

# DUKE UNIVERSITY MEDICAL CENTER

## CURRICULUM VITAE

Date prepared: July 6, 2011

**Name:** Helen Link Egger, M.D.

**Primary Academic Appointment:** Department of Psychiatry and Behavioral Sciences

**Secondary Academic Appointment:** Department of Pediatrics (in process)

**Present Academic Rank and Title:** Associate Professor with Tenure  
Division of Child and Adolescent Psychiatry  
Associate Professor  
Pediatrics (in process)

**Date and Rank of First Duke Faculty Appointment:** July 1999 - Clinical Associate

**North Carolina Medical License:** # 01071

**Date of Birth:** January 18, 1961

**Place:** New York, New York

**Citizen of:** United States

### EDUCATION

	<b>Place</b>	<b>Date</b>	<b>Degree</b>
<b>High School</b>	Phillips Academy Andover, Massachusetts	1979	H.S. Diploma
<b>College</b>	Yale University New Haven, Connecticut	1983	B.A. in English
<b>Graduate or Professional School</b>	Yale University School of Medicine New Haven, Connecticut	1991	M.D.
	University North Carolina School of Public Health Chapel Hill, North Carolina	2000	Course work completed

Helen Egger MD, CV

## PROFESSIONAL TRAINING AND ACADEMIC CAREER

<b>Place</b>	<b>Date</b>	<b>Position</b>
Memorial Sloan Kettering Cancer Center New York, New York	1985-1986	Research Assistant
Research sponsored by Al Solnit, M.D. & Linda Mayes, M.D. Yale Child Study Center New Haven, Connecticut	1989-1992	Research Assistant
Georgetown University Medical Center Washington, District of Columbia	1992-1993	Intern
Duke University Medical Center Durham, North Carolina	1993-1996	Adult Psychiatry Resident
Duke University Medical Center Durham, North Carolina	1996-1999	Child and Adolescent Psychiatry Fellow
Robert Wood Johnson Core Curriculum in Epidemiology and Biostatistics University of North Carolina Chapel Hill, North Carolina	1999-2000	Participant
NIMH-sponsored Postdoctoral Training Program in Mental Health Services Systems and Research & Developmental Epidemiology UNC-Chapel Hill and Duke University Medical Center Durham, North Carolina	1998-2000	Postdoctoral Fellow
Duke University Medical Center Division of Child and Adolescent Psychiatry Durham, North Carolina	1999-2000	Clinical Associate Department of Psychiatry & Behavioral Sciences
Duke University Medical Center Division of Child and Adolescent Psychiatry Durham, North Carolina	2000-2011	Assistant Professor Department of Psychiatry & Behavioral Sciences
Duke University Medical Center Duke-UNC Brain Imaging and Analysis Center (BIAC) Durham, North Carolina	2006-present	Affiliate Faculty

Helen Egger MD, CV

Duke University Medical Center Division of Child and Adolescent Psychiatry Durham, North Carolina	2011-Present	Tenured Associate Professor Department of Psychiatry & Behavioral Sciences
Duke University Medical Center Durham, North Carolina	In process	Associate Professor Department of Pediatrics
Duke University Medical Center Division of Child and Adolescent Psychiatry Durham, North Carolina	2011-Present	Head, Division of Child and Adolescent Psychiatry Department of Psychiatry & Behavioral Sciences
Duke University Medical Center Department of Psychiatry & Behavioral Sciences Durham, North Carolina	2011-Present	Director, Integrated Pediatric Mental Health Executive Leadership Team

Place	Date	Position
Duke University Medical Center Chancellor's Clinical Leadership in Academic Medicine Program (CCHAMP) Chancellor's Office Duke University Health System Durham, North Carolina	2011	Member of 2011 Class

## PUBLICATIONS

### I. REFEREED JOURNALS

1. Mayes L, Carter A, **Egger HL** & Pajer K (1991). Reflections on stillness: Mothers' reactions to the still-face situation. *Journal of the American Academy of Child and Adolescent Psychiatry*, 30:22-28.
2. **Egger HL**, Angold A & Costello EJ (1998). Headaches and psychopathology in children and Adolescents. *Journal of the American Academy of Child and Adolescent Psychiatry*, 37:951-958.
3. **HL Egger**, Costello EJ, Erkanli A, & Angold A (1999). Somatic complaints and psychopathology in children and adolescents: Stomach aches, musculoskeletal pains and headaches. *Journal of the American Academy of Child and Adolescent Psychiatry*, 38:852-860.
4. Frances A & **Egger HL** (1999). Whither psychiatric diagnosis? *Australian and New Zealand Journal of Psychiatry*, 33:161-165.
5. Angold A, Erkanli A, **Egger HL** & Costello EJ (2000). Stimulant treatment for children: A community perspective. *Journal of the American Academy of Child and Adolescent Psychiatry*, 39:975-984.

6. Compton SN, **Egger HL**, Burns BJ & Robertson E (2002). Review of the evidence base for treatment of childhood psychopathology: Internalizing disorders. *Journal of Consulting and Clinical Psychology*, 70:1240-1266.
7. Farmer EMZ, Compton SN, Burns JB, Robertson E, Burns BJ, & **Egger HL** (2002). Review of the evidence base for treatment of childhood psychopathology: Externalizing disorders. *Journal of Consulting and Clinical Psychology*, 70:1267-1302.
8. **Egger HL**, Costello EJ & Angold A (2003). School refusal and psychiatric disorders: A community study. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42:797-807.
9. Task Force on Research Diagnostic Criteria: Infancy and Preschool (2003). Research diagnostic criteria for infants and preschool children: The process and empirical support. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42:1504-1512.
10. March JS, Chrisman A, Breland-Noble A, Clouse K, D'Alli R, **Egger HL**, Gammon P, Gazzola M, Lin A, Mauro C, Rana A, Ravi H, Srirama M, Su H, Thrall G, & van de Velde P (2005). Using and teaching evidence-based medicine: The Duke University Child and Adolescent Psychiatry Model. *Child and Adolescent Psychiatry Clinics of North America*, 14:273-296.
11. Wakschlag LS, Leventhal BL, Briggs-Gowan MJ, Danis B, Keenan K, Hill C, **Egger HL**, Cicchetti D, & Carter AS (2005). Defining the "disruptive" in preschool behavior: What diagnostic observation can teach us. *Clinical Child and Family Psychology Review*, 8: 183-201.
12. Costello E J, **Egger HL**, & Angold A (2005). 10-year research update review: The epidemiology of child and adolescent psychiatric disorders. I. The public health burden. *Journal of the American Academy of Child and Adolescent Psychiatry*, 44:972-986.
13. Kratochvil CJ, **Egger HL**, Greenhill L, & McGough JJ (2005) Pharmacologic management of preschool ADHD. *Journal of the American Academy of Child and Adolescent Psychiatry*, 45:115-118.
14. Silberg SL, San Miguel VF, Murrelle EL, Prom E, Bates JE, Canino G, **Egger HL**, & Eaves LJ (2005). Genetic and environmental influences on temperament in the first year of life: the Puerto Rico Infant Twin Study (PRINTS). *Twin Research and Human Genetics*, 8:328-336.
15. **Egger HL** & Angold A (2006). Common emotional and behavioral disorders in preschool children: Presentation, nosology, and epidemiology. *Journal of Child Psychology and Psychiatry*, 47:313-317.
16. **Egger HL**, Kondo D, and Angold A (2006). The epidemiology and diagnostic issues in preschool attention-deficit/hyperactivity disorder; A Review. *Infant and Young Children*, 19:109-122.
17. **Egger HL**, Erkanli A, Keeler G, Potts E, Walter B, and Angold A (2006). The test-retest reliability of the Preschool Age Psychiatric Assessment (PAPA). *Journal of the American Academy of Child and Adolescent Psychiatry*, 45:538-549.

