

Jennifer Rose Lofton Mathews
Curriculum Vitae

Washington University in St. Louis
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EDUCATION

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| 2007 | <p>Ph.D. Candidate, Clinical Neuropsychology
<i>Washington University, Graduate School of Arts & Sciences, St. Louis, MO</i>
<u>Dissertation</u>: "Emotional processing, social cognition, and social functioning deficits in schizophrenia."
<u>Dissertation Chair</u>: Deanna M. Barch, Ph.D.
<u>Committee</u>: Thomas Oltmanns, Ph.D., Randy Larsen, Ph.D., Michael Strube, Ph.D., Tamara Hershey, Ph.D., & Yvette Sheline, M.D.</p> |
| 2004 | <p>M.A., Clinical Neuropsychology
<i>Washington University, Graduate School of Arts & Sciences, St. Louis, MO</i>
<u>Master's Thesis</u>: "Episodic memory for emotional and non-emotional words in individuals with anhedonia."
<u>Advisor</u>: Deanna M. Barch, Ph.D.</p> |
| 2001 | <p>B.A., Magna Cum Laude in Psychology
<i>Washington University, School of Arts & Sciences, St. Louis, MO</i>
<u>Honors Thesis</u>: "Episodic memory for emotional and non-emotional words in schizophrenia."
<u>Advisor</u>: Deanna M. Barch, Ph.D.</p> |
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ACADEMIC HONORS

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| Ruth L. Kirschstein National Research Service Award (NRSA), NIH Predoctoral Fellowship | 2006-2007 |
| Teaching Assistantship, Washington University, Department of Psychology | 2003-2005 |
| Research Assistantship, Washington University, Department of Psychology | 2003-2006 |
| Summer Fellowship, Washington University, Department of Psychology | 2003-2004 |
| Student Travel Award, Washington University, Department of Psychology | 2001-2006 |
| Washington University Graduate School of Arts and Sciences, Tuition Fellowship | 2001-2002 |
| Magna Cum Laude, Washington University in St. Louis | 2001 |
| Dean's List, Washington University | 2000-2001 |
| Dean's List, University of Missouri St. Louis | 1997-1999 |

FORMAL PRACTICA

Spring 2006

Practicum Student

St. Louis Psychiatric Rehabilitation Center, St. Louis, MO

Department of Clinical Psychology

Supervisor: Meena Dhawan, Ph.D.

Responsibilities: Conducted neuropsychological testing, group therapy, individual therapy, and competency training with chronic psychiatric inpatients in a forensic hospital. Conducted chart reviews and wrote chart notes documenting patients' neuropsychological and psychological functioning. Wrote five comprehensive neuropsychological reports during the year. Received weekly supervision regarding ongoing cases.

Fall 2005

Practicum Student

SSM Rehabilitation Institute, St. Louis, MO

Department of Clinical Psychology

Supervisors: Patricia V. Cooper, Ph.D.

Gerard Erker, Ph.D.

Meredith Melinder, Ph.D.

Responsibilities: Conducted neurobehavioral screening and neuropsychological testing of inpatient rehabilitation patients (e.g. brain injury, spinal cord injury, post-amputation). Conducted chart reviews and wrote chart notes documenting patients' neuropsychological and psychological function. Presented neuropsychological cases in bi-weekly rehabilitation team meetings regarding patient assessment, rehabilitation, and discharge planning. Wrote full neuropsychological reports for all testing cases. Received weekly supervision regarding ongoing cases.

2004-2005

Practicum Student

Rehabilitation Institute of St. Louis, St. Louis, MO

Department of Neurology

Supervisor: Robert Fucetola, Ph.D., ABPP-CN

Responsibilities: Performed chart reviews and patient/family interviews. Helped design test batteries and conducted neuropsychological testing with adult inpatient and outpatient neurological populations. Wrote behavioral observations and data summaries regarding patient performance. Wrote seven comprehensive neuropsychological reports during the year. Received weekly supervision regarding ongoing cases.

PRACTICA CONT.

