the pathological changes in neurodegenerative disorders such as Alzheimer's disease (AD) and related dementias. Her work incorporates novel measures of cognition as well as neuroimaging to improve the detection and monitoring of early cognitive decline in the context of AD and related dementias. She has been awarded grant funding through a K99/R00 from the NIH and an Alzheimer's Association Research Fellowship to Promote Diversity (AARF-D) from the Alzheimer's Association.

#### ACADEMIC APPOINTMENTS

- Instructor, Neurology & Neurological Sciences

#### HONORS AND AWARDS

- Alzheimer's Association Award for Young Scientists, Alzheimer's Association (2022)
- Alzheimer's Association International Conference Fellowship Award, Alzheimer's Association (2022)
- Henry Newman Award for best paper relevant to clinical neurology, San Francisco Neurological Society (2022)
- Rapid Research Presentation Award, NINDS Udall Centers Meeting (2020)
- Travel Award, Organization for Human Brain Mapping (2014)

#### PROFESSIONAL EDUCATION

- Postdoctoral Fellowship, Stanford University , Neuropsychology (2022)
- Predoctoral Internship, University of Illinois Chicago , Neuropsychology (2018)
- PhD, Northwestern University , Clinical Psychology (2018)
- MS, Northwestern University , Statistics (2017)
- MS, Northwestern University , Clinical Psychology (2014)
- BS, University of California, San Diego , Psychology with Mathematics Minor (2009)

## Publications

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### PUBLICATIONS

- **Performance of a fully-automated Lumipulse plasma phospho-tau181 assay for Alzheimer's disease.** *Alzheimer's research & therapy*  
Wilson, E. N., Young, C. B., Ramos Benitez, J., Swarovski, M. S., Feinstein, I., Vandijck, M., Le Guen, Y., Kasireddy, N. M., Shahid, M., Corso, N. K., Wang, Q., Kennedy, G., Trelle, et al  
2022; 14 (1): 172
- **Tau positron emission tomography in preclinical Alzheimer's disease.** *Brain : a journal of neurology*  
Insel, P. S., Young, C. B., Aisen, P. S., Johnson, K. A., Sperling, R. A., Mormino, E. C., Donohue, M. C.  
2022
- **Divergent Cortical Tau Positron Emission Tomography Patterns Among Patients With Preclinical Alzheimer Disease.** *JAMA neurology*  
Young, C. B., Winer, J. R., Younes, K., Cody, K. A., Bethausen, T. J., Johnson, S. C., Schultz, A., Sperling, R. A., Greicius, M. D., Cobos, I., Poston, K. L., Mormino, E. C., Alzheimers Disease Neuroimaging Initiative and the Harvard Aging Brain Study, et al  
2022
- **Dopaminergic medication normalizes aberrant cognitive control circuit signalling in Parkinson's disease.** *Brain : a journal of neurology*  
Cai, W., Young, C. B., Yuan, R., Lee, B., Ryman, S., Kim, J., Yang, L., Henderson, V. W., Poston, K. L., Menon, V.  
2022
- **Prevalence Rates of Amyloid Positivity-Updates and Relevance.** *JAMA neurology*  
Young, C. B., Mormino, E. C.  
1800
- **Neuroimaging approaches to cognition in Parkinson's disease.** *Progress in brain research*  
Montaser-Kouhsari, L., Young, C. B., Poston, K. L.  
2022; 269 (1): 257-286
- **Decreased reward-related brain function prospectively predicts increased substance use.** *Journal of abnormal psychology*  
Bart, C. P., Nusslock, R., Ng, T. H., Titone, M. K., Carroll, A. L., Damme, K. S., Young, C. B., Armstrong, C. C., Chein, J., Alloy, L. B.  
2021; 130 (8): 886-898
- **Latent brain state dynamics and cognitive flexibility in older adults.** *Progress in neurobiology*  
Lee, B., Cai, W., Young, C. B., Yuan, R., Ryman, S., Kim, J., Santini, V., Henderson, V. W., Poston, K. L., Menon, V.  
2021: 102180
- **Influence of Common Reference Regions on Regional Tau Patterns in Cross-Sectional and Longitudinal [18F]-AV-1451 PET Data.** *NeuroImage*  
Young, C. B., Landau, S. M., Harrison, T. M., Poston, K. L., Mormino, E. C., ADNI  
2021: 118553
- **High cerebrospinal amyloid-beta 42 is associated with normal cognition in individuals with brain amyloidosis** *ECLINICALMEDICINE*  
Sturchio, A., Dwivedi, A. K., Young, C. B., Malm, T., Marsili, L., Sharma, J. S., Mahajan, A., Hill, E. J., El Andaloussi, S., Poston, K. L., Manfredsson, F. P., Schneider, L. S., Ezzat, et al  
2021; 38
- **High cerebrospinal amyloid-# 42 is associated with normal cognition in individuals with brain amyloidosis.** *EClinicalMedicine*  
Sturchio, A., Dwivedi, A. K., Young, C. B., Malm, T., Marsili, L., Sharma, J. S., Mahajan, A., Hill, E. J., Andaloussi, S. E., Poston, K. L., Manfredsson, F. P., Schneider, L. S., Ezzat, et al  
2021; 38: 100988
- **Socioeconomic Disparities Affect Children's Amygdala-Prefrontal Circuitry via Stress Hormone Response.** *Biological psychiatry*  
Tian, T., Young, C. B., Zhu, Y., Xu, J., He, Y., Chen, M., Hao, L., Jiang, M., Qiu, J., Chen, X., Qin, S.  
2021
- **PROSPECTIVE EFFECTS OF A GROUP-BASED MOTHER-DAUGHTER INTERVENTION FOR AFRICAN AMERICAN ADOLESCENT GIRLS ON MENTAL HEALTH SYMPTOMS AND SEXUALLY TRANSMITTED INFECTIONS**  
Kendall, A., Young, C., Bray, B., Emerson, E., Freels, S., Donenberg, G.  
BMJ PUBLISHING GROUP.2020: 1106-7