18. Chrisman AK, **Egger HL**, Compton SN, Goldston DB, & Curry JF (2006). Assessment of childhood depression. *Child and Adolescent Mental Health*, 11:111-116.
19. Brotman MA, Schmajuk M, Rich BA, Dickstein DP, Guyer AE, Costello EJ, **Egger HL**, Angold A, Pine DS, & Leibenluft E. (2006) Prevalence, clinical correlates, and longitudinal course of severe mood dysregulation in children. *Biological Psychiatry*, 60:991-997.
20. Beresford CA, Robinson J, Holmberg J, **Egger H**, Maximon J, Ross RG (2007). Parent- and child-based semi-structured interview results in a preschool group referred for mania symptoms *Schizophrenia Bulletin*, 33:212-213.
21. Sterba S, **Egger HL**, Angold A (2007). Diagnostic specificity and nonspecificity in the dimensions of preschool psychopathology. *Journal of Child Psychology and Psychiatry*, 48:1005–1013.
22. Angold A, **Egger HL** (2007). Preschool psychopathology: lessons for the lifespan. *Journal of Child Psychology and Psychiatry*, 48:961–966.
23. Gleason MM, **Egger HL**, Emslie GJ, et al (2007). Psychopharmacological Treatment for Very Young Children: Contexts and Guidelines. *Journal of the American Academy of Child & Adolescent Psychiatry*, 46:1532-1572.
24. Bittner A, **Egger HL**, Erkanli A, Costello EJ, Foley D, Angold A (2007). What do childhood anxiety disorders predict? *Journal of Child Psychology and Psychiatry*. 48:1174-1183.
25. Wakschlag LS, Hill C, Carter AS, Danis B, **Egger HL**, Keenan K, Leventhal BL, Cicchetti D, Maskowitz K, Burns JB, & Briggs-Gowan MJ (2008). Observational assessment of preschool disruptive behavior: Part I: Reliability of the Disruptive Behavior Diagnostic Observation Schedule (DB-DOS). *Journal of the American Academy of Child and Adolescent Psychiatry*. *Journal of the American Academy of Child and Adolescent Psychiatry*. 47:622-631.
26. Wakschlag LS, Briggs-Gowan MJ, Hill C, Danis B, Leventhal BL, Keenan K, **Egger HL**, Cicchetti D, Maskowitz K, Burns JB, & Carter AS (2008). Observational assessment of preschool disruptive behavior Part II: Validity of the Disruptive Behavior Diagnostic Observation Schedule (DB-DOS). *Journal of the American Academy of Child and Adolescent Psychiatry*. 47:632-641.
27. Willoughby MT, Angold A, **Egger HL** (2008). Parent-reported attention-deficit/hyperactivity disorder symptomatology and sleep problems in a preschool-age pediatric clinic sample. *Journal of the American Academy of Child and Adolescent Psychiatry*, 47:1086-1094.
28. Zeanah CH, **Egger HL**, Smyke AT, Nelson CA, Fox NA, Marshall PJ, Guthrie D (2009), Institutional rearing and psychiatric disorders in Romanian preschool children. *American Journal of Psychiatry*, 166: 777-85.
29. Birmaher, B, Ehmann, M, Axelson, DA, Goldstein, BI, Monk, K, Kalas, C, Kupfer, D, Gill, MK, Leibenluft, E, Bridge, J, Guyer, A, **Egger, HL**, Brent, DA (2009). Schedule for affective disorders and schizophrenia for school age children (K-SAPS-PL) for the assessment of preschool children- A preliminary psychometric study. *Journal of Psychiatric Research*, 43:680-6.

30. **Egger, HL** (2009). Psychiatric assessment of young children. *Child and Adolescent Psychiatric Clinics of North America*, 18:559-80.
31. **Egger, HL** (2010). A perilous disconnect: Antipsychotic drug use in very young children. *Journal of the American Academy of Child and Adolescent Psychiatry*, 49:3-6.
32. Sterba SK, Copeland W, **Egger HL**, Jane Costello E, Erkanli A, Angold A (2010). Longitudinal dimensionality of adolescent psychopathology: testing the differentiation hypothesis. *Journal of Child Psychology and Psychiatry*. 51:871-884.
33. Drury SS, Theall KP, Smyke AT, Keats BJ, **Egger HL**, Nelson CA, Fox NA, Marshall PJ, Zeanah CH (2010). Modification of depression by COMT val158met polymorphism in children exposed to early severe psychosocial deprivation. *Child Abuse and Neglect*. 34(6):387-95
34. **Egger, HL**, Emde, RN (2011). Developmentally-sensitive diagnostic criteria for mental health disorders in early childhood: DSM-IV, RDC-PA, and the Revised DC: 0-3. *The American Psychologist*. 66(2):95-106.
35. Gleason MM, Nelson C, Fox N, **Egger HL**, Drury S, Zeanah C (2011). The validity of evidence-derived criteria for reactive attachment disorder I: Indiscriminate/disinhibited form. *Journal of the American Academy of Child & Adolescent Psychiatry*. 50(3): 216-231.
36. **Egger HL**, Pine DS, Nelson E, Leibenluft E, Ernst M, Towbin KE, Angold A (in press) The NIMH Child Emotional Faces Picture Set (NIMH-ChEFS): A new set of children's facial emotion stimuli. *The International Journal of Methods in Psychiatric Research*.
37. **Egger HL**, Erkanli A, Angold A (under review). Retest reliability and screening properties of the parent Strength and Difficulties Questionnaire in preschoolers. *Journal of Child Psychology & Psychiatry*.
38. **Egger, HL**, A, Angold A (revision under review). Preschool Temper Tantrums and Early Childhood Mental Health. *Pediatrics*.
39. Wichstrøm, L, Berg-Nielsen, T, Angold, A, **Egger, HL**, Solheim, E, Sveen, T (under review). Prevalence and correlates of psychiatric disorders in preschoolers.
40. Angold, A, Costello EJ, Copeland, W, **Egger, HL** (under review). Outcomes of preschool psychopathology four and six years later.
41. **Egger, HL**, Pelphrey, KA, Gaur, P, Perlman, S, Crozier, J, Angold, A (under review). Anxious Preschoolers Four Years Later: Distinct Neural Patterns in Response to Emotional Faces.
42. **Egger, HL**, Egger, D, Erkanli, A, Sung, M, Angold, A (in preparation). Visual scan paths in a representative sample of preschoolers.