2003-present

Clinical Assistant/Neuropsychological Assistant

*Psychological Services Center, St. Louis, MO
Washington University
Department of Psychology*

Supervisors: Deanna M. Barch, Ph.D. (Therapy)
Kenneth Bohm, Ph.D. (Therapy)
Robert Lewis, Ph.D. (Therapy)
Patricia Cooper, Ph.D. (Neuropsychology)
Denise Head, Ph.D. (Neuropsychology)

Responsibilities:

1. Performed interpersonal, family-systems, and cognitive-behavioral psychotherapy and psychological testing (MMPI-II) at an outpatient clinic. Wrote intake reports, progress notes, and termination summaries for each case. Received weekly individual and team supervision regarding ongoing therapy cases.
2. Twice a year, performed neuropsychological testing and diagnostic interviews on adults and adolescents at an outpatient clinic. Selected appropriate battery of tests for diagnostic question, scored neuropsychological tests, wrote corresponding neuropsychological reports and provided feedback to appropriate individuals.

ADDITIONAL CLINICAL

2005-2006

Research Assistant

*Washington University
Department of Psychology*

Supervisors: Deanna M. Barch, Ph.D.

Responsibilities: Performed diagnostic evaluations using the Structured Clinical Interview for DSM-IV (SCID) to determine eligibility for various studies examining schizophrenia. Assessed patients on social functioning using the Birchwood Social Functioning Scale. Attended biweekly calibrations to ensure consistent ratings on the SCID.

2004-Present

Peer Clinical Supervisor

*Washington University
Department of Psychology*

Supervisor: Desirée A. White, Ph.D.

Responsibilities: Observed ongoing and videotaped cognitive and neuropsychological assessments conducted by first-year graduate students. Provided feedback about assessment techniques. Provided written feedback on cognitive and neuropsychological assessment reports.

ADDL CLINICAL CONT.

2001-2002

Research Assistant

*Washington University
Department of Psychology*

Supervisors: Deanna M. Barch, Ph.D.

Responsibilities: Administered the SCID and SCID-II to assess eligibility for studies examining individuals with schizophrenia and schizotypal personality disorder. Administered and scored parts of the WAIS and WMS to assess for intellectual functioning in research participants.

1999-2000

Research Assistant

*Washington University School of Medicine
Department of Psychiatry*

Supervisors: Yvette Sheline, M.D.

Responsibilities: Administered and scored the WAIS and WMS to assess intellectual functioning in individuals with depression. Performed early childhood stress interviews on research participants with depression.

1998-1999

Patient Care Technician

*Barnes-Jewish Hospital
Acute in-patient psychiatric unit*

Supervisor: Bonnie Hunt, R.N.

Responsibilities: Observed assigned patients, conducted chart reviews, and completed chart notes on patients' behaviors. Assisted patients with ADLs. Assisted nursing and psychiatric staff with physical examinations and acute patient transfers. Conducted vital sign examinations of all assigned patients.

1998-1999

Undergraduate Practicum Student

ALIVE (alternatives to living in violent environments)

Supervisor: Ann Boston

Responsibilities: Conducted intake assessments for women trying to leave violent partners. Attended group therapy sessions for women who had left or were continuing in violent relationships. Answered crisis phone calls. Completed exit summaries for clients.

RESEARCH

2002-present

Graduate Student

Washington University
Department of Psychology
Cognitive Control and Psychopathology Lab
Supervisor: Deanna M. Barch, Ph.D.

Emotional processing, social cognition, and social functioning deficits in schizophrenia

Primary Investigator: This project is my dissertation work. I used behavioral and neuroimaging methods to examine the contribution that social cognition and emotional processing make to social functioning deficits in individuals with schizophrenia. I performed data collection and analyses, wrote the dissertation and I am preparing this research for publication as first author.

Emotional processing and episodic memory in schizophrenia: Influences of emotional processing on the amygdala.

Primary Investigator: I used self-rating of emotional stimuli to assess emotional experience during an fMRI incidental encoding task in individuals with schizophrenia. This was followed by immediate recall and recognition of the emotional stimuli to assess for emotional processing that may be less confounded with demand characteristics. I performed data collection, data analyses, and prepared data for presentation at a national conference. Currently, I am preparing this research for publication as first author.

Episodic memory for emotional and non-emotional words in individuals with anhedonia

Primary Investigator: This project was my master's thesis. I performed data analyses, prepared the data for presentation at a national conference, and prepared the research for publication as first author. This paper is *In Press* with *Psychiatry Research*.

2000-2002

Undergraduate/Research Assistant

Washington University
Department of Psychology
Supervisors: Deanna M. Barch, Ph.D.

