

# Tonya Jo Hanson White, M.D.

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## Work Address

*Afdelings Kinder- en Jeugdpsychiatrie  
Erasmus Medical Centre - Sophia  
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Dr. Molewaterplein 60, Postbus 2060  
3000 CB Rotterdam  
Tel: +31 (0) 10 703-7072*

## EDUCATIONAL RECORD

University of Minnesota	8/04 – 5/07: Department of Biomedical Engineering Coursework completed towards Ph.D. in Biomedical Engineering, no degree obtained.
University of Illinois College of Medicine	8/86-5/90; M.D. Received May 1990.
University of Illinois - Champaign/Urbana	8/85-10/87; Master of Science in Electrical Engineering received October 1987.
University of Utah	9/81-6/85; Bachelor of Science in Electrical Engineering received June 1985. <i>Magna Cum Laude</i>
Philipps Universität Marburg	9/83-7/84; Student Exchange program with West Germany offered through the University of Utah.

## WORK EXPERIENCE

Assistant Professor, Department of Child and Adolescent Psychiatry	Erasmus MC, Rotterdam, Netherlands 8/09 to present.
Assistant Professor, Division of Child and Adolescent Psychiatry	University of Minnesota, Minnesota, USA 7/01 – 8/09.
Adjunct Assistant Professor of Pediatrics	University of Minnesota
Adjunct Assistant Professor Institute of Child Development	University of Minnesota
Core Faculty – Center for Neurobehavioral Development	University of Minnesota
Fellow Associate, Mental Health Clinical Research Center	University of Iowa Hospital and Clinics, 3/99 – 7/01. <i>Mentor: Nancy C. Andreasen, M.D., Ph.D.</i>
Assistant Professor, Division of Child and Adolescent Psychiatry Director - Pediatric Consultation-Liaison Director - Pediatric Neurobehavioral Clinic	Creighton/Nebraska Universities Department of Psychiatry, 4/96 – 12/98.
Instructor, Division of Child and Adolescent Psychiatry	Creighton/Nebraska Universities Department of Psychiatry, 9/95 - 3/96.

Director - Pediatric Consultation-Liaison

Residency Training Program  
*Triple Board Program*  
(*Pediatrics, Psychiatry,*  
*Child & Adolescent Psychiatry*)

University of Utah Departments of Psychiatry  
Child Psychiatry and Pediatrics, 7/90-6/95.  
Training Director: Dr. Chris Lang  
- *Chief Resident, Triple Board Program*  
- *Assistant Chief Resident, Child Psychiatry*  
- *Research Mentor: William McMahon, M.D.*

Research Assistant

University of Illinois College of Medicine at  
Rockford, 8/87-5/90.

Research Assistant

University of Illinois Department of Electrical  
Engineering, 6/86-8/87.

Teaching Assistant

University of Illinois Department of Electrical  
Engineering, 1/86-5/86.

Engineering Technician

University of Utah Center for Biomedical  
Design, 3/83-7/83.

## **LITERATURE**

### **Peer Reviewed Papers**

Kim DI, Sui J, Rachakonda S, White T, Manoach DS, Ho BC, Schulz SC, Calhoun VD (In Press) Identification of imaging biomarkers in schizophrenia: A coefficient-constrained independent component analysis of the MIND multi-site schizophrenia study. *Neuroinformatics*.

**White T**, Schmidt M, Kim DI, Calhoun VD (In Press) Disrupted functional brain connectivity during verbal working memory in children and adolescents with schizophrenia. *Cereb Cortex*.

**White T**, Su S, Schmidt M, Kao CY, Sapiro G (In Press) The development of gyrification in children and adolescents. *Brain & Cognition*.

Sui J, Adali T, Pearlson GD, Yang H, Sponheim SR, **White T**, Calhoun VD (In Press) A CCA+ICA based model for multi-task brain imaging data fusion and its application to schizophrenia. *NeuroImage*.