## II. CHAPTERS IN BOOKS

1. Burns BJ, Compton SN, **Egger HL** & Farmer EMZ (2002). The evidence for psychosocial and psychopharmacological interventions for selected childhood disorders. In BJ Burns & K Hoagwood (Eds.): *Community Treatment for Youth: Evidence-Based Interventions for Severe Emotional and Behavioral Disorders*. New York, New York: Oxford University Press.
2. **Egger HL** & Angold A (2004). The Preschool Age Psychiatric Assessment. In R. DelCarmen-Wiggens and A. Carter (Eds.): *A Handbook of Infant and Toddler Mental Health Assessment*. New York, New York: Oxford University Press.
3. Angold A & **Egger HL** (2004). Psychiatric diagnosis in preschool children. In R. DelCarmen-Wiggens & A Carter (Eds.): *A Handbook of Infant and Toddler Mental Assessment*. New York, New York: Oxford University Press.
4. **Egger HL** & Burns BJ (2004). Anxiety disorders and access to mental health services. In T Ollendick & J March (Eds.): *Phobic and Anxiety Disorders in Children and Adolescents*. New York, New York: Oxford University Press.
5. Costello EJ, **Egger HL** & Angold A (2004). The developmental epidemiology of anxiety disorders. In T Ollendick & J March (Eds.): *Phobic and Anxiety Disorders in Children and Adolescents*. New York, New York: Oxford University Press, pp. 61-91.
6. Costello EJ, **Egger HL**, & Angold A (2005). Physical and psychiatric illness: A life course perspective. In W. Eaton (Ed.): *Medical and Psychiatric Comorbidity over the Course of Life*. Arlington, Virginia: American Psychiatric Publishing, Inc.
7. Costello EJ, **Egger HL**, & Angold A (2005). Developmental epidemiology of anxiety disorders. In S. Swedo and D. Pine (Eds.): *Child and Adolescent Anxiety Disorders*. Elsevier, 14:631-648.
8. **Egger HL** & Angold A (2006) Preschool Anxiety Disorders. in J. Luby (Ed.): *Preschool Mental Health: a Guide for Practitioners*. Guilford.
9. Angold A, **Egger HL**, & Carter A (2007). The Measurement of Psychopathology in Children under the Age of Six. In Narrow W, First M, Sirovatka P, & Regier D (Eds.): *Medical and Psychiatric Comorbidity over the Course of Life*. Arlington, Virginia: American Psychiatric Publishing, Inc.
10. Angold A, Costello EJ, **Egger HL** (2007). Diagnostic Assessment: Structured Interviewing. In Martin & Volkmar (Ed.): *Lewis's Child and Adolescent Psychiatry: A Comprehensive Textbook*. Philadelphia: Lippincott Williams & Wilkins, pp. 344-356.
11. **Egger HL** (2009). Toddler with Temper Tantrums: A careful assessment of a dysregulated preschool child. In: *DSM-IV-TR Casebook and Treatment Guide for Child Mental Health.*, Galanter CA, Jensen PS, (Eds.): Arlington, VA: American Psychiatric Publishing, pp 365-370.
12. **Egger HL** & Angold A (2009). Classification of Psychopathology in Early Childhood. In C. Zeanah (Ed): *Handbook of Infant Mental Health (3<sup>rd</sup> Edition)*. New York: Guilford, pp. 285-300.

13. **Egger HL** (2009). Psychiatric Assessment of Preschool Children. In Sadock BJ, Sadock VA, & Ruiz P (Eds.): *Kaplan & Sadock's Comprehensive Textbook of Psychiatry*. Philadelphia: Lippincott Williams & Wilkins.
14. Costello EJ, **Egger HL**, Erkanli A, Angold A (2009). The developmental epidemiology of anxiety disorders: Phenomenology, prevalence, and comorbidity. In: Silverman W and Field A (Eds.): *Anxiety Disorders in Children and Adolescents: Research, Assessment and Intervention*. Cambridge: Cambridge University Press.

### III. OTHER PUBLICATIONS

#### A. Measure development

1. **Egger HL**, Ascher BH, & Angold A (1999, 2001, 2004) The Preschool Age Psychiatric Assessment (PAPA). Duke University Medical Center: Durham, North Carolina. The PAPA is the first comprehensive parent-report psychiatric interview about children ages 2-5 years. The PAPA is translated into French, German, Italian, Norwegian, Romanian, and Spanish and used in numerous epidemiologic and clinical studies in the United States and abroad. In 2006, I catalyzed the development of the eMeasures system, a dynamic web-based application for generating, administering, and coding the PAPA (ePAPA) and our interviews for older children (eCAPA) and young adults (eYAPA).
2. Wakschlag LS, Leventhal BL, Danis B, Keenan K, Hill C, **Egger HL**, & Carter AS (unpublished). *Manual for Disruptive Behavior Diagnostic Observational Schedule*. University of Chicago: Chicago, Illinois. The DB-DOS is a diagnostic observation schedule for assessing the full range of disruptive behavior in preschoolers. It includes the Parent-Child Observational Assessment (P-COS), an assessment of parent-child interactions and parent and child affect.

#### B. Practice guidelines, diagnostic criteria, and reports

1. Work Group on Eating Disorders, Steering Committee on Practice Guidelines (2000). *Practice Guidelines for the Treatment of Patients with Eating Disorders*. Washington, District of Columbia: American Psychiatric Association.
2. Burns BJ, Compton SN, **Egger HL**, & Farmer EMZ (2000). *An annotated review of the evidence base for psychosocial and psychopharmacological interventions for children with attention-deficit/hyperactivity disorder, major depressive disorder, disruptive behavior disorders, anxiety disorders, and posttraumatic stress disorder*. Report prepared under contract from National Institute on Drug Abuse and National Institute of Mental Health for conference on Assessing the Impact of Childhood Interventions on Subsequent Drug Abuse.
3. APA Task Force on Quality Indicators (2002). *Quality Indicators: Defining and Measuring Quality in Psychiatric Care for Adults and Children*. Washington, District of Columbia: American Psychiatric Association.
4. Taskforce on Research Diagnostic Criteria (2004). *Research Diagnostic Criteria for Infants and Preschool Children*.
5. Costello EJ, Angold A, & **Egger HL** (2004). Epidemiology of child and adolescent depression. Review paper prepared under contract from National Institute of Mental Health for the Workshop on Preventing Depression in Children and Adolescents.



6. Zero to Three. *Diagnostic Classification: 0-3 Revised (DC: 0-3R) (2005)*. Zero to Three Press, Washington, District of Columbia.
7. Guidelines for use of psychotropic medication with children under the age of 6 (2008). Florida Best Practice Medication Child/Adolescent Guidelines. Medicaid Drug Therapy Management Program for Behavioral Health. University of South Florida, Tampa, Florida. [http://flmedicaidbh.fmhi.usf.edu/recommended\\_child\\_guidelines.htm](http://flmedicaidbh.fmhi.usf.edu/recommended_child_guidelines.htm)

### C. Peer-reviewed abstracts

1. Gaur P, **Egger HL**, and Chen NK. (2010). Assessment and improvement of fMRI normalization based on inversion-recovery prepared high-resolution EPI. International Society for Magnetic Resonance in Medicine Annual Meeting.
2. Gaur P, **Egger HL**, Angold A, Chen NK. (submitted). High resolution intrinsic connectivity network mapping of functional subdivisions of amygdala. International Society for Magnetic Resonance in Medicine Annual Meeting 2011.

### PRESENTATIONS

1. **Egger, HL** (1997). *The Physician-Patient Relationship: What's Essential?* Discussant. Symposium. Presented at the 150<sup>th</sup> American Psychiatric Association Annual Meeting, San Diego, California.
2. **Egger HL**, Angold A, & Costello EJ (1999). *The Preschool Age Psychiatric Assessment (PAPA)*. Poster. Presented at the Washington University/NIMH conference on Assessing Risk Factors and Psychopathology in Young Children, Clearwater Beach, Florida.
3. Angold A, **Egger HL** & Costello EJ (1999). *Data from Parents: Lessons from the ongoing development of the Preschool Age Psychiatric Assessment (PAPA)*. Invited presentation. Washington University/NIMH Conference on Assessing Risk Factors and Psychopathology Among Young Children, Clearwater Beach, Florida.
4. **Egger HL** & Angold A (1999). *An Epidemiological Perspective on Somatic Complaints and Psychopathology in Children and Adolescents: The Association of Headaches, Stomach-Aches, and Musculoskeletal Pains with Psychiatric Disorders*. Symposium. Presented at the 9<sup>th</sup> Scientific Meeting of the International Society for Research in Child and Adolescent Psychopathology, Barcelona, Spain.
5. **Egger HL** (1999). *The Science of Psychopharmacology: What We Know About Pharmacologic Effectiveness in Children's Mental Health Treatment?* Invited presentation to the Committee on Improving Practice, The National Resource Network for Child and Family Mental Health Services, Sponsored by the Washington Business Group on Health and the Center for Mental Health Services, Washington, District of Columbia.
6. **Egger HL** & Angold A (2000). *New Tools for Assessment of Psychopathology in Preschoolers*. Symposium. Presented at the 153<sup>rd</sup> American Psychiatric Association Annual Meeting, Chicago, Illinois.