- **Changes in Externalizing and Internalizing Symptoms Among African American Female Adolescents Over 1 Year Following a Mother-Daughter Sexual Health Intervention** *JOURNAL OF CONSULTING AND CLINICAL PSYCHOLOGY*  
Kendall, A. D., Young, C. B., Bray, B. C., Emerson, E. M., Freels, S., Donenberg, G. R.  
2020; 88 (6): 495–503
- **Amygdala subnuclei volume in bipolar spectrum disorders: Insights from diffusion-based subsegmentation and a high-risk design.** *Human brain mapping*  
Damme, K. S., Alloy, L. B., Young, C. B., Kelley, N. J., Chein, J., Ng, T. H., Titone, M. K., Black, C. L., Nusslock, R.  
2020
- **Emotion-based brain mechanisms and predictors for SSRI and CBT treatment of anxiety and depression: a randomized trial** *NEUROPSYCHOPHARMACOLOGY*  
Gorka, S. M., Young, C. B., Klumpp, H., Kennedy, A. E., Francis, J., Ajilore, O., Langenecker, S. A., Shankman, S. A., Craske, M. G., Stein, M. B., Phan, K.  
2019; 44 (9): 1639–48
- **Using Machine Learning to Characterize Circuit-Based Subtypes in Mood and Anxiety Disorders**  
Young, C., Harati, S., Ball, T., Williams, L.  
ELSEVIER SCIENCE INC.2019: S310
- **The Impact of Family History of Depression on the Relation Between Episodic Memory Encoding and Intrinsic Hippocampal Connectivity**  
Young, C., Talati, A., Posner, J., Weissman, M. M., Shankman, S.  
ELSEVIER SCIENCE INC.2019: S243
- **Emotion-based brain mechanisms and predictors for SSRI and CBT treatment of anxiety and depression: A randomized trial.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*  
Gorka, S. M., Young, C. B., Klumpp, H., Kennedy, A. E., Francis, J., Ajilore, O., Langenecker, S. A., Shankman, S. A., Craske, M. G., Stein, M. B., Luan Phan, K.  
2019
- **Dynamic Temporal Inflexibility of the Frontoparietal Network Predicts Depression Severity and Treatment Response in Internalizing Psychopathologies**  
Young, C., Chen, T., Zhang, Y., Klumpp, H., Phan, K., Menon, V.  
ELSEVIER SCIENCE INC.2018: S196–S197
- **Brain hyper-connectivity and operation-specific deficits during arithmetic problem solving in children with developmental dyscalculia.** *Developmental science*  
Rosenberg-Lee, M., Ashkenazi, S., Chen, T., Young, C. B., Geary, D. C., Menon, V.  
2015; 18 (3): 351-372
- **Amygdala subregional structure and intrinsic functional connectivity predicts individual differences in anxiety during early childhood.** *Biological psychiatry*  
Qin, S., Young, C. B., Duan, X., Chen, T., Supekar, K., Menon, V.  
2014; 75 (11): 892-900
- **Cortico-limbic-striatal Reactivity in Depression and its Relationship with Anhedonia**  
Young, C. B., Nusslock, R., Keller, J., Schatzberg, A. F., Menon, V.  
ELSEVIER SCIENCE INC.2014: 196S
- **Brain hyper-connectivity and operation-specific deficits during arithmetic problem solving in children with developmental dyscalculia** *DEVELOPMENTAL SCIENCE*  
Rosenberg-Lee, M., Ashkenazi, S., Chen, T., Christina, Y. B., Geary, D. C., Menon, V.  
2014: 351–72
- **Trait anhedonia is associated with reduced reactivity and connectivity of mesolimbic and paralimbic reward pathways.** *Journal of psychiatric research*  
Keller, J., Young, C. B., Kelley, E., Prater, K., Levitin, D. J., Menon, V.  
2013; 47 (10): 1319-1328
- **Hippocampal-Prefrontal Engagement and Dynamic Causal Interactions in the Maturation of Children's Fact Retrieval** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Cho, S., Metcalfe, A. W., Young, C. B., Ryali, S., Geary, D. C., Menon, V.  
2012; 24 (9): 1849-1866
- **Immature integration and segregation of emotion-related brain circuitry in young children** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Qin, S., Young, C. B., Supekar, K., Uddin, L. Q., Menon, V.  
2012; 109 (20): 7941-7946