Responsibilities: Provided research and administrative assistance to members of the Cognitive Control and Psychopathology Laboratory conducting research on schizophrenia and schizotypal personality disorder. Duties included: grant preparation, experimental design, recruiting and running subjects for behavioral and fMRI studies, statistical analyses, subject database maintenance, preparation of figures, slides, and presentations, assistance editing manuscripts, and purchasing and financial accounting.

RESEARCH CONT.

2000-2002 (cont.)

Episodic memory for emotional and non-emotional words in schizophrenia

Primary Investigator: This project is my honor's thesis. I designed and conducted an experiment to assess emotional processing in individuals with schizophrenia. I performed data analyses, prepared the data for presentation at a national conference, presented the data at a national conference, and prepared the research for publication as first author. This paper is published in *Cognition and Emotion* (2004), 18:6, 721-740

Hemodynamic responses in visual, motor, and somatosensory cortices in schizophrenia

Collaborator: Under the supervision of Dr. Barch, I recruited and ran individuals with schizophrenia on fMRI tasks that required them to view flickering checkerboards to assess potential differences in the hemodynamic response across visual, motor, and somatosensory domains. I performed data collection and helped with data analyses. I have second authorship on this paper published in *Neuroimage* (2003), 20, 1884-1893.

Emotional reactivity in individuals with schizotypal personality disorder

Collaborator: In collaboration with Dr. Barch, I conducted SCID-II assessments and intellectual and behavioral testing to assess for emotional reactivity in individuals with schizotypal personality disorder.

1998-2000

Research Assistant

Washington University School of Medicine

Department of Psychiatry

Supervisor: Yvette Sheline, M.D.

Responsibilities: Provided research and administrative assistance to members of a psychiatric neurosciences lab. Duties included: data collection, data analyses, clinical testing, preparation of posters for conferences, and preparation and editing of manuscripts.

Medical disorders among patients admitted to a public-sector psychiatric inpatient unit

Collaborator: I organized and analyzed an existing data set on medical diagnoses in psychiatric inpatients. I assisted with database organization, data analysis and preparation of manuscript as sixth author in *Psychiatric Services* (2002), 53, 1623-1625.

RESEARCH CONT.

1998-2000

Depression duration but not age predicts hippocampal volume loss in medically healthy women with recurrent major depression

Collaborator: I helped with recruitment, interviews of lifetime stress, and neuropsychological testing of older women who had a long history of major depressive disorder.

TEACHING

Spring 2005
&
Spring 2004

Graduate Teaching Assistant

*Washington University
Department of Psychology*

Supervisor: Thomas Oltmanns, Ph.D.

Course: Abnormal Psychology

Enrollment: 63 (2005) 75 (2004)

Responsibilities: Assisted in the development of the syllabus and course content of an undergraduate level course in abnormal psychology. Graded multiple choice and short essay answers from quarterly exams and a final exam. Developed two lectures independently and presented them in class. Designed and maintained the grade database. Developed and maintained course website, which included exam grades, lecture notes, additional readings, and links that were pertinent to class material. Led review sessions prior to each exam.

Fall 2004

Supervisor: Jim Reed, Ph.D.

Course: Adolescent Psychology

Enrollment: 81

Responsibilities: Assisted in the development of the syllabus and course content of an undergraduate level course in adolescent psychology. Graded multiple choice and short essay answers from quarterly exams and a final exam. Graded three written assignments throughout the semester. Developed one lecture independently and presented this in class. Designed and maintained grade database. Developed and maintained course website, which included exam grades, lecture notes, additional readings, and links that were pertinent to class material. Led review sessions prior to each exam.

Fall 2003

Supervisor: Deanna M Barch, Ph.D.

Course: Abnormal Psychology

Enrollment: 72

Responsibilities: Assisted in the development of the syllabus, course content and exams for an undergraduate level course in abnormal psychology. Graded multiple choice and short essay answers from quarterly exams and a final exam. Developed one lecture independently and presented this in class. Designed and maintained grade database. Developed and maintained course website, which included exam grades, lecture notes, additional readings, and links that were pertinent to class material. Led review sessions prior to each exam.

PUBLICATIONS

Mathews, J. & Barch, D. (2006). Emotional processing and episodic memory in schizophrenia: Influences of emotional processing on the amygdala. In Preparation.

Mathews, J. & Barch D. (2006). Episodic memory for emotional and non-emotional words in individuals with anhedonia. In Press, *Psychiatry Research*.

