

**CHRISTINA B YOUNG**  
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## EDUCATION

2014 – Present	Ph.D. Candidate, Clinical Psychology, Northwestern University
2011 – 2017	M.S. Candidate, Statistics, Northwestern University
2014 – 2015	Visiting Ph.D. Candidate, Donders Institute for Brain, Cognition and Behaviour, Radboud University; Department of Psychiatry, Radboud University Medical Center
2011 – 2014	M.S., Clinical Psychology, Northwestern University
2006 – 2009	B.S., Psychology with minor in Mathematics, University of California, San Diego (UCSD)

## AWARDS AND HONORS

2016 – 2017	Recipient of Walter Dill Scott Scholarship, Northwestern University
2015 – 2016	Predoctoral trainee in the Neuroscience of Human Cognition training program, National Institute of Health (NIH)
2014 – 2015	Graduate Research Opportunities Worldwide Grant, National Science Foundation (NSF) and Netherlands Organization for Scientific Research (NWO)
2012 – 2015	NSF Graduate Research Fellowship Program
2014	Travel Award, Organization for Human Brain Mapping
2009	Summa Cum Laude/Highest Distinction Honors, UCSD
2009	Grant from John A. Majda, M.D. Foundation
2008 – 2009	Faculty Mentor Program, UCSD
2008 – 2009	Psychology Honors Program, UCSD
2008 – 2009	Provost's Honors, UCSD
2007, 2009	Thurgood Marshall Scholar and Citizen Award, UCSD

## PUBLICATIONS

### Published

Damme, K. S., **Young, C. B.**, & Nusslock, R. (2017). Elevated nucleus accumbens structural connectivity associated with proneness to hypomania: A reward hypersensitivity perspective. *Social Cognitive and Affective Neuroscience*.

**Young, C. B.**, Chen, T., Nusslock, R., Keller, J., Schatzberg, A. F., & Menon, V. (2016). Anhedonia and general distress are associated with dissociable ventromedial prefrontal cortex connectivity in major depressive disorder. *Translational Psychiatry*, 6, e810.

- Young, C. B.**, Müller, B., & Tendolkar, I. (2016). Imaging functional systems in depression. In Frodl, T. (Eds.). *Systems Neuroscience in Depression*. Elsevier Science.
- Young, C. B.**, & Nusslock, R. (2016). Positive mood enhances reward-related neural activity. *Social Cognitive and Affective Neuroscience*, 11, 934-944.
- Young, C. B.**, Raz, G., Everaerd, D., Beckmann, C. F., Tendolkar, I., Fernández, G., & Hermans, E. J. (2016). Dynamic shifts in large-scale brain network balance in response to arousal. *The Journal of Neuroscience*.
- Young, C. B.**, van Eijndhoven, P., Nusslock, R., Fernández, G., Schene, A., Beckmann, C. F., & Tendolkar, I. (2016). Decreased hippocampal volume is related to white matter abnormalities in treatment-resistant depression. *International Journal of Brain Disorders and Treatment*, 2:012.
- Nusslock, R., **Young, C. B.**, & Damme, K. (2014). Elevated reward-related neural activation as a unique biological marker of bipolar disorder: Assessment and treatment implications. *Behaviour Research and Therapy*, 62, 74-87.
- Qin, S., **Young, C. B.**, Duan, X., Chen, T., & Menon, V. (2014). Amygdala subregional structure and intrinsic functional connectivity predicts individual differences in anxiety during early childhood. *Biological Psychiatry*, 75, 892–900.
- Rosenberg-Lee, M., Ashkenazi, S., Chen, T., **Young, C. B.**, Geary, D., & Menon, V. (2014). Brain hyper-connectivity and operation-specific deficits during arithmetic problem solving in children with developmental dyscalculia. *Developmental Science*.
- Keller, J\*, **Young, C. B.\***, Kelly, E., Prater, K., Levitin, D. J., & Menon, V. (2013). Trait anhedonia is associated with reduced reactivity and connectivity of mesolimbic and paralimbic reward pathways. *Journal of Psychiatric Research*, 47, 1319–1328.
- Nusslock, R., **Young, C. B.**, & Pornpattananangkul, N., & Damme, K. (2013). Neurophysiological and neuroimaging approaches to clinical psychology research. In R. Cautin & S. Lilienfeld (Eds.), *Encyclopedia of Clinical Psychology*. New Jersey: Wiley-Blackwell.
- Cho, S., Metcalfe, A. W. S., **Young, C. B.**, Ryali, S., Geary, D. C., & Menon, V. (2012). Hippocampal-prefrontal engagement and dynamic causal interactions in the maturation of children's fact retrieval. *Journal of Cognitive Neuroscience*, 24, 1849–1866.
- Qin, S., **Young, C. B.**, Supekar, K., Uddin, L. Q., & Menon, V. (2012). Immature integration and segregation of emotion-related brain circuitry in young children. *Proceedings of the National Academy of Sciences*, 109, 7941–7946.
- Fang, D. Z., **Young, C. B.**, Golshan, S., Moutier, C., & Zisook, S. (2012). Burnout in premedical undergraduate students. *Academic Psychiatry*, 36, 11–16.
- Young, C. B.**, Wu, S., & Menon, V. (2012). Neurodevelopmental basis of math anxiety. *Psychological Science*, 23, 492–501.
- Rosenberg-Lee, M., Chang, T. T., **Young, C. B.**, Wu, S., & Menon, V. (2011). Functional dissociations between four basic arithmetic operations in the human parietal cortex: A cytoarchitectonic mapping study. *Neuropsychologia*, 49, 2592–2608.
- Uddin, L. Q., Menon, V., **Young, C. B.**, Ryali, S., Chen, T., Khouzam, A., Minshew, N. J., Hardan, A. Y. (2011). Multivariate searchlight classification of structural magnetic resonance imaging in children and adolescents with Autism. *Biological Psychiatry*, 70, 833–841.
- Fang, D. Z., **Young, C. B.**, Golshan, S., Fellows, I., Moutier, C., & Zisook, S. (2010).

