

Jodene Goldenring Fine

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Michigan State University
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POSITIONS AND EDUCATION

- 2008 Assistant Professor, Educational Psychology, Michigan State University**
- Cognitive and neuropsychological assessment
 - Neuroimaging of children with developmental disorders
- 2006-08 Postdoctoral Fellowship, Neuropsychology, Michigan State University**
- Neuroimaging.
 - Clinical neuropsychology.
 - Mentoring research proposals for the MSU Department of Psychiatry.
 - Teaching psychology students and medical residents.
 - Teaching undergraduates.
 - Writing grants and setting up large studies.
- 2005-06 Internship, Clinical Psychology, Children's Hospitals and Clinics of Minnesota**
- APA Accredited, 2000 hours.
 - Additional training in neuropsychology and pediatric psychology.
 - Hospital, clinic and community placements.
 - School liaison work.
- 2002-06 Doctoral Student, Educational Psychology, University of Texas at Austin**
- Ph.D. awarded August 2006, Specialization: School Psychology.
 - Dissertation title: The corpus callosum and reading: An MRI volumetric study.
 - Chairs: Margaret Semrud-Clikeman, Ph.D. and Timothy Z. Keith, Ph.D.
 - Description: An analysis of within-family variance in corpus callosum volume among families with able and poor readers while controlling for whole-brain volume, gender, and IQ. Analyses include anterior-Paperior segmentation of the corpus callosum volumes, prediction of volume by area taken at the midsagittal slice, and left-right volumes. A manuscript based on this work will be published in *Neuropsychology*, and three Papers were presented at INS Boston, February 2006. Another manuscript has been submitted for publication.
- 2001 M.S., California State University at Hayward, Clinical Child and School Psychology**
- Thesis: The timing of retention and enrollment in post-secondary education.
 - Description: Long-term outcomes of high school graduates who were retained in grade compared to similarly achieving but promoted peers. Analysis was a series of logistic regressions using national data. Published December, 2004 (see Publications, below).
 - Internship: 1200 hour internship including counseling, assessment and consultation in low SES, multi-cultural schools. STEP Parenting workshops, child group therapy, playground leadership workshops.

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1982 B.S., University of California, Berkeley, Physical Geography.

- Emphasis on geomorphology and cartographic techniques.

HONORS AND AWARDS

2005 – 2002 Harrington Doctoral Fellowship

A University-wide pre-emptive fellowship offered to 8 to 12 incoming graduate students per year drawn from all academic departments.

2004 David Bruton, Jr. Graduate Fellowship

Given to those with a well-defined program of research to whom a nationally recognized competitive research grant has been awarded. Grant was \$1000 and in-state tuition and fees.

2004 American Psychological Association, Student Research Award

Awarded for work on the long-term outcomes of children retained in a grade.

2004 Certificate of Appreciation for Outstanding Service to the Program of School Psychology. Given for a seminar on analyzing fMRI data with AFNI.

GRANTS

2007 Foundation Grant \$270,000 (Co-PI)

Grant to pursue neuroimaging work in the area of social perception in children with Autistic Spectrum Disorder / Nonverbal Learning Disability.

2004 P.E.O. International Research Grant

A \$10,000 research award given to women engaged in exceptional research. The award is supporting an fMRI project on the neural correlates of social perception in children with Asperger Syndrome and NVLD.

Submitted NIMH RO1 \$2,000,000 (Co-PI)

Neuroimaging in Children with Autistic Spectrum Disorder. This is a grant in response to a call for proposals in autism through NICHD. It is for an investigation into the neural correlates of social perception.

In progress NIMH RO1 \$2,000,000 (Co-PI)

Neuroimaging in Children with ADHD. This grant is for an investigation into response to feedback in treatment naïve and treated children with ADHD. To be submitted 2/2008.

In progress K-Award (Mentored) \$250,000 (PI)

Diffusion Tensor Imaging in Girls with Autistic Spectrum Disorders. This new researcher grant will support acquisition of skills in collecting and analyzing DTI data. It is focused on comparing neural connectivity between girls with an ASD and typically developing girls. To be submitted 2/2008.