7. **Egger HL** (2000). *Maternity Leave during Psychiatry Residency Training*. Symposium. Presented at the 153<sup>rd</sup> American Psychiatric Association Annual Meeting, Chicago, Illinois.
8. **Egger HL & Angold A** (2002). *Preschool Psychopathology*. Invited presentation. Center for Developmental Science, University of North Carolina, Chapel Hill, North Carolina.
9. **Egger HL & Angold A** (2002). *Preschool ADHD: Diagnostic Challenges*. Symposium. Presented at the 155<sup>th</sup> American Psychiatric Association Annual Meeting, Philadelphia, Pennsylvania.
10. **Egger HL & Angold A** (2002). *Preschool Psychopathology: New Findings*. Invited presentation. Zero to Three meeting, Chicago, Illinois.
11. **Egger HL & Angold A** (2002). *Depression in Young Children*. Institute. Presented at the 49<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, San Francisco, California.
12. **Egger HL** (2003). *Preschool Psychopathology: Diagnostic Challenges, New Findings*. Invited presentation for the Developmental Psychobiology Research Group, University of Colorado Health Sciences Center, Denver, Colorado.
13. **Egger HL** (2003). *The Preschool Age Psychiatric Assessment (PAPA)*. Invited presentation at the NIMH sponsored conference on Young Child Assessment: Measurement and Approaches for Mental Health, A Research Roundtable, Washington, District of Columbia.
14. **Egger HL** (2003). *Preschool Mental Health: New Findings*. Invited presentation at the Developmental Epidemiology Center meeting, Richmond, Virginia.
15. **Egger HL** (2003). *The Preschool Age Psychiatric Assessment (PAPA)*. Workshop. Presented at the 50<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Miami, Florida.
16. **Egger HL** (2003). *Temper Tantrums and Preschool Mental Health*. Symposium. Presented at the 50<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Miami, Florida.
17. **Egger HL** (2003). *Preschool Mental Health*. Invited presentation. Grand Rounds, Children's Psychiatric Institute, Butner, North Carolina.
18. **Egger HL & Angold A** (2003). *Preschool Psychopathology: Measurement and Nosology*. Symposium. Presented at the 11<sup>th</sup> Scientific Meeting of the International Society for Research in Child and Adolescent Psychopathology, Sydney, Australia.
19. **Egger HL** (2004). *Temper Tantrums and Preschool Mental Health*. Invited presentation. Grand Rounds, Department of Pediatrics, Duke University Medical Center, Durham, North Carolina.
20. **Egger HL** (2004). *Evaluating Psychopathology in Young Children*. Invited presentation. First Regional Child Development Conference, Institute of Child Development, Bucharest, Romania.

21. **Egger HL** (2004). *Stressful Life Events and Post-Traumatic Stress Disorder in Preschool Children*. Symposium. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.
22. **Egger HL** (2004). *Irritability and Preschool Mental Health*. Symposium. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.
23. **Egger HL & Angold A** (2004). *Internalizing Disorders and Emotion Regulation in Preschoolers*. Institute. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.
24. **Angold A & Egger HL** (2004). *Preschool Psychopathology: Syndrome Prevalence and Comorbidity*. Institute. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.
25. **Kondo D, Angold A & Egger HL** (2004). *Epidemiology of Preschool ADHD*. Symposium. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.
26. **Egger HL & Angold A** (2005). *Temper Tantrums and Preschool Mental Health*. Invited presentation. Academic Teaching Conference, Judge Baker Children's Center, Boston, Massachusetts.
27. **Egger HL & Zeanah C** (2005). *Bucharest Early Intervention Project: Psychiatric Disorders at 54 months*. Presented at the Society for Research in Child Development Meeting, Atlanta, Georgia.
28. **Egger HL & Angold A** (2005). *Temper Tantrums and Preschool Mental Health*. Invited presentation. Taghi Modarressi Memorial Lecture, University of Maryland, Baltimore, Maryland.
29. **Egger HL & Angold A** (2005). *Preschool Mental Health*. Invited presentation. Grand Rounds, Department of Psychiatry and Behavioural Sciences, Duke University Medical Center, Durham, North Carolina.
30. **Egger HL & Angold A** (2005). *Epidemiology and Nosology of ADHD in Preschool Children*. Invited presentation. PAS Mini Course. Pediatric Academic Societies' Annual Meeting, Washington, District of Columbia.
31. **Egger HL** (2005). *Diagnostic Classification: 0-3R: Key Changes*. Invited presentation. Scientific Meeting, Zero to Three, Washington, District of Columbia.
32. **Egger HL & Angold A** (2005). *Preschool Mental Health*. Invited presentation. Grand Rounds, Research Consortium on Children and Families, University of South Carolina, Columbia, South Carolina.
33. **Egger HL & Angold A** (2005). *Psychiatric Impairment in Preschool Children*. Symposium. Presented at the 158<sup>th</sup> American Psychiatric Association Annual Meeting, Atlanta, Georgia.
34. **Egger HL & Angold A** (2005). *Anxiety Disorders in Preschool Children*. Symposium. Presented at the 52<sup>nd</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Toronto, Canada.

35. **Egger HL & Angold A (2005).** *The Epidemiology of Stressful Life Events and Preschool Mental Health.* Symposium. Presented at the 52<sup>nd</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Toronto, Canada.
36. **Egger HL & Angold A (2005).** *Irritability and Preschool Mental Health.* Symposium. Presented at the 12<sup>th</sup> Scientific Meeting of the International Society for Research in Child and Adolescent Psychopathology, New York, New York.
37. **Egger HL & Angold A (2005).** *Preschool Mental Health.* Invited presentation. Fall Symposium of the Virginia Council of the American Academy of Child and Adolescent Psychiatry, Richmond, Virginia.
38. **Egger HL & Krawchuk LR (2005).** *Nurturing Children: Coping with Chronic Illness.* Invited presentation. Multiple Sclerosis Society Annual Meeting, Orlando, Florida.
39. **Egger HL (2006).** *Traumatic Life Events and Preschool Mental Health.* Invited presentation. Grand Rounds, Uniformed Services University of the Health Sciences, Department of Psychiatry and Walter Reed Army Medical Center, Department of Psychiatry, Walter Reed Hospital, Bethesda, Maryland.
40. **Egger HL (2006).** *Distinguishing Between Normative and Clinically Significant Behavior in Preschool Children.* Invited presentation. Walter Reed Army Medical Center, Department of Psychiatry, Bethesda, Maryland.
41. **Egger HL (2006).** *The K Award and Beyond: Training, Mentors, and Ideas.* NIMH Workshop for Emerging Research Investigators in Pediatric Mental Health. Invited presentation. National Institute of Mental Health, Bethesda, Maryland.
42. **Egger HL (2006).** *Duke Preschool Psychiatric Clinic: Assessment of Preschool Anxiety Disorders.* Institute. Presented at the 53<sup>rd</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, San Diego, California.
43. **Egger HL (2006).** *Depression at 54 Months in Institutionalized Romanian Children.* Symposium. 10<sup>th</sup> World Infant Mental Health Conference, Paris, France.
44. **Egger HL (2006).** *Diagnostic Classification: 0-3 Revised: Key Changes.* Plenary address. 10<sup>th</sup> World Infant Mental Health Conference, Paris, France.
45. **Egger HL (2006).** *Anxiety Disorders in Preschool Children.* Invited presentation. Grand Rounds, University of North Carolina Greensboro, Greensboro, North Carolina.
46. **Egger HL (2007).** *Anxiety Disorders in Preschool Children.* Invited presentation. Division of Child Neuropsychiatry, Scientific Institute Stella Maris, University of Pisa, Pisa, Italy.
47. **Egger HL (2007).** *Diagnosis of Psychiatric Disorders in Very Young Children: Where We Are, Where We Are Going.* Invited presentation. Plenary Session, International Conference on Infant Mental Health, Pisa, Italy.
48. **Egger HL (2007).** *Psychiatric Disorders in Young Children: What We Know, What We Need to Know.* Invited presentation. National Council of the Developing Child, San Francisco, California.