Cullen K, Guimaraes A, Wozniak J, Anjum A, Schulz SC, **White T** (In Press) Trajectories of social withdrawal and cognitive decline in the schizophrenia prodrome. *Clin Schiz Rel Psychos*.

**White T**, Hilgetag C (In Press) Gyrification and neural connectivity in schizophrenia. *Development and Psychopathology*.

Ehrlich S, Morrow EM, Roffman JL, Wallace SR, Naylor M, Bockholt J, Lundquist A, Yendiki A, Ho BC, **White T**, Manoach DS, Clark VP, Calhoun VD, Gollub RL, Holt DJ (In Press) The COMT Val108/158Met polymorphism and medial temporal lobe volumetry in patients with schizophrenia and healthy adults. *NeuroImage*.

Wahlstrom D, Collins P, **White T**, Luciana M (In Press) Developmental changes in dopamine neurotransmission in adolescence: Behavioral implications and issues in assessment. *Brain & Cognition*.

- Davenport N, Karatekin C, **White T**, Lim K (In Press) Differential fractional anisotropy abnormalities in adolescents with ADHD or schizophrenia. *Psychiatry Research: Neuroimaging*.
- Michael A, Baum S, **White T**, Demirci O, Andreasen NC, Segall J, Jung R, Pearlson, G, Clark V, Gollub R, Schulz SC, Roffman J, Lim KO, Ho BC, Bockholt HJ, Calhoun VC (In Press) Does Function Follow Form?: Methods to Fuse Structural and Functional Brain Images Show Decreased Linkage in Schizophrenia. *NeuroImage*.
- Kim D, Manoach DS, Turner J, Brown G, Belger A, Bockholt HJ, Clark VP, Ford JM, Gollub R, Lauriello J, Mathalon D, **White T**, Wible C, Leary D, Mueller B, Lim KO, Andreasen NC, Potkin S, Calhoun VD (In Press) An analysis of the fMRI BIRN and MIND studies shows a dysmodulation of functional networks in schizophrenia during working memory. *Hum Brain Mapp*.
- White T**, Magnotta VA, Bockholt HJ, Williams S, Gollub RL, Mueller BA, Ho BC, Jung R, Clark VP, Lauriello J, Bustillo JR, Schulz SC, Andreasen NC, Calhoun VD, Lim KO (In Press) Progressive White Matter Abnormalities in Schizophrenia: A multisite diffusion tensor imaging study. *Schiz Bull* 35: 204-212.
- Karatekin C, **White T**, Bingham C (In Press) A Comparison of Parent and Teacher Ratings of Behavior Between Youth-Onset Psychosis and ADHD. *J of Attention Disorders*.
- Karatekin C, Bingham C, **White T** (In Press) Oculomotor and pupillometric indices of pro- and antisaccade performance in youth-onset psychosis and attention-deficit/hyperactivity disorder. *Schiz Bull*.
- Wahlstrom D, White T, Luciana M (2010) Neurobehavioral evidence for changes in dopamine system activity during adolescence. *Neurosci Biobehav Rev* 34: 631-648.
- White T**, Schmidt M, Karatekin C (2009) White matter 'potholes' in early-onset schizophrenia: a new approach to evaluate white matter microstructure using diffusion tensor imaging. *Psychiatry Res* 174: 110-115.
- Demirci O, Stevens MC, Andreasen NC, Michael A, Liu J, **White T**, Pearlson GD, Clark VP, Calhoun VD (2009) Investigation of Relationships between fMRI Brain Networks in the Spectral Domain using ICA and Granger Causality Reveals Distinct Differences between Schizophrenia Patients and Healthy Controls. *NeuroImage* 46: 419-431.
- Karatekin C, Bingham C, **White T** (2009) Regulation of cognitive resources during an n-back task in youth-onset psychosis and attention deficit hyperactivity disorder (ADHD). *Int J Psychophysiol* 73: 294-307.
- Karatekin C, **White T**, Bingham C (2009) Incidental and Intentional Sequence Learning in Youth-Onset Psychosis and Attention-Deficit/Hyperactivity Disorder (ADHD). *Neuropsychology* 23: 445-59.
- White T** (2009) The Ethics are in the Numbers: A Bayesian Approach to the Management of Incidental Findings in Pediatric Magnetic Resonance Research. *Am J Case Rep* 10: 22-26.
- White T**, Miller J, Smith GL, McMahon WM (2009) Adherence and Psychopathology in Children and Adolescents with Cystic Fibrosis. *Eur J Child Adolesc Psychiatr* 18: 96-104.
- Segall JM, Turner JA, van Erp TGM, **White T**, Bockholt HJ, Gollub RL, Ho BC, Magnotta V, Jung RE, McCarley RW, Schulz SC, Lauriello J, Clark VP, Voyvodic JT, Diaz MT, Calhoun VD (2009) Voxel-based morphometric multi-site collaborative study on schizophrenia. *Schiz Bull* 35(1) 82-95.
- Karatekin C, **White T**, Bingham C (2008) Divided Attention in Youth-Onset Psychosis and Attention-Deficit/Hyperactivity Disorder (ADHD). *J Abnormal Psychol* 117: 881-95.
- Roffman JL, Gollub RL, Calhoun VD, Wassink TH, Weiss AP, Ho BC, **White T**, J Fries, Andreasen NC, Goff DC, Manoach DS (2008) MTHFR 677CàT genotype disrupts prefrontal and dopaminergic function in schizophrenia. *Proc Natl Acad Sci* 105(45) 17573-8.