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PROFESSIONAL LICENSURE

- 2006** Provisional Doctoral License, Michigan
2001 School Psychologist Credential, State of California
2001 Nationally Certified School Psychologist, #32491

SCHOOL PSYCHOLOGY EMPLOYMENT

- 2000 – 2002 Raskob Institute**
- Psychoeducational assessment of children and adults.
 - Supervisor: Jack M. Davis
- 2001 – 2002 School Psychologist Vallejo City Unified School District**
- Assessment, therapy, consultation.
 - Supervisor: Dyana Vukyovitch

PROFESSIONAL DEVELOPMENT

- 2008 INS Annual Meeting, Kona HI**
2007 APA Annual Meeting, San Francisco
2007 INS Annual Meeting, Portland
2006 INS Annual Meeting, Boston
2005 AERA, Brain and Neuroscience Group
2005 APA National Conference, Hawaii
2003 Functional Magnetic Resonance Imaging, An Introductory Course
Medical College of Wisconsin
2000-2001 Pediatric Neuropsychology Seminar for Post-Doctoral Students
Children's Hospital, Oakland, CA
Lecturer: Alan Shonkoff, Ph.D., ABPP

PROFESSIONAL INTERESTS

- The neural correlates of social/emotional processing in children with social deficits.
- Differences in brain development of children with developmental learning disabilities.
- ADHD/ASD nosology, treatment, and neural functioning.
- Gender differences in developmental disabilities.
- Outcomes for children retained in grade.
- Evaluation of NCES data sets.
- Statistical methods for studying familial disorders.
- Structural equation modeling applied to measurement instruments and theories of causal effects in developmental disabilities.

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PROFESSIONAL AFFILIATIONS

- National Association of School Psychologists
- American Educational Research Association
- American Psychological Association, Divisions 40 and 16
- International Neurological Society
- National Academy of Neuropsychologists

TEACHING

2007 Psychology 295, Data Analysis in Psychological Research

PEER REVIEWED PUBLICATIONS

Fine, J.G., Semrud-Clikeman, M., Zhu, D.C. (Submitted). Gender differences in BOLD activation to face photographs and video vignettes. *Journal of the International Neuropsychological Society*.

Semrud-Clikeman, M., **Fine, J.G.**, Zhu, D.C. (Submitted). Brain activation in normal adults to happy and sad photographs and videos. *Neuropsychology*.

Fine, J. G., Semrud-Clikeman, M., Butcher, B., Walkowniak, J. (2008). Brief report: Attention effect on a measure of social perception. *Journal of Autism and Developmental Disorders*.

Reynolds, M. R., Keith, T. Z., **Fine, J. G.**, Fisher, M., & Low, J. (2008). Confirmatory factor structure of the Kaufman Assessment Battery for Children—Second edition: Consistency with Cattell-Horn-Carroll theory. *School Psychology Quarterly*, 22(4).

Fine, J. G., Semrud-Clikeman, M., Keith, T.Z., Stapleton, L., Hynd, G. (2007). The corpus callosum and reading: An MRI family study of volume and area. *Neuropsychology*, 21(2).

Keith, T. Z., **Fine, J. G.**, Taub, G. E., Reynolds, M. A., & Kranzler, J. A. (2006). Hierarchical, multi-sample, confirmatory factor analysis of the Wechsler Intelligence Scale for Children—Fourth Edition: What does it measure? *School Psychology Review*, 35(1).

Keith, T. Z., Diamond-Hallam, C., & **Fine, J. G.** (2004). Longitudinal effects of in-school and out-of-school homework on high school grades, *School Psychology Quarterly*, 19, 187-211.

Fine, J. G., Davis, J. M. (2003). Retention and post-secondary enrollment, *Journal of School Psychology*, 41, 401-411.

JOURNAL PUBLICATIONS IN PROGRESS

Reynolds, M. R., **Fine, J. G.**, Smith, S. & Semrud-Clikeman, M. (submitted). Social competence deficits: A comparison of ADHD with Asperger Syndrome, Nonverbal Learning Disabilities, and PDD-NOS. *Journal of Attention Disorders*.