49. **Egger HL** & Angold A (2007). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, NYU Child Study Center, New York, New York.
50. **Egger HL** & the Bucharest Early Intervention Core Group (2007). *Psychiatric Symptoms and Disorders: Effects of Institutional Care and Foster Care*. Symposium. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.
51. **Egger HL** & Angold A (2007). *Neuroimaging of Preschool Anxiety Disorders*. Symposium. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.
52. **Egger HL** (2007). *Preschool Psychopharmacology: Evidence and Perspectives on Preschool Anxiety Disorders*. Institute. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.
53. **Egger HL** (2007). *Assessment and Diagnosis of Psychiatric Disorders in Preschool Children*. Institute. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.
54. **Egger HL** (2007). *The Future of Neuroimaging: Relevance for Child Psychiatry*. Discussant of Charles Nelson's talk. Research Forum. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.
55. **Egger HL** & Angold A (2008). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, UCLA Division of Child and Adolescent Psychiatry, Los Angeles, California.
56. **Egger HL** & Angold A (2008). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, Maine Medical Center, Portland, Maine.
57. **Egger HL** & Angold A (2008). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, Children's Memorial Hospital, Northwestern University, Chicago, Illinois.
58. **Egger HL** & Angold A (2008). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, Yale Child Study Center, New Haven, Connecticut.
59. **Egger HL** (2008). *Outcomes of Preschool Psychopathology: Discussion*. Symposium, 55<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago, Illinois.
60. **Egger HL** (2008). *Outcomes of Preschool Psychopathology: Discussion*. Symposium, 55<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago, Illinois.
61. **Egger HL** (2008). *Diagnostic Assessment of a Young Child Presenting with Anxiety Symptoms*. Workshop, 55<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago, Illinois.

62. **Egger HL** (2008). *Early Childhood Mental Health Disorders: The Science and the Opportunity*. Invited presentation. *Baby Futures*, the California Endowment, Los Angeles, California.
63. **Egger, HL** and the Bucharest Early Intervention Core Group (2008). *Psychiatric Symptoms and Disorders: Effects of Institutional Care and Foster Care*. Invited presentation. Zero to Three Scientific Meeting, Washington, District of Columbia.
64. **Egger, HL** (2008). *Evidence for and Perspective on Pharmacologic Treatment of Preschool-Age Children*. Invited presentation. Expert Panel Meeting to update the Florida Best Practice Medication Child/Adolescent Guidelines. Medicaid Drug Therapy Management Program for Behavioral Health. University of South Florida, Tampa, Florida.
65. **Egger, HL** (2008). *Use of Psychotropic Medications with Young Children: Clinical Perspectives and Guidelines*. Invited Plenary Address. National Training Institute. Zero to Three. Los Angeles, California.
66. **Egger HL & Angold A** (2009). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Grand Rounds, Department of Psychiatry, Weill Medical College of Cornell, New York, New York.
67. **Egger HL & Angold A** (2009). *Depressive Disorders in Early Childhood*. Invited presentation. Mood Disorders across the Lifespan. Institute of Psychiatry, London, England.
68. **Egger HL** (2010). *The Prevalence and Impact of Medical Illness and Injury on Young Children: Perspectives from Developmental Epidemiology and Infant/Preschool Mental Health*. Invited presentation. First International Pediatric Psychological Trauma Conference, Los Angeles, California.
69. **Egger HL & Angold A** (2010) *Preschool Anxiety Disorders*. Invited presentation. Association for Psychological Sciences Annual Convention, Boston, Massachusetts.
70. **Egger HL & Angold A** (2010) *Parental Discipline, Parental Stress, and Preschool Mental Health: Data from a Community Study of Toddlers and Preschoolers*. Symposium. 57<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, New York, New York.
71. **Egger HL** (2010) *Childhood Anxiety Disorders: New Science, New Opportunities for Treatment*. Keynote Address. Yale Child Study Center Associates Meeting, New Haven, Connecticut.
72. **Egger HL & Angold A** (2010). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Cognition and Its Disorders Lecture Series. Duke Institute for Brain Sciences, Durham, North Carolina.
73. **Egger HL & Angold A** (2010). *Preschool Anxiety Disorders: From Epidemiology to Neural Substrates*. Invited presentation. Center for Developmental Science, University of North Carolina, Chapel Hill, North Carolina.

74. **Egger HL** (2011). *How Early is Early: Psychiatric Disorders in Young Children*. Invited presentation. Infant Mental Health and Development Seminar Honoring Founder of the Yale Child Study Center, Arnold Gesell. Yale Child Study Center, New Haven, Connecticut.
75. **Egger HL & Angold A** (2011). *When to Worry about Irritability in Young Children: a Translational Developmental Neuroscience Approach*. Invited presentation. Grand Rounds, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, North Carolina.
76. **Egger HL** (2011). *Preschool Mental Health: From Epidemiology to Neural Substrates*. Invited presentation. Dr. Stanley Leonard Pediatric Mental Health Lecture, 17<sup>th</sup> Annual Spring Pediatric Update, Children's Hospitals and Clinics of Minnesota, St. Paul, Minnesota.
77. **Egger HL** (2011). *Preschool Temper Tantrums: When to Worry*. Invited presentation. 17<sup>th</sup> Annual Spring Pediatric Update, Children's Hospitals and Clinics of Minnesota, St. Paul, Minnesota.

## CONSULTANT APPOINTMENTS

- Consultant on childhood psychopharmacology 1999 to 2000  
**Committee on Improving Practice**  
Business Group on Health and the Center for Mental Health Services  
Washington, District of Columbia
- Consultant childhood psychiatric impairment 2004 to 2005  
**Mental Health and Functioning in Children and Adolescents**  
Reviewed current literature on child and adolescent functioning and impairment and made recommendations to NIMH on a research agenda to address gaps  
National Institute of Mental Health  
Bethesda, Maryland
- Consultant on development of guidelines 2008  
for psychopharmacology with children under the age of 6  
**Expert Panel Meeting to update the Florida Best Practice Medication Child/Adolescent Guidelines**  
Medicaid Drug Therapy Management Program for Behavioral Health  
University of South Florida, Tampa, Florida
- Consultant for anxiety disorders center 2010 to present  
**Messer Anxiety Disorders Center**  
Yale Child Study Center  
Yale School of Medicine  
New Haven, Connecticut
- Consultant on numerous grants (selected)** 2000 to present
- Christopher Kratochvil, MD (University of Nebraska)
    - K23, Preschool ADHD
  - Eve Spratt, MD (University of South Carolina)
    - K23, Preschool PTSD
  - Ashley Wazana, MD (McGill University, Montreal, Quebec, Canada)
    - Anxious and depressive preschoolers and gene by environment interactions

