

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

Date Prepared: 3/3/2017

Name: Lauren Franz M.B.Ch.B., M.P.H.

Primary academic appointment:

Assistant Professor in the Department of Psychiatry and Behavioral Sciences

Division of Child and Family Mental Health and Developmental Neuroscience

Secondary academic appointment:

Assistant Research Professor in the Duke Global Health Institute

Medical Licensure: North Carolina License #2014-01571

Date of License: 04/25/2015

Citizen of: United States

<u>Education:</u>	<u>Institution</u>	<u>Date</u>	<u>Degree</u>
High School	Hillcrest High School Durban, South Africa	1995	H.S. Diploma
Graduate or Professional School	Stellenbosch University Medical School Cape Town, South Africa	2002	M.B.Ch.B
Graduate or Professional School	Emory University Rollins School of Public Health Atlanta, GA	2005	MPH

Professional training and academic career:

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Katatura State Hospital Windhoek Namibia	Intern	2003
Manguzi Hospital KwaZulu-Natal, South Africa	Community service medical doctor	2004
Fish Hoek Hospital, Cape Town, South Africa	General practitioner	2005
Hottentots Holland Hospital Cape Town, South Africa	General practitioner	2005
Rosch Pinah, Namibia	General practitioner	2005
Various private hospitals United Kingdom	Resident medical officer	2005-2007
Emory University Department of Psychiatry and Behavioral Sciences Atlanta, Georgia	Research assistant	2005-2007

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Duke University Medical Center Durham, North Carolina	Intern	2007-2008
Duke University Medical Center Durham, North Carolina	Psychiatry resident	2008-2014
Duke University Medical Center Durham, North Carolina	Child and adolescent psychiatry fellow	2009-2012
Duke University Medical Center Durham, North Carolina	Child psychiatry chief resident of research and education	2011-2012
Center for Developmental Epidemiology Duke University Durham, North Carolina	Research fellow	2008-2014
Hubert Yeargan Center for Global Health Duke University Medical Center Durham, North Carolina	Global health fellow	2009-2014
National Institute of Health	Fogarty global health NIH fellow	2013-2014
Duke University Medical Center Department of Psychiatry and Behavioral Sciences Division of Child and Family Mental Health and Developmental Neuroscience	Assistant Professor	2014-present
Duke Global Health Institute	Assistant Research Professor	2014-present

Publications: (Peer Reviewed)

1. Compton MT, Carter T, Bergner E, Franz L, Stewart T, Trotman H. Defining, operationalizing, and measuring the duration of untreated psychosis: Advances, limitations, and future directions. *Early Intervention in Psychiatry* 2007; 1: 236-250.
2. Compton MT, Leiner AS, Bergner E, Chein VH, Franz L, Goulding SM, Trotman H. Prevalence, factorial structure, and clinical correlates of first rank symptoms in urban, African American patients with first-episode non-affective psychosis. *Clinical Schizophrenia and Related Psychoses* 2008; 2(1): 59-69.
3. Bergner E, Leiner AS, Carter T, Franz L, Thompson N, Compton MT. The period of untreated psychosis before treatment initiation: A qualitative study of family members' perspectives. *Comprehensive Psychiatry* 2008; 49:530-536.
4. Lee J, Franz L, Goforth HW. Serotonin syndrome in a chronic-pain patient receiving concurrent methadone, ciprofloxacin, and venlafaxine. *Psychosomatics*. Nov-Dec 2009;50(6):638-639.
5. Goulding SM, Franz L, Bergner E, Compton MT. Social functioning in urban, predominantly African American, socially disadvantaged patients with first-episode non-affective psychosis. *Schizophrenia research*. Jun 2010;119(1-3):95-100.
6. Franz L, Carter T, Leiner AS, Bergner E, Thompson NJ, Compton MT. Stigma and treatment delay in first-episode psychosis: a grounded theory study. *Early intervention in psychiatry*. Feb 2010;4(1):47-56.
7. Deepmala D, Franz L, Aponte C, Agrawal M, Jiang W. Identification of provider characteristics influencing prescription of analgesics: a systematic literature review. *Pain Practice : the official journal of World Institute of Pain*. Nov 16 2012.
8. Franz L, Costello EJ, Copeland W, Towe-Goodman N, Angold A, Egger HL. Preschool anxiety disorders in pediatric primary care: prevalence and comorbidity. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2013; 52 (12): 1294-1303.