● **The Neurodevelopmental Basis of Math Anxiety** *PSYCHOLOGICAL SCIENCE*

Young, C. B., Wu, S. S., Menon, V.  
2012; 23 (5): 492-501

● **Burnout in Premedical Undergraduate Students** *ACADEMIC PSYCHIATRY*

Young, C., Fang, D., Golshan, S., Moutier, C., Zisook, S.  
2012; 36 (1): 11-16

● **Multivariate Searchlight Classification of Structural Magnetic Resonance Imaging in Children and Adolescents with Autism** *BIOLOGICAL PSYCHIATRY*

Uddin, L. Q., Menon, V., Young, C. B., Ryali, S., Chen, T., Khouzam, A., Minshew, N. J., Hardan, A. Y.  
2011; 70 (9): 833-841

● **Functional dissociations between four basic arithmetic operations in the human posterior parietal cortex: A cytoarchitectonic mapping study** *NEUROPSYCHOLOGIA*

Rosenberg-Lee, M., Chang, T. T., Young, C. B., Wu, S., Menon, V.  
2011; 49 (9): 2592-2608

● **Depression in Asian American and Caucasian undergraduate students** *JOURNAL OF AFFECTIVE DISORDERS*

Young, C. B., Fang, D. Z., Zisook, S.  
2010; 125 (1-3): 379-382