- Jenae M. Neiderhiser, PhD (Penn State), Leslie D. Leve, PhD (Oregon Social Learning Center)
  - RO1, Gene-Environment Interplay and the Development of Psychiatric Symptoms in Young Children
- Ray Sturner, MD (CHADIS/Hopkins)
  - SBIR, Development of an Infant-Preschool version of the Child Health and Development Interactive System (CHADIS)
- Barbara Howard, MD (CHADIS/Hopkins)
  - SBIR, A Tool Supporting and Monitoring Decision Making in ADHD
- Lars Wichstrøm, PhD (Department of Psychology, Norwegian University of Science and Technology, Trondheim, Norway)
  - Epidemiological study of Norwegian 4 year olds
- Mary-Margaret Gleason, MD (Tulane University)
  - Epidemiological study of Romanian preschoolers in primary care

## **PROFESSIONAL AWARDS, DISTINCTIONS, AND SPECIAL RECOGNITIONS**

Meeker Prize for Best Yale Freshman Essay, Yale College, 1980

Magna cum Laude, Yale College, 1983

Distinction in the English Major, Yale College, 1983

Curtis Prize for Literary Excellence, Yale College, 1983

Wallace Fiction Prize, Yale College, 1983

Cum Laude, Yale Medical School, 1991

Departmental Honors, Medical School Thesis, Yale Child Study Center, 1991

NIMH Outstanding Resident Award, 1995

Presidential Scholar, American Academy of Child and Adolescent Psychiatry, 1997

Solnit Fellow, Zero to Three National Center for Infants, Toddlers and Families, 1999-2001

Gerald L. Klerman Award for outstanding clinical research by a NARSAD Young Investigator, 2004

Selected as 1 of 25 Duke University Medical Center faculty members to participate in the 2011 Chancellor's Clinical Leadership in Academic Medicine Program (CCHAMP)

## **ORGANIZATIONS AND PARTICIPATION**

### **1. American Psychiatric Association**

Member-in-Training Trustee, Nationally Elected, Voting APA Board Member, 1995 to 1997  
APA Board of Trustees

Chair, Resident Leadership Group, 1996 to 1997

Monthly Columnist/Editor, Residents' Forum in Psychiatric News, 1996 to 1997

Member, Steering Committee on Practice Guidelines, 1996 to 2001

Member, Work Group Revising Eating Disorders Practice Guidelines, 1996 to 2001

Member, APA Task Force on Quality Indicators, 1997 to 2001

Member, APA Task Force on Quality Indicators in Child/Adolescent Psychiatry, 1998 to 2001

Member, Blanche F. Ittleson Research Award Committee, 2000 to 2002



Member, Infant and Young Child Diagnosis DSM-V workgroup, 2004 to 2006

## **2. American Academy of Child and Adolescent Psychiatry**

Resident Member, Executive Council, 1998 to 1999

Columnist, American Academy of Child and Adolescent Psychiatry Newsletter, 1998 to 1999

Member, AACAP Work Group on Research, 2001 to 2010

Member, Workgroup on research diagnostic criteria for infants and preschoolers (RDC-PA), sponsored by AACAP workgroup on research, 2003 to 2004

Chair, Early Investigators Group, 2004 to 2006

Member, Reactive Attachment Disorder Consensus Group, 2004

Member, AACAP Infancy and Preschool Committee, 2005 to present

Member, AACAP Abramson Preschool Psychopharmacology Working Group, 2006 to present

## **3. Zero to Three**, a national, non-profit organization focused on improving the health and development of infants, toddlers and their families

Member, Workgroup (chair: Bob Emde; 5 other members) revising the Diagnostic Classification: 0-3 (DC: 0-3) resulting in the publication of DC:0-3R in 2005, 2003 to 2005

Board Member, Zero to Three Board of Directors, 2005 to present

Elected Member, Executive Committee, 2009 to present

Core Faculty, Solnit Leadership Fellowship Program, 2005 to present

## **4. Federal Drug Administration, United States Government**

Member, FDA Psychopharmacologic Drugs Advisory Committee, 2009 to present

## **5. Other Organizations**

Member, Early Childhood Taskforce, National Center for Child Traumatic Stress, 2003 to 2005

Member, Expert panel to guide the development of a research agenda in child and adolescent functioning, National Institute of Mental Health, 2004 to 2005

## **6. Chaired Symposia, Institutes, and Meetings**

**Egger, HL** (1996). *Forum for Residents: A Workshop with the Leaders of NAMI, NDMDA and NMHA*. Chair. Presented at the American Psychiatric Association Fall Components Meeting, Washington, District of Columbia.

**Egger, HL** (1997). *Residents' Summit: Addressing Member-in-Training Issues in the APA*. Chair. Presented at the 150<sup>th</sup> American Psychiatric Association Annual Meeting, San Diego, California.

**Egger HL** (2003). Chair. AACAP Early Investigator Retreat, Durham, North Carolina.

**Egger HL** (2003). *Preschool Oppositionality*. Chair. Symposium. 50<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Miami, Florida.

**Egger HL** (2003). *Preschool Psychopathology: New Measures*. Chair. Symposium. 11<sup>th</sup> Scientific Meeting of the International Society for Research in Child and Adolescent Psychopathology, Sydney, Australia.

**Egger HL** (2004). Co-Chair. AACAP Early Investigator Retreat, Chicago, Illinois

**Egger, HL** (2004) *The Epidemiology of Child and Adolescent Mental Illness: From the Community to the Clinic*. Chair. Founders of the Research Initiative Plenary. Presented at the 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.

**Egger HL** (2004). *Irritability: The Forgotten Affect*. Chair. Symposium. 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.

**Egger HL & Angold A** (2004). *Emotion Regulation and Preschool Mental Health*. Chair. Institute. 51<sup>st</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Washington, District of Columbia.

**Egger HL** (2005). *Anxiety Disorders from Preschool to Early Adulthood*. Chair. Symposium. 52<sup>nd</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Toronto, Canada.

**Egger HL** (2005). *Negative Affect and Temperament in Preschool Children*. Chair. Symposium. 12<sup>th</sup> Scientific Meeting of the International Society for Research in Child and Adolescent Psychopathology, New York, New York.

**Egger HL** (2006). *Preschool Depression and Comorbid Psychiatric Symptoms: New Findings from Three Studies*. Chair. Symposium. 10<sup>th</sup> World Infant Mental Health Conference, Paris, France.

**Egger HL** (2006) *Psychiatric Assessment of Preschoolers: Practical Models, Methods and Tips for Clinicians*. Chair. Institute. 53<sup>rd</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, San Diego, California.

**Egger, HL** (2007) *Neural Substrates of Pediatric Anxiety: Imaging Findings within a Developmental Perspective*. Chair. Symposium. 54<sup>th</sup> American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts.