Depression in premedical undergraduates: A cross-sectional survey. *The Primary Care Companion to the Journal of Clinical Psychiatry*, 12.

**Young, C. B.**, Fang, D. Z., & Zisook, S. (2010). Depression in Asian-American and Caucasian undergraduate students. *Journal of Affective Disorders*, 125, 379–382.

\* These authors contributed equally.

## POSTERS/PRESENTATIONS

Hoch, V. L., Damme, K. S., **Young, C. B.**, & Nusslock, R. (2016, May). *Individuals with elevated reward sensitivity display reduced cortical thickness in the medial orbitofrontal cortex and anterior cingulate cortex*. Poster will be presented at the annual meeting of the Association of Psychological Science, Chicago IL, USA.

Taylor, R. L., Damme, K. S., **Young, C. B.**, & Nusslock, R. (2016, May). *Elevated depressive symptoms associated with increased white matter integrity in the uncinate fasciculus*. Poster will be presented for publication at the annual meeting of the Association of Psychological Science, Chicago IL, USA.

**Young, C. B.**, Raz, G., Everaerd, D., Beckmann, C. F., Tendolkar, I., Hendler, T., Fernández, G., & Hermans, E. J. (2015, October). *Dynamic shifts in large-scale brain network balance in response to acute stress*. Poster presented at the annual meeting of the Society for Neuroscience, Chicago IL, USA.

Damme, K. S. F., **Young, C. B.**, & Nusslock, R. (2015, October). *Cortico-striatal and amygdala-striatal structural connectivity uniquely relates to risk for bipolar disorder*. Poster presented at the annual meeting of the Society for Neuroscience, Chicago IL, USA.

Damme, K. S. F., **Young, C. B.**, & Nusslock, R. (2015, May). *Cortico-striatal tractography associated with elevated hypomanic symptoms*. Poster presented at the annual meeting of the Society of Biological Psychiatry, Toronto Ontario, Canada.

Damme, K. S. F., **Young, C. B.**, & Nusslock, R. (2015, April). *Amygdala-striatal tract integrity uniquely related to depression symptoms*. Poster presented at the annual meeting of the Wisconsin Symposium on Emotion, Madison WI, USA.

Damme, K. S. F., **Young, C. B.**, & Nusslock, R. (2014, September). *Mood and morphology: The relationship between striatal volume, cortico-striatal white matter integrity, and mood symptomology*. Poster presented at the annual meeting of the Society for Research in Psychopathology, Evanston IL, USA.

**Young, C. B.**, Nusslock, R., Keller, J., Chen, T., Schatzberg, A. F., & Menon, V. (2014, June). *Anhedonia and general distress show dissociable connectivity of ventromedial prefrontal cortex*. Talk and Poster presented at the annual meeting of the Organization for Human Brain Mapping, Hamburg, Germany.

**Young, C. B.**, Nusslock, R., Keller, J., Chen, T., Schatzberg, A. F., & Menon, V. (2014, May). *Anhedonia and general distress show dissociable connectivity of ventromedial prefrontal cortex*. Poster presented at the annual meeting of the Society of Biological Psychiatry, New York City NY, USA.

**Young, C. B.**, Rauf, M., Shi, S., Parrish, T. B., & Nusslock, R. (2013, September). *The effect of positive mood on neural regions involved in reward processing and executive functioning*. Poster presented at the annual meeting of the Society for Research in Psychopathology, Oakland CA, USA.