- Wozniak JR, Block EE, **White T**, Jensen J, Schulz SC (2008) Clinical and Neurocognitive Course in Early-Onset Psychosis: A longitudinal study of adolescents with schizophrenia spectrum disorders. *Early Intervention in Psychiatry* 2: 169-177.
- Jensen J, Oberstar J, Anjum A, **White T**, Wozniak J, Kumra S, Schulz SC (2008) A Comparative Study of Second-Generation Antipsychotics in Children and Adolescents with Schizophrenia Spectrum Disorders. *J Child Adolesc Psychopharm* 18(4) 317-326.
- Kendi M, Kendi ATK, Lehericy S, Ducros M, Lim KO, Ugurbil K, Schulz SC, **White T**: (2008) Structural and diffusion tensor imaging of the fornix in childhood and adolescent-onset schizophrenia. *J Am Acad Child Adolesc Psychiatry* 47: 826-832.
- White T**, Nelson M, Lim KO (2008) Diffusion Tensor Imaging in Psychiatric Disorders. *Trends MRI* 19: 97-109.
- White T**, Cullen R, Rohrer LM, Karatekin C, Luciana M, Schmidt M, Hongwanishkul D, Kumra S, Schulz SC, Lim KO: (2008) Limbic structures and networks in children and adolescents with schizophrenia. *Schiz Bull* 34: 18-29.
- White T**, Kendi ATK, Lehericy S, Kendi M, Karatekin C, Guimaraes A, Davenport N, Schulz SC, Lim KO (2007) Disruption of Hippocampal Connectivity in Children and Adolescents with Schizophrenia – A voxel based diffusion tensor imaging study, *Schizophrenia Research* 90: 302-307.
- Karatekin C, Marcus DJ, **White T** (2007) Oculomotor and manual indices of spatial sequence learning in middle childhood and adolescence. *Journal of Experimental Child Psychology* 96: 107-130.
- Wahlstrom D, **White T**, Hooper CJ, Vrshek-Schallhorn S, Luciana, M (2007) Variations in the catechol O-methyltransferase polymorphism and prefrontally-guided behaviors in adolescents, *Biological Psychiatry* 61: 626-632.
- Vrshek-Schallhorn S, Wahlstrom D, Benolkin K, **White T**, Luciana M (2006) Affective bias and response modulation following tyrosine depletion in healthy adults, *Neuropsychopharmacology* 31: 2523-2536.
- White T**, Anjum A, Schulz SC (2006) The Schizophrenia Prodrome, *Am J Psychiatry* 163(3): 376-380.
- White T**, Ho BC, Ward J, Arndt S, O’Leary D, Andreasen NC (2006) Neuropsychological performance in first-episode adolescents with schizophrenia: A comparison with first-episode adults and adolescent control subjects, *Biological Psychiatry* 60: 463-471.
- White T**, Magnotta, V (2005) The application of magnetic resonance imaging to develop anatomically correct brain models, *International Journal of Bioelectromagnetism* 7(1): 150-154.
- White T**, Andreasen NC, Nopoulos P, Magnotta, V (2003) Gyrfication abnormalities in childhood and adolescent onset schizophrenia. *Biological Psychiatry* 52: 418-426.
- White T**, Andreasen NC, Nopoulos P, Arndt S (2002) Brain volumes and surface morphology in monozygotic twins. *Cerebral Cortex* 12: 486-493.
- Gray D, Parker-Cohen NY, **White T**, Clark ST, Seiner SH, Achilles J, McMahon WM (2001) A comparison of individual and family psychology of adolescents with chronic fatigue syndrome, rheumatoid arthritis, and mood disorders, *J Dev Beh Pediatrics* 22: 234-242.
- White T**, O’Leary DS, Magnotta V, Flaum M, Arndt S, Andreasen NC (2001) Anatomic and functional variability: The effects of filter size in fMRI data analysis. *NeuroImage*, 13: 577-588.