## MEMBERSHIPS

American Academy of Child and Adolescent Psychiatry  
American Psychopathological Association  
Association of Women Psychiatrists  
World Association of Infant Mental Health

## REVIEWER (SELECTED JOURNALS)

*Journal of the American Academy of Child and Adolescent Psychiatry*  
*Pediatrics*  
*Journal of Child Psychology and Psychiatry*  
*Journal of Developmental and Behavioral Pediatrics*  
*Archives of General Psychiatry*  
*Biological Psychiatry*  
*Journal of Child and Adolescent Psychopharmacology*

## TEACHING ACTIVITIES

Research Seminar for Child and Adolescent Psychiatry Residents With E. Jane Costello, PhD. Duke University Medical Center	1998 to 2001
Evidence-Based Medicine Seminar for Child and Adolescent Psychiatry Residents With John March, MD Duke University Medical Center	2001 to 2008
Clinical supervision for Duke Psychiatry Residents/Fellows	1998 to present
Yearly seminar series on early childhood psychopathology Duke Child and General Psychiatry Training Programs	2000 to present

## MENTORING ACTIVITIES

### Current Mentees (as of Fall 2010)

#### Post-Doctoral Fellows

Kim Carpenter, PhD	2011 to present
Lauren Franz, MBChB, MPH (Duke)	2008 to present
Nissa Towe-Goodman, PhD (Duke and UNC)	2010 to present
Gary Maslow, MD (Duke and UNC)	2010 to present
Leah Somerville, PhD, K99-R00 Sackler Institute for Developmental Psychobiology Weill Cornell Medical College	2010 to present

#### Residents/Doctoral Students

Joseph Crozier, MD PhD (Duke)	2008 to present
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#### Medical Students

Rebecca Koziza, Duke Medical Student (Mohamad Mikati MD, primary mentor)	2009 to 2010
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## AREAS OF RESEARCH INTEREST

My program of research focuses on the developmental epidemiology and developmental neuroscience of psychiatric disorders, particularly anxiety disorders, in preschool children. As a child psychiatrist, infant/preschool specialist, and epidemiologist, I bring both a clinical and basic science perspective to my research on early childhood mental health. In our Duke Preschool Program at the Center for Developmental Epidemiology, we conduct prospective, longitudinal community studies of children starting at age 2 to examine the presentation, neurobiology, and

course of early childhood mental health disorders. We conduct functional neuroimaging studies starting at age 5. My areas of research interest include:

- Developmental epidemiology of preschool psychopathology
- Infant/Preschool mental health
- Early onset anxiety disorders
- Neural substrates of early onset anxiety disorders
- Early childhood neuroimaging
- Eye tracking
- Irritability
- Immunoneurology
- Childhood somatic complaints
- Sensory reactivity and early onset psychopathology

## EXTERNAL FUNDING – Gifts, Grants and Contracts

### ACTIVE SUPPORT

#### PRINCIPAL INVESTIGATOR/CO-PRINCIPAL INVESTIGATOR

**R01 MH075766** Co-PI 7/1/06-6/30/11 26% effort  
PI: Dr. A. Angold  
NIH/NIMH \$2,441,924

#### **Preschool Anxiety Disorders in Primary Care**

The goals of this study are to conduct the first specific study of DSM-IV anxiety disorders in a preschool pediatric population, to examine the validity of such disorders, and to determine whether the DSM-IV nosology provides an adequate description of the patterns of association among anxiety symptoms in the preschool age group.

**GIFT** 6/1/08-4/30/11 No salary support  
PI: Dr. HL Egger  
Children's Brain Research Foundation \$30,000

#### **FMRI Pilot Study for R21**

The aim of this pilot study is to begin to examine whether early onset disruptive behavior disorders and early onset anxiety disorders represent biologically distinct psychiatric phenotypes linked to distinct patterns of neural activity

**R01 MH081025** PI 5/2/08-4/30/13 31% effort  
PI: Dr. HL Egger  
NIH/NIMH \$2,101,260

#### **Longitudinal Functional Imaging of Early Childhood Anxiety Disorders**

The aims of this study are identification of dysfunctions and examination of the mechanisms underlying persistence and development of the neural circuitry involved in emotion processing in children with preschool SAD, SoPh, and GAD.

**1-312-0212336** PI 10/1/09-3/31/12 5% effort  
PI: Dr. HL Egger \$188,018

Research Triangle Institute (RTI)  
Center for Disease Control (CDC) and Center for Mental Health Services (CMHS)

#### **SDQ Calibration Study**

The Center for Developmental Epidemiology will provide RTI expertise in child and adolescent psychiatric assessment and interviewing, train 24 interviewers in the use of the ePAPA and eCAPA, and providing support for the use of the ePAPA and eCAPA and analyses of these data.

## CO-INVESTIGATOR

**U01** DA024413-01 9/30/07-6/30/12 20% effort

PI: Dr. EJ Costello

NIH/NIDA

\$7,246,223

### **A Developmental Model of Gene-Environment Interplay in SUDs**

This is a collaborative effort bringing together investigators from Duke, Virginia Commonwealth University and the University of North Carolina to address the genetics of substance use disorders.

**R01** DA022308-01 6/01/08-4/30/13 8% effort

PI: Dr. M. De Bellis

NIH/NIDA

\$2,023,032

### **Prefrontal Function in Adolescent Limited vs Life Course Persistent SUD**

The aim of this study is to understand the brain mechanisms of persistence versus desistence of adolescent onset alcohol and/or marijuana use disorder from adolescent into young adulthood.

**R21** NS065344 6/01/09-5/31/11 8% effort

PI: Dr. A. Song

NIH

\$275,000

### **Myelin-Specific Diffusion Tensor Imaging for Developmental Neuroimaging**

Our overall objective in this proposal is to develop and validate new DTI acquisition techniques that can provide specific and quantitative assessment of myelin microstructure, which can then be used for early detection of white matter diseases such as MS, as well as for assessing healthy white matter maturation and decay in developmental neuroimaging.

**DIBS Research Incubator Award** 7/1/2009-7/1/2011 no salary support

PI: Dr. N. Zucker

Duke Institute for Brain Sciences

\$110,000

### **Interoception and the Development of Self-Regulation in Adolescence**

The goal of this project is to characterize the neural circuitry supporting interoception, conscious awareness of changes in visceral organs that constitute motivated states and emotional experience, as these senses evolve over the adolescent period.

**RO1** 4/1/10-3/31/15

PI: Dr. James Bodfish

University of North Carolina-Chapel Hill

NIH/NIDA

\$3,059,995

### **Restricted Repetitive Behavior in Autism**

Repetitive behaviors are a defining feature of autism but are highly heterogeneous in their presentation. The overall goal of this project is to determine which types of repetitive behaviors are clinically significant for persons with autism. The results of this program of research may ultimately guide studies on autism pathogenesis and treatment.

## MENTOR

**AACAP Pilot Research Award** 7/01/10-6/30/11

PI: Dr. Lauren Franz

American Academy of Child and Adolescent Psychiatry \$15,000

**Snug in the scanner: a pilot study of psychophysiological parameters of mock scanner desensitization as an experimental paradigm for anxiety in young children**

This is a pilot study of physiological stress reactivity before, during, and after a mock scanner desensitization and an actual MRI scan in 100 elementary school age children (ages 5 to 8 years old) who are participating in our Learning about the Developing Brain fMRI Study (R01 MH081025 PI: Egger). The aims of this pilot study are (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.

## OTHER

### **Early Psychosocial Deprivation and Development at 7.5 Years: Follow-up of the Bucharest Early Intervention Project (BEIP)**

The aim of this study is to conduct a follow up study of the children who participated in the BEIP to examine the on-going impact of severe deprivation on the children's psychiatric, cognitive, physiologic, neuroanatomic and social development.

## COMPLETED RESEARCH SUPPORT

### PRINCIPAL INVESTIGATOR/CO-PRINCIPAL INVESTIGATOR

**R01 MH070488** Co-PI 8/23/05-7/31/10  
PI: Dr. A. Angold  
NIH/NIMH \$1,853,790

#### **Outcomes of Preschool Mental Health Problems**

The aim of this study is to examine the predictive validity of preschool anxiety and depressive symptoms, syndromes, and disorders that present in the preschool period at follow-up 3-6 years after the initial psychiatric assessment.

**NARSAD** PI 7/1/00-6/30/02  
**Young Investigator Award**  
PI: Dr. HL Egger  
NARSAD \$30,000

#### **The Genetic Developmental Epidemiology of High Reactivity**

The aim of this study was to examine genetic and physiologic characteristics of preschool anxiety.