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- Fine, J.G.**, Semrud-Clikeman, M., Zhu, D., Bledsoe, J. (In preparation). Gender differences in brain activation to emotional photos and videos. To be submitted to *Biological Psychiatry*.
- Fine, J.G.**, Methodology for evaluating familial effects (In preparation). To be submitted to *Neuroreport*.
- Fine, J.G.**, Neuroimaging contributions to our understanding of language disorders. (In preparation). To be submitted to *Psychological Bulletin*.
- Semrud-Clikeman, M., **Fine, J.G.**, Zhu, D, Bledsoe, J. (In preparation). Asymmetry and whole-brain activation to emotional photos and videos. To be submitted to *Biological Psychiatry*.
- Semrud-Clikeman, M., **Fine, J.G.**, (In preparation). A meta-analysis of measurement methods for NVLD. To be submitted to *Neuropsychology*.
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BOOKS

- Semrud-Clikeman, M, **Fine, J. G.** (In preparation) *Child Psychopathology*, New York: Kluwer
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BOOK CHAPTERS

- Semrud-Clikeman, M., **Fine, J.G.** (In press); Attention deficit hyperactivity disorder: adulthood. In Hunter, S. and Donders, J. (Eds.), *Principles and Practice of Lifespan Developmental Neuropsychology*. Cambridge UK: Cambridge University Press
- Semrud-Clikeman, M., **Fine, J.G.** (In press); Brief and comprehensive neuropsychological assessment of children and adults with learning difficulties and disabilities. In D'Amato, R. (Ed.), *Essentials of Neuropsychological Assessment: Treatment Planning for Rehabilitation*, New York: Oxford.
- Semrud-Clikeman, M., **Fine, J.G.** (In press). Imaging and the female brain. In E. Fletcher-Janzen & C.R. Reynolds (Eds.), *Neuropsychology of Women*. New York: Springer
- Semrud-Clikeman, M., **Fine, J. G.**, & Butcher, B. (2006). Assessing depression. In S. R. Smith & L. Handler (Eds.), *The Clinical Assessment of Children and Adolescents: A Practitioner's Guide*, pp. 487-508. Mahwah, NJ: Erlbaum.
- Keith, T. Z., **Fine, J. G.** (2005). Multicultural influences on school learning: Similarities and differences across groups. In C. L. Frisby & C. R. Reynolds (Eds.), *Comprehensive Handbook of Multicultural School Psychology* (pp. 457-482). New York: Wiley.
- Semrud-Clikeman, M., **Fine, J. G.**, & Harder, L. (2005). The school neuropsychology of learning disabilities. In R. C. D'Amato, E. Fletcher-Janzen, & C. R. Reynolds (Eds.), *Handbook of School Neuropsychology* (pp. 403-424). Hoboken, NJ: Wiley.
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PAPERS PRESENTED

- Fine, J.G.**, Semrud-Clikeman, M, Zhu, D., Ogg, J. A., Bledsoe J. (2008) *Gender Differences in Activation to Happy and Sad Video Vignettes*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Fine, J.G.**, Semrud-Clikeman, Zhu, D., Bledsoe, J. (2008). *Greater Differential Activation to Emotions in Video Vignettes vs. Photos*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.

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- Fine, J.G.**, Semrud-Clikeman, Zhu, D., Bledsoe, J. (2008). *Gender Differences in Activation to Happy and Sad Human Faces*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Semrud-Clikeman, M., **Fine, J.G.**, Zhu, D., Ogg, J. A., Bledsoe, J. (2008). *Asymmetric activation to happy and sad video vignettes*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Semrud-Clikeman, M., **Fine, J.G.**, Zhu, D., Bledsoe, J. (2008). *Asymmetric activation to happy and sad photos*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Semrud-Clikeman, M., **Fine, J.G.**, Bledsoe, J. (2008). *Meta-analysis of empirical research in assessment and diagnosis of NVLD*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Fine, J.G.**, Semrud-Clikeman, M., Davis, John M., (2008). *Empirical bases for nonverbal learning disability*. Annual meeting of the International Neuropsychological Society, February 2008, Waikoloa, Hawaii.
- Fine, J.G.**, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L., & Hynd, G (August 2007) *Familial Study of the Corpus Callosum and Oral Reading*. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Fine, J.G.**, Semrud-Clikeman, M. & Butcher, B. (February, 2007). *Static vs. Dynamic Emotion Perception in Children with Social Deficits*. Paper presented at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Fine, J. G.**, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L., & Hynd, G. (February, 2006). *Smaller corpus callosum midbody in poorer readers within families*. Paper presented at the annual meeting of the International Neuropsychological Society, Boston.
- Fine, J. G.**, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L., & Hynd, G. (February, 2006). *Why not study differences among family members for heritable disorders?* Paper presented at the annual meeting of the International Neuropsychological Society, Boston.
- Fine, J. G.**, Semrud-Clikeman, M., Keith, T. Z., Stapleton, L., & Hynd, G. (February, 2006). *Some lessons learned from comparing MRI area and volume measurements of the corpus callosum*. Paper presented at the annual meeting of the International Neuropsychological Society, Boston.
- Bloom, J. S., Hynd, G. W., Garcia-Barrera, M. A., **Fine, J. G.**, Miller, C. M. J., Miller, S. R., & Semrud-Clikeman, M. (2006, February). *Planum temporale morphology in children with dyslexia*. Paper presented at the annual meeting of the International Neuropsychological Society, Boston.
- Reynolds, M., **Fine, J. G.**, & Semrud-Clikeman, M. (2005, August). *Discriminant analysis of measures predicting social deficits in NVLD and ADHD*. American Psychological Association, Washington, D. C.
- Fine, J. G.**, Reynolds, M. R., Keith, T. Z., & Low, J. (2005, August). *Confirmatory factor structure of the KABC-II*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.