Stephan KE, Magnotta VA, **White T**, Flaum M, O’Leary DS, Andreasen NC (2001) Effects of olanzapine on cerebellar functional connectivity in schizophrenic patients during a simple motor task. *Psychological Medicine*, 31: 1065-1078.

**White T**, Schulz, SK (2000) Naltrexone in a 3½-year-old boy with self injurious behavior: *Am J Psychiatry*, 157: 1574-1582.

## **Book Chapters / Books / Articles**

**White T**, Lim KO (In Press) Diffusion Tensor Imaging in Psychiatric Disorders. Ed: Derik Jones. Oxford University Press (anticipated publication, 2010).

Anjum A, Gait P, Cullen K, **White T** (In Press) Schizophrenia in Adolescents and Young Adults. Eds: Jon E. Grant & Marc N. Potenza. Oxford University Press (anticipated publication, 2010).

Karatekin, C, Couperus, JW, Marcus DJ, & **White T** (in press). Effects of delay and retrieval mode on memory-guided saccades in 10-year-olds and adults. To be published in N. B. Johansen (Ed.), *New Research on Short-Term Memory*. Happaage, NY: Nova Science Publishers.

**White T**, Hilgetag C (2009) Gyrfication and Development of the Cerebral Cortex. Eds: Charles Nelson & Monica Luciana. *Handbook of Developmental Cognitive Neuroscience*. MIT Press, Cambridge, Massachusetts.

**White T** (2008) Schizophrenia. In: *Diseases and Disorders*. Vol. 3. Brown Reference Group, London, England.

**White T** (2008) Psychotic Disorders. In: *Diseases and Disorders*. Vol. 3. Brown Reference Group, London, England.

**White T** (2004) Brain imaging in childhood and adolescent psychiatric disorders. *Minnesota Association for Children’s Mental Health, Networker* 13, 2-3.

**White T**, Nelson CA (2005) Neurobiological Development During Childhood and Adolescence. Eds: S. Charles Schulz & Robert Findling. Johns Hopkins University Press. Baltimore, MD.

Wozniak J, **White T**, Schulz SC (2005) Neuropsychological Factors in Early-Onset Schizophrenia. In: *Juvenile Schizophrenia*. Eds: S. Charles Schulz & Robert Findling. Johns Hopkins University Press. Baltimore, MD.

Drell MJ, **White TJH**: (2005) Children’s reaction to illness and hospitalization. In: *Kaplan & Sadock’s Comprehensive Textbook of Psychiatry – 8<sup>th</sup> Edition*, Eds: Harold I. Kaplan and Virginia Sadock.