**K23 MH02016** PI 1/1/01-12/31/05  
PI: Dr. HL Egger  
NIH/NIMH \$815,038

#### **Developmental Epidemiology of Anxiety Disorders in Preschoolers**

The major goal of this project was to enable Dr. Egger to develop the experience and expertise to become an independent scientist studying psychiatric disorders in preschoolers.

**R01 MH63670** Co-PI 9/10/01-8/31/04  
PI: Dr. A. Angold  
NIH/NIMH \$731,500

#### **Assessing Preschool Comorbidity: A Test-Retest Study**

The major goal of this study was to conduct the first test-retest reliability study of a parent-report preschool psychiatric diagnostic interview- the Preschool Age Psychiatric Assessment (PAPA).

**The Pfizer Scholars Grant for PI** 7/1/03-6/30/07

**Faculty Development in Clinical Epidemiology**

PI: Dr. HL Egger

Pfizer \$195,000

**Developmental Epidemiology of Preschool Mental Health**

The central aim of this grant was to examine the chronicity of psychiatric symptoms and disorders in preschool children and identify the risk factors associated with the presence and the emergence of psychiatric symptoms and disorders in this age group.

**R01 MH68455** PI (Duke site) 4/1/04-1/31/09

PI: Dr. L Wakschlag

NIH/NIMH \$2,457,497

**Observational Measurement of Preschool Behavior Problems**

Title of subcontract (same as above) \$38,481

The major goal of this study is to validate a new clinical observation instrument, the Disruptive Behavior Diagnostic Observation Schedule (DB-DOS) in preschoolers.

**Pilot Research Award** PI 12/1/06-11/30/10

PI: Dr. HL Egger

Autism Speaks and the Dana Foundation \$100,000

**The Assessment of Psychiatric Comorbidity in Preschoolers with Autism**

The purpose of this study is to develop a comprehensive, reliable, and valid measure for assessing psychiatric comorbidity in young children with autism.

**Young Investigator Award** PI 7/1/06-6/30/10 no salary support

PI: Dr. HL Egger

NARSAD \$60,000

**Four Year Functional MRI Follow-up of Preschoolers with and without Anxiety Disorders**

The aim of this proposed study is to examine the neural circuitry associated with social threat cues in children diagnosed with SoPh or GAD as preschoolers.

**CO-INVESTIGATOR**

**R21 MH074780-01A1** 7/1/06-6/30/09

PI: Dr. B. Leventhal

NIH/NIMH \$586,329

**Neural Substrates of Preschool Psychopathology**

The aim of this study is to advance understanding of preschool emotional and behavioral disorders and their neural substrates.

**P30 MH57761** 2/1/99-1/31/05

PI: Dr. A. Angold

NIH/ NIMH \$4,216,808

**CADPRC in Developmental Epidemiology**

The Center was designed to bring together investigators from three universities to create a center for the developmental epidemiology of psychiatric disorders.

**U79 SM54284-01** 2001-2004

PI: John Fairbank (Duke site)

SAMHSA subcontract

**National Center for Child Traumatic Stress**

The principle aim is to develop an integrated network of treatment programs to improve the availability, accessibility, and quality of service for children exposed to traumatic events.

**R01 MH066497** 8/12/02-7/31/07  
PI: Dr. A. Erkanli  
NIH/NIMH \$2,360,463

**Validity without a Gold Standard**

The goals of this proposal were to assemble and analyze a representative collection of data sets relevant to the validity of screens for child psychiatric disorder and to rigorously test the most promising screens, in relation to 3 state-of-the-art diagnostic interviews (Diagnostic Interview Schedule for Children (DISC-IV), Child and Adolescent Psychiatric Assessment (CAPA), Developmental and Well-Being Assessment (DAWBA))

**OTHER**

**NIMH Intramural Grant** Associate Investigator 2004-2007  
PI: Dr. Leibenluft

National Institute of Mental Health

**The Phenomenology and Neurophysiology of Affective Dysregulation in Preschoolers at Risk for Bipolar Disorder**

The aim of this study is to examine the presentation and neural correlates of affect dysregulation in preschoolers with at least one parent who has bipolar disorder.

**PENDING RESEARCH SUPPORT**

**PRINCIPAL INVESTIGATOR/CO-PRINCIPAL INVESTIGATOR**

**R01**  
1R01MH095879-01 12/1/11-11/30/16 20%  
PI: Helen Egger, MD & Adrian Angold  
NIH/NIMH \$2,423,731

**Early childhood temper dysregulation and irritability: an fMRI and DTI study**

To conduct a 5-year functional MRI (fMRI) and diffusion tensor imaging (DTI) study of irritability and temper dysregulation in a community sample of 6-year-old children. We aim to examine the associations between emotional and behavioral dysregulation, dysregulation in neuropsychological processes, and the underlying neural networks so as to characterize the pathophysiology of chronic irritable mood in young children.

**CO-INVESTIGATOR**

**R01**  
2R01MH073402 4/1/11 – 3/31/16 5%  
PI: Dr. James Bodfish  
University of North Carolina-Chapel Hill  
NIH/NIDA \$3,059,995

**Restricted Repetitive Behavior in Autism**

Repetitive behaviors are a defining feature of autism but are highly heterogeneous in their presentation. The overall goal of this project is to determine which types of repetitive behaviors are clinically significant for persons with autism. The results of this program of research may ultimately guide studies on autism pathogenesis and treatment.



**RO1**

1R01EB014293-01 12/1/11-11/30/16 10%  
PI: Dr. Nan Kuei Chen  
NIH \$1,500,000

**High-Quality, High-Throughput, Motion-Insensitive MRI for Clinical Neuroimaging**

The goal of this project is to significantly improve the throughput and quality of clinical neuroimaging through the development of new high-throughput MRI data acquisition algorithms and reconstruction techniques.

**RO1**

1R01EB014380-01 12/1/11-11/30/15 5%  
PI: Dr. Trong-Kha Truong final year  
NIH \$800,000

**Fast High-Fidelity Multishot Spiral DTI for Pediatric Neuroimaging**

The goal of this project is to develop new correction methods to promote fast, high-fidelity multishot spiral diffusion tensor imaging for use primarily in pediatrics.

**CLINICAL ACTIVITY**

- Duke Preschool Mental Health Clinic 1999 to 2008  
Conducted consultations and supervised treatment of preschool patients at the Child Guidance Clinic and the Center for Child and Family Studies
- Child Psychiatry Call for Duke Emergency Department 1999 to present

**PERSONAL INFORMATION**

Preferred Name: Helen

Office Address: Duke Preschool Program  
Center for Developmental Epidemiology  
905 West Main Street  
Brightleaf Square, Suite 22  
Durham, North Carolina 27701

Mailing Address: DUMC Box 3454  
Durham, North Carolina 27710

Home Address: 2027 West Club Boulevard  
Durham, North Carolina 27705

Telephone Numbers: 919-687-4686 X230 (office)  
919-949-1154 (cell)  
919-687-4737 (fax)  
919-286-4517 (home)

Marital Status: Married

Name of Spouse: Daniel Egger, J.D.  
Center for Quantitative Modeling  
Duke Master of Engineering Management Program  
Pratt School of Engineering

Children: Rebecca (1991)  
Alexander (Sasha) (1995)  
Leo (2001)  
Oliver (2001)

My tenure clock was stopped for one year in 2009 because my son, Sasha, was hospitalized for 12 weeks with parainfectious autoimmune encephalopathy. He has had repeated hospitalizations and continues to receive intensive treatments.