Anand, D., **Young, C. B.**, Treadway, M. T., & Nusslock, R. (2013, September). *Effect of*

- cognitive vulnerability and personality on reward motivation*. Poster presented at the annual meeting of the Society for Research in Psychopathology, Oakland CA, USA.
- Young, C. B.**, Rauf, M., Shi, S., Parrish, T. B., & Nusslock, R. (2013, June). *Neuroplastic effects of goal-directed mood and bipolar symptoms on reward and executive function*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Seattle WA, USA.
- Nusslock, R. **Young, C. B.**, Pornpattananangkul, N., Hu, X., Parrish, T. B., & Reynolds, E. (2013, May). *Abnormalities in reward-related brain activity in subsyndromal bipolar disorder*. Talk presented at the annual meeting of the Society of Biological Psychiatry, San Francisco CA, USA.
- Young, C. B.**, Rauf, M., Shi, S., Parrish, T. B., & Nusslock, R. (2013, May). *The effect of goal-directed mood and mood symptoms on brain regions subserving reward and executive function*. Poster presented at the annual meeting of the Society of Biological Psychiatry, San Francisco CA, USA.
- Qin, S., **Young, C. B.**, Duan, X., & Menon, V. (2011, November). *Increased intrinsic functional connectivity of amygdala in young children with high levels of anxiety-depression*. Poster presented at the annual meeting of the Society for Neuroscience, Washington DC, USA.
- Cho, S., Metcalfe, A., **Young, C.**, Kondos, L., Geary, D., & Menon, V. (2011, June). *Heterogeneous hippocampal response and connectivity associated with children's math fact retrieval*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City Quebec, Canada.
- Uddin, L., Ryali, S., **Young, C.**, Chen, T., Khouzam, A., Minshew, N., Hardan, A., & Menon, V. (2011, June). *Multivariate classification of structural MRI in children with autism*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City Quebec, Canada.
- Qin, S., **Young, C.**, & Menon, V. (2011, June). *Development of differentiation in amygdalar subregional functional connectivity in young children*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec, Canada.
- Young, C.**, Wu, S., & Menon, V. (2011, June). *Neurodevelopmental origins of math anxiety*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City Quebec, Canada.
- Cho, S., **Young, C.**, Geary, D., & Menon, V. (2010, June). *Longitudinal changes in brain activity related to maturation of children's mental arithmetic skills*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
- Rosenberg-Lee, M., **Young, C.**, Tenison, C., Geary, D., & Menon, V. (2010, June). *Neural correlates of developmental dyscalculia in children: Univariate and multivariate analysis*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
- Young, C. B.**, Fang, D. Z., Polich, J., & Zisook, S. (2009, June). *Depression and burnout in Asian American and Caucasian undergraduate students*. Poster presented at the annual meeting of the University of California, San Diego Psychology Honors Poster Session, La Jolla CA, USA.
- Young, C. B.**, Manwani, P., Kim, S., & Yang, T. (2009, June). *The brain and depression: Understanding adolescent depression via fMRI*. Presented at the annual meeting of the Faculty Mentor Program Research Symposium, La Jolla CA, USA.
- Young, C. B.**, & Zisook, S. (2009, May). *Depression and burnout in undergraduate students*. Presented at the annual meeting of the Stanford Undergraduate Psychology

Conference, Stanford CA, USA.

**Young, C. B., & Zisook, S.** (2009, May). *Depression and burnout in undergraduate students*. Presented at the annual meeting of the University of California, San Diego Undergraduate Research Conference, La Jolla CA, USA.

## **CLINICAL EXPERIENCE**

September 2016 – Current	Family Systems Therapy Team, The Family Institute, Supervisor: Jay Lebow, Ph.D., LMFT, ABPP
September 2015 – August 2016	Dialectical Behavior Therapy Team, The Family Institute, Supervisor: Michael Maslar, Psy.D.
September 2013 – August 2014	Depression Cognitive Behavioral Therapy Team, The Family Institute, Supervisor: Paula Young, Ph.D.
June 2013 – August 2014	Anxiety Cognitive Behavioral Therapy Team, The Family Institute, Supervisor: Paula Young, Ph.D.
September 2012 – September 2013	Assessment Team, The Family Institute, Supervisor: Rick Zinbarg, Ph.D.

## **TEACHING EXPERIENCE**

Fall 2016	Teaching Assistant, Research Methods, Northwestern University
Fall 2015	Teaching Assistant, Introduction to Neuroscience, Northwestern University
Spring 2015	Laboratory Demonstration, Neurobiology of (Mal)Adaptation, Radboud Universiteit
Winter 2013	Teaching Assistant, Cognitive Psychology, Northwestern University
Spring 2012	Teaching Assistant, Special Topics in Psychology: Schools of Psychotherapy, Northwestern University
Winter 2012	Teaching Assistant, Psychopathology, Northwestern University
Fall 2011	Teaching Assistant, Statistical Methods in Psychology, Northwestern University