

Harvard Medical School/Curriculum Vitae

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Name

Jennifer Fitzsimmons

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Education

10/1992-07/1999 MD Doctor in Medicine and Surgery

University of Zaragoza- School of Medicine

Zaragoza, Spain

Postdoctoral Training

2012-2014 Postdoctoral Fellow, Clinical Training Research Program, Judge Baker
Children's Center, Boston, MA.

2006-2008 Postdoctoral Fellow, Harvard Medical School.

Faculty Academic Appointments

2009 - Present Instructor Harvard Medical School (HMS).

2007 - Present Instructor for medical interpreters, Hospital for Special Surgery NY.

Appointments at Harvard Hospitals

2006-2008 Research Fellow Psychiatry Neuroimaging Laboratory,
Department of Psychiatry, BWH, HMS.

2009 - Present Research Associate Psychiatry Neuroimaging Laboratory,
Department of Psychiatry, BWH, HMS.

2012-2014 Clinical Research Fellow Judge Baker Children's Center, Boston, MA.

Editorial Activities

Ad Hoc Reviewer:

Schizophrenia Research

Brain Research

PLoS ONE

Psychiatry Research: Neuroimaging

Schizophrenia Bulletin

Report of Local Teaching and Training

Teaching of students in courses

2007- Developed education materials and taught course for medical interpreters.

Hospital for Special Surgery NY.

Laboratory and Other Research Supervisory and Training Responsibilities

Formally supervised trainees

2006-2007 Georgia Bushell/ Research Assistant.

2007-2008 Kate Smith/ Research Assistant.

2009-2010 Doug Terry/ Research Assistant.

2010-2011 Rebecca King/ Research Assistant.

2011- 2014 Tali Swisher/ Research Assistant.

2013-2014 Brian Dahlben/ Research Assistant.

Supervision of Summer Students.

2012 Yilmaz Satirer/ Medical Student 5th year.

2012 Chandler Dunn

2013 Pedro Rosa/ MD Psychiatrist (University of São Paulo, Brasil)

2013 Elif Gurdeniz/ Medical Student 4th year.

2014 Elan Baski

2014 Esmanur Demir/ Medical Student 4th year.

Local Invited Presentations

- 2008 Presentation on Diffusion Tractography of the Fornix in Schizophrenia.
Psychiatry Neuroimaging Laboratory.
- 2012 Presentation on Inflammation and White Matter in Schizophrenia.
Judge Baker Children's Center.
- 2013 Presentation on Neuroimaging in Schizophrenia.
Judge Baker Children's Center.
- 2014 Presentation on White Matter Tractography in Individuals at High Risk of
Psychosis. Judge Baker Children's Center.

Service to the community

- 1993-1999 Iglesia del Carmen Zaragoza, Spain
Volunteer at a local church meal program for the homeless.
- 1996-1999 Faculty student committee Zaragoza, Spain
Organized events for medical students, promoted and facilitate
Communication between faculty and students.
- 2005- 2009 Volunteer work with mentally handicapped girls. Kadi-India.
- 2004-2006 Community clinic - Provided assistance to underserved population
Appleton, WI

Report of Scholarship

Publications

1. **J. Fitzsimmons**, M. Kubicki, K. Smith, G. Bushell, R. Estepar, C.F. Westin, P. G. Nestor, M. Niznikiewicz, R. Kikinis, R. McCarley, M. E. Shenton. *Diffusion tractography of the Fornix in schizophrenia*. *Schiz Res*, 2009; 107:39-46.
2. G. Rosenberger, P.G. Nestor, J.S. Oh, J.J. Levitt, G. Kindlerman, S. Bouix, **J. Fitzsimmons**, M. Niznikiewicz, C.F. Westin, R. Kikinis, R.W. McCarley, M.E. Shenton, M. Kubicki. *Anterior limb of the internal capsule in schizophrenia: a diffusion tensor tractography study*. *Brain Imaging Behav*, 2012; Epub ahead of print.
3. **J. Fitzsimmons**, M. Kubicki, Shenton M: *Review of functional and anatomical brain connectivity findings in schizophrenia*. *Curr Opin Psychiatry* 2013. Mar;26(2):172-87.
4. **J. Fitzsimmons**, Hamoda HM, Swisher T, Terry D, Rosenberger G, Seidman LJ, Goldstein J, Mesholam-Gately R, Petryshen T, Wojcik J, Kikinis R, Kubicki M. *Diffusion Tensor Imaging Study of the Fornix in First Episode Schizophrenia and in Healthy Controls*. *Schiz Res*, 2014; 156:157-160.
5. **J. Fitzsimmons**, J S. Schneiderman, T.J. Whitford, T. Swisher, M.A. Niznikiewicz, P. E. Pelavin, D. P.Terry, R. I. Mesholam-Gately, L.J. Seidman, J.M. Goldstein, M. Kubicki. *Cingulum bundle diffusivity and delusions of reference in first episode and chronic schizophrenia*. *Psychiatry Research: Neuroimaging* 2014 (In press).