Drell MJ, **White TJH**: Children’s reaction to illness and hospitalization. *Comprehensive Textbook of Psychiatry – 7<sup>th</sup> Edition*, Eds: Harold I. Kaplan and Benjamin J. Sadock (2000).

## **Master’s Thesis**

White T, [Design and Noise Analysis of an Operational Amplifier- Photodiode Pair for Use in Fiber Optic Sensors](#), Masters Thesis in Electrical Engineering, University of Illinois at Champaign-Urbana, October 1987.

## **GRANTS**

**Biomedical Genetics Center at the University of Minnesota**: \$5,375 for one year. Feb 1, 2007 – Jan 31, 2008. Project title: “*Developmental Genomics of the Adolescent Brain*.”

**National Alliance for Research in Schizophrenia and Affective Disorders (NARSAD):** \$30,000 per year for two years. Jul 2006 – Jul 2006. Project title: *“A Study of Prefrontal Structure and Function in Children and Adolescents with Velocardiofacial syndrome.”*

**National Institutes of Mental Health Career Development Award (K-08 MH068540)** – Jun 1, 2004 to May 31, 2009. \$908,652 over five years Project Title: *“Functional Connectivity in Schizophrenia.”*

**Mental Illness and Neuroscience Discover (MIND) Institute** - \$50,000 per year from Jan 1, 2003 to Dec 31, 2005. Project Title: *“Disregulation of Optimized Cognition in Schizophrenia.”*

**National Alliance for Research in Schizophrenia and Affective Disorders (NARSAD):** \$30,000 per year for two years. Jul 2002 – Jul 2004. Project title: *“Brain Surface Morphology in Childhood and Adolescent Schizophrenia.”*

**Center for Neurobehavioral Development** – (Co-PI: Canan Karatekin, Ph.D.) \$9,230 from Mar 2002 to Mar 2003. Project Title: *“A Multi-Method Study of Prefrontal-Meditated Tasks in Children and Adolescents with Schizophrenia & Their Siblings.”*

**Mental Illness and Neuroscience Discover (MIND) Institute** - \$41,281 from Jan 1, 2002 to Dec 31, 2002. Project Title: *“An fMRI study of spatial working memory in children and adolescents with schizophrenia.”*

**Eli Lilly Pilot Research Award** - \$10,000 Granted through the Office of Research, American Academy of Child and Adolescent Psychiatry, Mar 1995 to Dec 1995. Project: *“The relationship between family functioning, perceived compliance, and psychopathology in children and adolescents with cystic fibrosis.”* Mentor: *William McMahon, M.D.*

## **ADMINISTRATIVE AND COMMUNITY ACTIVITIES**

### ***National (United States)***

**Psychopharmacologic Drugs Advisory Committee – (FDA), June 2009 – Present:** Serving on a committee to provide advice to the US Food and Drug Administration (FDA) on issues related to indications, approvals, and warnings related to psychiatric medications.

**Pediatric Ethics Subcommittee of the Pediatric Advisory Committee - Fedral Drug Administration (FDA) and the United States Office for Human Research Protections (OHRP) , September 2004:** Worked on a committee evaluating the ethics of the use of a single dose of amphetamine in a control group of healthy children. Title: *“Effects of a Single Dose of Dextroamphetamine in Attention Deficit Hyperactivity Disorder; A Functional Magnetic Resonance Study.”* (See *Wall Street Journal, Sep 13, 2004*).

### ***University Activities***

**Director – Youth Psychosis Clinic- University of Minnesota Medical School (October 2001 – 2009)** – Developing and directing a clinic directed towards those with schizophrenia spectrum disorders. The team represents a pediatric neuropsychologist and a clinical child psychologist with specialty in CBT and family interventions.

**Head: Search Committee – Department of Psychiatry- University of Minnesota (February 2006 – 2008)** – Involved with a team of faculty members searching for qualified candidates to fill a position in first-episode work in schizophrenia.

**Executive Committee – Department of Psychiatry - University of Minnesota Medical School (2002 – 2009)** – Serving as the junior faculty member on the committee that formulates the mission and vision for the Department of Psychiatry.