Mathews, J. & Barch, D. (2003). Episodic memory for emotional and non-emotional words in schizophrenia. *Cognition and Emotion*, 18:6, 721-740.

Barch, D. M., **Mathews, J. R.**, Buckner, R. L., Maccotta, L., Csernansky, J. G., & Snyder, A. Z. (2003). Hemodynamic responses in visual, motor and somatosensory cortices in schizophrenia. *NeuroImage*, 20, 1884-1893.

Koran, L.M., Sheline, Y. I., Imai, K., Kelsey, T. G., Freedland, K. E., **Mathews, J. R.**, & Moore, M. (2002). Medical disorders among patients admitted to a public-sector psychiatric inpatient unit, *Psychiatric Services*, 53, 1623-1625.

ABSTRACTS

Mathews, J.R. & Barch, D.M. (2003). The integrity of emotional memory in psychosis-prone individuals. *Schizophrenia Research*, 60:1, 175.

Barch, D.M. & **Mathews, J.R.** (2003). The integrity of the hemodynamic response in visual and motor cortex in schizophrenia. *Schizophrenia Research*, 60:1, 212.

PRESENTATIONS AT NATIONAL CONFERENCES

Mathews, J. R., & Barch, D. M. (October 2004). *Emotional arousal and episodic memory in schizophrenia: Influences on the amygdala and ventromedial prefrontal cortex*. Poster presented at the Society for Research in Psychopathology, St. Louis.

Mathews, J. R., & Barch, D. M. (October 2004). *Emotional arousal and episodic memory in schizophrenia: Influences on the amygdala and ventromedial prefrontal cortex*. Poster presented at the Society for Neuroscience, San Diego.

Mathews, J. R., & Barch, D. M. (October 2003). *The integrity of emotional memory in psychosis-prone individuals*. Poster presented at the International Congress on Schizophrenia Research, Toronto.

Mathews, J. R., & Barch, D. M. (April 2003). *The integrity of emotional memory in psychosis-prone individuals*. Poster presented at the International Congress on Schizophrenia Research, Colorado Springs.

Barch, D. M. & **Mathews, J. R.** (April 2003). The integrity of the hemodynamic response in visual and motor cortex in schizophrenia. Poster presented at the International Congress on Schizophrenia Research, Colorado Springs.

Mathews, J. R., & Barch, D. M. (November 2001). *Episodic memory for emotional and non-emotional words in schizophrenia*. Poster presented at the Society for Research in Psychopathology, Madison.

Mathews, J. R., & Barch, D. M. (May 2001). *Episodic memory for emotionally-laden words in patients with schizophrenia*. Poster presented at the Midwestern Psychological Association, Chicago.

PRESENTATIONS AT REGIONAL CONFERENCES

Mathews, J. R., & Barch, D. M. (October 2003). *Emotional arousal and episodic memory: Influences on the amygdala and ventromedial prefrontal cortex*. Poster presented at the Neuroscience Retreat, Potosi MO.

DEPARTMENTAL PRESENTATIONS

Stroke or Closed Head Injury – Which is Worse? Two Neuropsychological Cases. Talk presented at the Clinical Case Colloquium, Department of Psychology, Washington University, St. Louis, MO, March 2006.

Anhedonia and emotional memory. Talk presented at the Clinical Research Colloquium, Department of Psychology, Washington University, St. Louis, MO, October 2003.

DEPARTMENTAL SERVICE

2002-present Washington University, Department of Psychology, Admission Committee, *Student Interviewer*

2003-2004 Washington University, Department of Psychology, Peer Mentoring Program, *Peer Mentor*

2003 Washington University, Dept. of Psychology, Clinical Psychology Faculty Meetings, *Neuropsychology Graduate Student Representative*

COMMUNITY SERVICE

1998-1999 ALIVE (Alternatives to Living in Violent Environments), Crisis center for abused women and children, *Volunteer and Undergraduate Practicum Student*

1997-1999 Epworth, Residential facility for troubled and abused adolescents, *Volunteer*.

PROFESSIONAL AFFILIATIONS

Society for Research in Psychopathology, Student Member

American Psychological Association, Student Affiliate

American Psychological Association, Division 40 (Neuropsychology)

Washington University Psychology Graduate Student Association, Student Member

WIN, Women in Neuropsychology