Abstract

1. **Fitzsimmons J**, Kubicki M, Smith K, San Jose R, Westin CF, Kikinis R, McCarley R, Shenton M. "*Diffusion Tractography of the Fornix in Male Schizophrenic Patients*". Abstract acceptance and poster presentation at Biological Psychiatry Annual Conference, San Diego May 2007.
2. Shenton ME, Kawashima T, **Fitzsimmons J**, Salisbury D, Bouix S, Westin CF, McCarley RW, Kubicki M. Advances in white matter imaging of schizophrenia. *The Journal of The European College of Neuropsychopharmacology*, 2008;18(Supplement 4):S176.
3. **Fitzsimmons J**, Hamoda H, Swisher T, Terry D, Rosenberger G, Seidman LJ, Goldstein J, Mesholam-Gately R, Petryshen T, Wojcik J, Kikinis R, McCarley RW, Shenton ME, Kubicki M. "Diffusion Tensor Imaging Study of the Fornix in First Episode Schizophrenia and in Healthy Controls". Abstract acceptance and Late-Breaking poster presentation at Biological Psychiatry Annual Conference, San Francisco May 2013.
4. **Fitzsimmons J**, Rosa P, 2, Gurdeniz E, Dahlben B, Giwerc M, Seidman LJ, Goldstein J, Mesholam-Gately R, Wojcik J, McCarley RW, Kikinis R, Shenton ME,

Kubicki M. "Diffusion Tensor Imaging Study of the Cingulum Bundle in Individuals at Clinical High Risk of Schizophrenia and in Healthy Controls". Abstract acceptance and Late-Breaking poster presentation at Biological Psychiatry Annual Conference, New York May 2014.

Poster Presentation

1. **Fitzsimmons J**, Kubicki M, Smith K, San Jose R, Westin CF, Kikinis R, McCarley R, Shenton M, *Diffusion Tractography of the Fornix in Male Schizophrenic Patients*, in: *Mysell Harvard Research Day, Psychiatry Annual Meeting, April 2007*.
2. **Fitzsimmons J**, Smith K, Kubicki M, San Jose R, Westin CF, Kikinis R, McCarley R, Shenton M, *Fornix in First Episode Schizophrenia: A Diffusion Tractography Study*, in: *Mysell Harvard Research Day Psychiatry Annual Meeting, April 2008*.
3. **Fitzsimmons J**, Terry D, Kubicki M, San Jose R, Westin CF, Salisbury D, Kikinis R, McCarley R, Shenton M, *A Longitudinal Diffusion Tensor Imaging Study of the Fornix in First Episode Schizophrenia and in Healthy Controls*, in: *Mysell Harvard Research Day, Psychiatry Annual Meeting, 2009*.
4. **Fitzsimmons J**, Hamoda H, Swisher T, Terry D, Rosenberger G, Seidman LJ, Goldstein J, Meshulam-Gately R, Petryshen T, Wojcik J, Kikinis R, McCarley RW, Shenton ME, Kubicki M, *Diffusion Tensor Imaging Study of the Fornix in First Episode Schizophrenia: Mysell Harvard Research Day, Psychiatry Annual Meeting, 2013*.

Ongoing Research Support

Veterans Administration Merit Review (Shenton) 10/01/10 – 09/30/14
MR Brain Diffusion Tensor Imaging in Schizophrenia
The main goal is to use diffusion imaging techniques to understand brain abnormalities in schizophrenia.
Role: Investigator

Completed Research Support

NIH/NIMH 2R01 MH50740-15 (Shenton) 05/01/94 – 08/31/10
Computerized Image Analyses of MR Scans in Schizophrenia
The goal of this grant is to localize further brain abnormalities in patients afflicted with schizophrenia.
Role: Investigator

NIGHS/NIH U54EB005159 (Kikinis)

09/17/04 – 07/31/10

National Alliance for Medical Image Computing

Core 3.1 Structural and Functional Connectivity in Schizophrenia (PI: Kubicki) (08-01-07-07/31/10)

The goals are to develop medical imaging tools and apply them to medical disorders.

The goal of this specific project is to develop neuroimaging tools and apply them to understand link between genes and brain abnormalities in schizophrenia.

Role: Investigator

VA Center Grant (McCarley/Shenton)

10/01/06 – 09/31/10

Neuroimaging insights into Schizophrenia & Treatment Implications

Veterans Administration Schizophrenia Center award for studies related to schizophrenia, a continuation of the previous REAP study.

Role: Investigator

NIH/NIMH 1P50MH080272-01(McCarley)

09/20/07 – 08/31/12

Vulnerability to Progression Schizophrenia

Neuroimaging Core (PI: Shenton)

(09/01/07 –08/31/12)

This is a NIMH CIDAR program project application studying vulnerability white matter progression in schizophrenia.

Role: Investigator

R01 NS 078337-01A1(Stern, Shenton)

08/01/11-05/31/14

Chronic Traumatic Encephalopathy: Clinical Presentation and Biomarkers

The main goal of this subcontract is to investigate the relationship between head trauma exposure and the clinical symptoms that appear later in life.

NIH T-32 5T32MH016259-33 (Shenton)

07/01/12 – 07/30/14

Stuart T. Hauser Research Training Program in Biological and Social Psychiatry.

Role: Postdoctoral Fellow