**Steering Committee – Center for Excellence in Children’s Mental Health** (January 2004 to November 2006): Working on a project to develop a Center for Excellence in Children’s Mental Health that couples community organizations with the University of Minnesota.

**Children, Family, and Youth Consortium Advisory Committee (August 2001 to May 2003):** To provide a resource to inform legislators who are determining public policy. The goal is that research is coupled to the development of public policy.

**Search Committee – Institute of Child Development- University of Minnesota (November 2004 – February 2005)** – Involved in a team of faculty members evaluating candidates to fill two faculty positions in the Institute of Child Development.

**General Clinical Research Center Grant Review Committee at the University of Minnesota (September 2001 to June 2004)** – Reviewing of grants submitted to be run through the GCRC at the University of Minnesota.

**Director – Pediatric Consultation-Liaison - Creighton Nebraska Department of Psychiatry (September 1995 – December 1998)** - Coordination of activities involved in providing consultation and liaison to pediatricians and pediatric sub-specialists. This also involves the development of relationships with other mental health professionals and the integration of child fellows within the consultation-liaison service. Ongoing consultation is also provided to the eating disorder’s program.

**Director - Pediatric Neurobehavioral Clinic - Creighton Nebraska Department of Psychiatry (September 1995 – December 1998)** - Developed and directed a multidisciplinary clinic targeting children and adolescents with behavioral difficulties secondary to neurologic, genetic, developmental, endocrine, or metabolic conditions. Team representatives include pediatric neurology, pediatric neuropsychology, speech and language pathology, social work and child and adolescent psychiatry.

**Outpatient Eating Disorders Clinic - Creighton Nebraska Department of Psychiatry (September 1995 – December 1998)** - Developed an outpatient eating disorders clinic within the Eating Disorders Program at the University of Nebraska. This clinic works within the existing program focusing on psychopharmacological evaluation and treatment.

## ***Community***

**Board Member – Minnesota Association for Children’s Mental Health** (November 2003 to 2009): Serving on the board of this excellent community organization that engages in mental health education and promotes the welfare of children with mental health issues.

**Educational Network of Minnesota** (December 2002 to 2008): Serving as a member of this community organization that promotes mental health education and the reduction of stigma in those afflicted with psychiatric disorders. We have developed educational packets that are provided to hospitalized patients and families. We also organize a yearly mental health walk to promote research.

## **TEACHING ACTIVITIES (Past and Present)**

**Medical Student Teaching:** Teaching has included both informal and formal lectures to medical students (e.g., Psychosis in Children and Adolescents, Brain Development during Adolescence, Affective and Anxiety Disorders in Children and Adolescents; Overview of Child and Adolescent Psychiatry; Pregnancy, Birth and Early Attachment, Eating Disorders). Clinical teaching of junior medical students in ambulatory clinics (Outpatient Eating Disorders Clinic and Neurobehavioral Clinic).

**Pediatric Housestaff:** Formal didactic lectures on child and adolescent psychiatry topics (e.g., Suicidal Behavior in Children and Adolescents, Conduct Disorder, Autism). Clinical teaching of third year pediatric residents during adolescent medicine rotation.

**Psychiatry Residents:** Long term psychotherapy supervision. Supervision with case management of adult residents rotating through the child and adolescent psychiatry division. Supervision of child and adolescent cases with on-call residents.

**Child and Adolescent Fellows:** Teaching has included Morning Case Conferences, Journal Club, Continuous Case Conference, frequent lectures on a myriad child and adolescent psychiatry topics. Consultation-Liaison Supervision. Case presentation of consultation cases and teaching during the Neurobehavioral Clinic. Psychotherapy supervision. Medication management supervision.

**Graduate School:** Have provided lectures on Psychosis in Children and Adolescents, Schizophrenia, and Structural Brain Imaging as a guest lecturer to the Institute of Child Development, the Department of Psychology, and in the Department of Biomedical Engineering.