9. Towe-Goodman N, Franz L, Copeland W, Angold A, Egger HL. The family impact of preschool anxiety disorders. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2014; 53 (4): 437-446.
10. Maselko J, Sikander S, Bhalotra S, Bangash O, Ganga N, Mukherjee S, Egger H, Franz L, Bibi A, Liaqat R, Kanwal M, Abbasi T, Noor M, Ameen N, Rahman A. Impact of an early perinatal depression intervention on longer-term child development outcomes. *Lancet Psychiatry*, Published online June 3, 2015.
11. Zucker N, Copeland W, Franz L, Carpenter K, Keeling L, Angold A, Egger H. Psychological and Psychosocial Impairment in Preschoolers with Selective Eating. *Pediatrics*. Published online August 3, 2015.
12. Masleko J, Sikander S, Bangash O, Bhalotra S, Franz L, Ganga N, Rajan DG, O'Donnell K, Rahman A. Child mental health and maternal depression history in Pakistan. *Soc Psychiatry Psychiatr Epidemiology*, Published online November 11, 2015.
13. Dawson G, Sun JM, Davlantis KS, Murias M, Franz L, Troy J, Simmons R, Sabatos-DeVito M, Durham R, Kurtzberg J. (in press). Autologous cord blood infusions are safe and feasible in young children with Autism Spectrum Disorder: Results of a single center Phase I Open Label Trial. *Stem Cell Translational Medicine*.
14. Franz L, Chambers N, von Isenburg M, de Vries PJ. (in press). Autism Spectrum Disorder in Sub-Saharan Africa: a Comprehensive Scoping Review. *Autism Research*.

Chapters in books:

Franz, L. & Thrall, G (2009). Educational Review Manual in Psychiatry. 6th Edition. In K.R.R. Krishnan (Ed.). *Somatic Treatments*. Castle Connolly Graduate Medical Publishing.

Non-authored publications: (Faculty member formally acknowledged in the publication for her contributions.)

1. The first episode of psychosis: A guide for patients and their families (2009). *Fighting Stigma*. pp. 156-164. New York, NY. Oxford University Press.
2. Carpenter KLH, Angold A, Chen NK, Copeland WE, Guar P, Pelphrey KA, Song AW, Egger HL. Preschool anxiety disorders predict different patterns of amygdala-prefrontal connectivity at school-age. *PLoS One*. 2015; 10 (1): 1-24.

Presentations:

1. Preschool anxiety disorders: from epidemiology to neural substrates. October 2, 2010 North Carolina Psychiatric Association Annual Meeting Wrightsville Beach, North Carolina.
2. Infant mental health training: early psychopathology in very young children. co-presenter with Helen Link Egger. June 28, 2011. Charlotte North Carolina, Continuing Medical Education workshop.
3. Snug in the scanner: a pilot study of stress reactivity in young children during a mock scan desensitization. Franz L, Angold A, Towe-Goodman N, Granger D, Egger H. Poster presented at the American Academy of Child and Adolescent Psychiatry conference in Toronto Canada, 2011.
4. Symposium on early childhood emotional disorders. Egger H, Franz L, Fuchs S, Klein A, Otto Y, von Klitzing K, Gleason MM. World Infant Mental Health Conference. Cape Town, South Africa 2012.
5. Rates and outcomes of early childhood mental health disorders. Presentation at the Pre-Congress of the World Infant Mental Health Conference. Cape Town, South Africa 2012
6. Time to broaden the focus? Presentation at the Global Health Showcase. Duke Global Health Institute. Durham. North Carolina. November 2012.
7. The KwaZulu-Natal Autism Study. Poster presentation at the Global Health Showcase. Duke Global Health Institute. Durham. North Carolina. November 2012.
8. Invited participant: Consultation on Autism Spectrum Disorders and other developmental disorders, from awareness raising to capacity building. World Health Organization Headquarters. Geneva, Switzerland. September 2013.
9. The KwaZulu-Natal Autism Study. Poster presentation at Zero to Three National Training Institute. San Antonio, Texas, December 2013.
10. Preschool Mental Health. Child Intensive Program for Advanced Practice Practitioners. Durham, NC. March 8 2014
11. Autism Spectrum Disorder Assessment and Intervention in Africa. Online Global Health Exchange lecture. Duke Global Health Institute. May 2014.
12. Autism Spectrum Disorder Assessment and Intervention in Africa. Centre for Public Mental Health monthly seminar. University of Cape Town, South Africa. June 2014.
13. Evidence based early autism intervention in low resource settings. Global Mental Health at Duke: Interactive panel of global mental health. Duke Global Health Institute. Durham, NC. February 2015.

14. Autism Spectrum Disorder Assessment and Intervention in South Africa. Global health Fogarty fellow's program orientation. National Institutes of Mental Health. July 7 2015.
15. Adapting caregiver-mediated early Autism interventions in South Africa: Contextual factors and acceptability of caregiver involvement. Franz, L., Guler, J., Seris, N., Shabalala, N., & de Vries, P.J. (2016). Paper presented at the International Meeting for Autism Research. 2016, Baltimore, MD
16. Open Label Trial of a Single Umbilical Cord Blood Infusion in Young Children with Autism: Safety & Feasibility. Dawson G, Sun JM, Davlantis KS, Murias M, Franz L, Troy J, Simmons R, Sabatos-DeVito M, Durham R, and Kurtzberg J. World Stem Cell Summit, December 2016, West Palm Beach, FL.
17. Addressing the global need for treatment of ASD: caregiver-mediated early autism intervention as an example. Presented at the Duke/Duke-NUS symposium on autism spectrum disorders: New advances in autism research. Duke-NUS Medical School. Singapore. January 2017.

Professional awards and special recognitions:

1. American Academy of Child and Adolescent Psychiatry Pilot Research Award, 2011
2. Department of Psychiatry and Behavioral Sciences Resident Research Award, Duke University, 2011
3. Zero to Three Leaders of the 21st Century Fellow, 2012-2013
4. Fogarty Global Health Fellow sponsored by the NIH, 2013-2014
5. Donald J. Cohen Fellowship Program recipient for the IACAPAP 21st World Congress, 2014
6. Selected for the 2017 Duke Leadership Development for Researchers (LEADER) Program

Memberships:

American Academy of Child and Adolescent Psychiatry
International Society for Autism Research

Teaching responsibilities including continuing education:

1. Infant mental health training: early psychopathology in very young children. June 28, 2011. Charlotte North Carolina, Continuing Medical Education workshop.
2. Introduction to child and adolescent psychiatry. First year medical students, Duke University Medical Center. 2010-2012.
3. Introduction to psychopharmacology. Clinical psychology interns, Duke University Medical Center. 2010-2012.
4. Global early childhood mental health. Global mental health lecture series. Undergraduate and graduate students, Duke Global Health Institute, Duke University Medical Center. 2012- 2014.
5. Global early childhood mental health. Global mental health lecture series. Duke psychiatry residents, Duke University Medical Center. 2012-2014.
6. Preschool Mental Health. Behavioral health intensive program for advanced practice professionals. Durham, NC. March 8, 2014.
7. Autism spectrum disorder assessment and intervention: a global perspective. Duke psychiatry residents and child and adolescent psychiatry fellows. 2015.
8. Psychiatric comorbidity and treatment approaches for adults with autism spectrum disorder. Counseling and Psychological Services, Duke University. 2016.