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- Fine, J. G.**, Semrud-Clikeman, M., & Keith, T. Z., Stapleton, L. (2005, April). *Volumetric analysis of the corpus callosum in able and disabled readers*. Paper presented to the Brain and Neuroscience Division of AERA, Montreal, Canada.
- Keith, T.Z., **Fine, J. G.**, Reynolds, M., Kranzler, J., Taub, G. (2005, March). *Hierarchical confirmatory factor analysis of the WISC-IV*. Paper presented to the National Association of School Psychologists, Atlanta, GA.
- Fine, J. G.**, Davis, J. M. (2004, August); *Retention and post-secondary enrollment*. Paper presented at the meeting of the American Psychological Association, Honolulu, HI.
- Keith, T. Z., **Fine, J. G.** (2004, August); *Multicultural influences on school learning: Similarities and differences across groups*. Paper presented at the meeting of the American Psychological Association, Honolulu, HI.

INVITED WORKSHOPS AND LECTURES

- Fine, J. G.** (March 2008). Neuropsychological Tests. Resident Education, College of Human Medicine, Michigan State University.
- Fine, J. G.** (February, 2008). Language-based Learning Disabilities. Resident Education, College of Human Medicine, Michigan State University.
- Fine, J. G.** (February, 2008). Hypothesis Testing in Neuropsychological Assessment. Resident Education, College of Human Medicine, Michigan State University.
- Fine, J. G.** (September, 2007). Providing Neuropsychological Services to Students with Learning Disabilities. National Normal University of Taipei, Taiwan.
- Fine, J. G.** (September, 2007). Neurodevelopment from Birth to Adulthood. National Normal University of Taipei, Taiwan.
- Fine, J. G.** (June, 2007). Understanding Neuropsychological Measurements and Reports. Resident Education, College of Human Medicine, Michigan State University.
- Fine, J. G.** (December, 2006). Epilepsy: Neurobiology and Treatment. Grand Rounds, Children's Hospitals and Clinics of Minneapolis.
- Fine, J. G.** (June, 2006). Brain Development Across the Life Span. Invited lecture to Children's Hospitals and Clinics of Minnesota, Child Life Division, annual meeting.
- Fine, J. G.** (June, 2006). Dyslexia and the Corpus Callosum. Grand Rounds, Children's Hospitals and Clinics of Minneapolis.
- Fine, J. G.** (December, 2005). Neuroimaging with AFNI. Invited lecture to neuroscience at University of Texas at Austin.

COMMUNITY OUTREACH

- Semrud-Clikeman, M., **Fine, J. G.** (March 2008). Understanding social competence. MSU Autism Awareness Event, Family Resource Center.
- Fine, J. G.**, (October 2007). Developing Brains: What neuroscience tells us about educating our children. P.E.O. Sisterhood, East Lansing.

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Semrud-Clikeman, M., **Fine, J. G.** (March 2007). Social competence and neuroimaging. Capitol Regional Autism Network (CRAN), Mason, MI.

OTHER CLINICAL AND RESEARCH ACTIVITIES

2008 Reviewer: Journal of Abnormal Child Psychology
2007 Reviewer: Psychiatry Research: Neuroimaging
2007 Guest reviewer: Journal of Abnormal Child Psychology
2007 Guest reviewer: Biological Psychiatry
2005 Guest reviewer: Journal of Rural Education

REFERENCES

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