**Undergraduate and High School:** Participated in the Mentor Connection through the Minneapolis School District, allowing senior high school students to become involved in research and assisting them with their senior projects. Guest lecturer at various undergraduate courses involving the neurobiology of development and mental illness.

### **Local, National, and International Presentations**

**University of Minnesota 8<sup>th</sup> Annual Psychiatric Review:** "Monitoring of Pharmacological Treatments in Pediatric Psychiatry." September 2007, Minneapolis, Minnesota.

**Minnesota Association for Children's Mental Health Conference:** "Brain Imaging and Social Skills CBT in Children and Adolescents with Schizophrenia." April 2007, Duluth, Minnesota.

**Minnesota Association for Children's Mental Health Conference:** "Antipsychotic and Mood Stabilizers in Pediatric Populations." April 2007, Duluth, Minnesota.

**International Congress on Schizophrenia Research:** "Diffusion Tensor Imaging of Limbic Networks in Children and Adolescents with Schizophrenia." April 2007, Colorado Springs, Colorado

**Regional Meeting of Adolescent Psychiatrists:** "Brain Imaging in Pediatric Bipolar Affective Disorder." St. Paul, Minnesota. September 8, 2004.

**Conference: Women's Mental Health Across the Lifespan:** "Gender Differences in Brain Development," Bloomington, Minnesota. September 28, 2004.

**Center for Neurobehavioral Development:** "Neurodevelopment through the eyes of a scanner," February 12, 2002.

**University of Minnesota Department of Psychiatry:** "From String to Symphony: Understanding MRI and fMRI," November 20, 2002.

**Children's Hospital; Omaha, Nebraska:** "Depression in Children and Adolescents with Chronic Medical Problems," February 9, 1996.

**Creighton-Nebraska Department of Psychiatry:** Case Presentation: "Withholding Information from Children and Adolescents: A case of the parents withholding the diagnosis of cystic fibrosis in a patient until 18 years of age," February 14, 1996.

**Creighton-Nebraska Department of Psychiatry:** "Family Function, Psychopathology, and Compliance in Children and Adolescents with Cystic Fibrosis." June 5, 1996.

**Creighton-Nebraska Department of Psychiatry:** "Psychopathology and Development: A Walk through Chronic Medical Conditions." September 17, 1997.

*Hospital Vos Andes; Quito, Ecuador: "Attention Deficit Hyperactivity Disorder: An Update." October 7, 1998.*

*Creighton-Nebraska Department of Psychiatry. "The Neurobehavioral Clinic." January 6, 1999. In conjunction with Ivan Pavkovic, MD (pediatric neurology), William Warzak, Ph.D. (pediatric neuropsychiatry), Laura Ball, Ph.D. (speech and language pathology), and Debrah Reah, LCSW (social work).*

## **CERTIFICATION and LICENSURE**

Board Certified in Adult Psychiatry	January 1998
Board Eligible in Child and Adolescent Psychiatry	July 1995
Board Certified in Pediatrics	October 1995
Recertification in Pediatrics	August of 2002

Minnesota Board of Medical Practice, 2829 University Ave. S.E., Mpls, MN 55414-3246  
Dates: 2001 - present  
Medicine and Surgery 44410

Controlled Substances Registration Certificate United States Department of Justice

### **United States of America Drug Enforcement Administration**

Dates:	1991 - present
DEA Registration Number	BW3296832
Schedules	2, 2N, 3, 3N, 4, 5
Pediatric Advanced Life Support Certification	9/90, 12/93
Basic Life Support	12/06

## **HONORS AND AWARDS**

Kempf Fund Award for Research Development in Psychobiological Psychiatry, Presented by the American Psychiatric Association on May 20, 2002.

James Scholar - University of Illinois College of Medicine

Outstanding James Scholar Award - May 1990, University of Illinois College of Medicine

The Bertram Richardson Fellowship - University of Illinois College of Medicine

Graduate Magna Cum Laude, University of Utah

Tau Beta Pi National Engineering Honor Society

## **REFERENCES**

 Available on request.