Areas of research interests - list:

My area of research interest lies in *early childhood cognitive and social-emotional development*, including autism spectrum disorders and other neurodevelopmental disorders, both in low and middle income countries and underserved populations in the United States. My areas of research interest include:

1. Adaptation and translation of evidence-based interventions for children with autism spectrum disorders and other neuropsychiatric disorders for use in low and middle income countries.
2. Defining a core set of globally accepted measurements and indicators of early child cognitive and social-emotional development.
3. Adaptation and translation of screening and diagnostic tools for children with autism spectrum disorders and other neurodevelopmental disorders for use in low and middle income countries.
4. Use of technology to assist in diagnosis and treatment of children with autism spectrum disorders other neurodevelopmental disorders in low and middle income countries.

External support:

Past:

1) AACAP Pilot Research Award 7/01/10-6/30/11
American Academy of Child and Adolescent Psychiatry

Snug in the scanner

A pilot study of psychophysiological parameters of mock scanner desensitization as an experimental paradigm for anxiety in young children. This was a pilot study of physiological stress reactivity before, during, and after a mock scanner desensitization in 40 elementary school age children (ages 6 to 9 years old) who were participating in our Learning about the Developing Brain fMRI Study (R01 MH081025 PI: Egger). The aims of this pilot study were (1) to extend our exploration of the neurobiological underpinnings of early onset anxiety and (2) to refine our mock scan desensitization protocols for young children.

2) Fogarty Global Health Fellow 7/01/13-6/30/14
NIH, Fogarty Center

The KwaZulu-Natal Autism Study

The KwaZulu-Natal Autism study, will focus on the largely Zulu but multi-cultural community in the province of KwaZulu-Natal, South Africa. The primary purpose of the study is to explore how best to identify Zulu children who have an autism spectrum disorder. The long term goal of this study is to lay the groundwork for a cross-cultural multicounty study of on the epidemiology of autism spectrum disorders where questions around incidence, prevalence, and causation can be addressed.

3) Duke Global Mental Health Initiative pilot grant 10/01/2014-3/31/2016
PI: Lauren Franz
Duke Global Health Institute

Caregiver Mediated Early Autism Intervention in Africa

With the support of Autism Speaks and pilot funding from the Duke Global Health Institute we will conduct research activities that will inform the adapted version of the Parent Early Start Denver Model; a caregiver mediated early autism spectrum disorder intervention, for use in an African setting

Current:

1. **K01** MH104370 08/07/2015 – 07/31/2020
PI: Lauren Franz

Primary mentor: Geraldine Dawson
NIH/NIMH

Pilot Study to Improve Access to Early Intervention for Autism in Africa

This Mentored Career Development Award will lay the foundation for a career focused on addressing two specific Grand Challenges in Global Mental Health priorities: 1) improving child access to evidence-based mental health care, and 2) reducing the duration of untreated illness by developing culturally-sensitive early interventions. The proposed research aims to assess the acceptability, feasibility, and impact of a brief caregiver-mediated early autism intervention adapted for use in a low resource setting. Data from this pilot study would inform scalable early autism intervention programs for implementation in underserved, low-resource, and low-literacy populations globally.

2) Duke Global Health Initiative pilot grant 01/01/2016-2/1/2018
PI: Lauren Franz
Duke Global Health Institute

Building a Partnership to Strengthen Children's Mental Health

Building on the existing partnership between the Duke Global Health Institute and the University of Cape Town (UCT), Franz and collaborators at UCT led by Petrus de Vries will use the pilot grant to broaden collaborative partnerships between the Duke Global Health Institute and UCT's Division of Child and Adolescent Psychiatry.