

Souraya Torbey,MD

*Curriculum Vitae*  
*Souraya Torbey, MD*

**PERSONAL INFORMATION**

*Work Address:* Northwestern University  
Feinberg School of Medicine  
303 East Chicago  
Ward 5-015  
Chicago, Il 60611

*Contact Information:* s-torbey@northwestern.edu  
312-401-3297

*Languages:* English(fluent), French(fluent), Arabic(fluent).

**EDUCATION**

*University of Balamand - Balamand, Lebanon.* 9/2004 - 6/2008  
*MD.*

*American University of Beirut (AUB) - Beirut, Lebanon .* 10/2000 - 6/2004  
*BS,Biology.*

*Additional Education* 2010-2012

*Training in writing IRB protocol.*  
*MRI safety training.*  
*Training in recruiting, screening, and scheduling patients.*

**CLERKSHIP**

*Completed one month of clerkship in clinical psychiatry at* 1/2012  
*Connecticut Mental Health Center/Department of Psychiatry,*  
*Yale School of Medicine*

**OBSERVERSHIP**

*Completed 2 weeks of observership in clinical psychiatry,at the* 2/2012  
*Department of Psychiatry and Neurobehavioral Sciences,*  
*University of Virginia Hospital, Charlottesville,Virginia*

*References, Certified Documents and Score reports Available upon request.*

## CURRENT PROFESSIONAL APPOINTMENTS

Postdoctoral Fellow, Physiology, Northwestern University. Feinberg School of Medicine, Chicago, Illinois.

4/2010 - present

## WORK EXPERIENCE/TRAINING

University of Balamand – Balamand, Lebanon.  
St George Hospital – University Medical Center (SGHUMC)  
Completed 1<sup>st</sup> year of residency in psychiatry.

6/2008 - 6/2009

## RESEARCH INTERESTS

Research Fellow, Department of Physiology, Division of Neuroscience.  
Feinberg School of Medicine, Northwestern University, Chicago, Illinois.  
Mentors: Vania Apkarian PhD, Thomas Schnitzer MD, PhD.

### Projects:

1. Studying and identifying brain-derived and behavioral biomarkers' involvement in sub-acute and chronic pain and their relationship with the progression and cessation of pain.
2. Studying the impact of UPPS on the brain.
3. Investigating extent to which reversing brain atrophy in OA patients corresponds to reversing plasticity at multiple levels in the nervous system, and the effect of duloxetine on chronic OA pain.
4. Investigating the effect of D-cycloserine, and its central modulation of chronic pain.

## RESEARCH EXPERIENCE/STUDIES

### Active

Corticopathophysiology of Pain: Longitudinal Study of Subacute Back Pain	4/2010-present
Multi-Disciplinary Approach to the Study of Chronic Pelvic Pain	5/2010-present
Brain Morphometrics in OA Patients Treated With Duloxetine	1/2011-present
Corticopathophysiology of Pain: Paradigm testing	4/2010-present
Pain genes	4/2010-present
D-Cycloserine in the management of Chronic lower back pain	4/2010-present
Denosumab GIOP (sub-investigator)	3/2012-present

## PROFESSIONAL DEVELOPMENT/CERTIFICATIONS

*References, Certified Documents and Score reports Available upon request.*

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<i>Completed FSL &amp; Free Surfer Course</i> <i>Offered by Oxford University/ Massachusetts General Hospital FMRIB center- University of Montreal, Canada.</i> <i>A course covering both the theory and practice of functional and structural brain imaging analysis.</i>	6/2011
<i>Basic Life Support. Northwestern University, Chicago</i>	7/2010
<i>Advanced Cardiac Life Support - Balamand Lebanon.</i> <i>Earned an ACLS-Certificate valid for two years.</i>	8/2009
<i>Biostatistics and Epidemiology - Balamand Lebanon.</i> <i>6-week course and workshop</i>	3/2009 - 4/2009

### CONFERENCES AND SEMINARS

<i>2011 MIDWEST REGIONAL PAIN INTEREST GROUP MEETING-Chicago,Illinois.</i>	7/2011
<i>2010 MIDWEST REGIONAL PAIN INTEREST GROUP MEETING-Indiana, Indianapolis.</i>	6/2010
<i>Fifth EMACAPAP (Eastern Mediterranean Association For Child and Adolescent Psychiatry and Allied Professions) Research and Training – Workshop- Beirut, Lebanon.</i> <i>Seminar in Child and Adolescent Psychiatry on: Attention deficit Disorder (ADHD) and Related Disorders.</i>	11/2009
<i>Molecular Biology in Clinical Research – Workshop- Beirut Lebanon.</i>	11/2008

### MEDICAL ACTIVITIES

<i>Collaborated and supervised editing of a clinical pharmacology guide customized for the department of psychiatry and psychology at SGHUMC.</i>	11/2008 - 6/2009
<i>Class Representative</i> <i>For two consecutive years.</i> <i>Arranged two annual Med Gala Dinners. promote communication among medical students, residents, and attending physicians.</i>	2006 - 2007

### MEMBERSHIPS

*References, Certified Documents and Score reports Available upon request.*

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Balamand University Alumni

2008 - present

- SCOPE (Standing Committee on Professional Exchange).
- SCORA (Standing Committee on Reproductive Health Including AIDS)

10/2005 - 10/2007

Organized and participated in events and health awareness campaigns including the Breast Cancer Awareness Day, the No Smoking Day, and the World AIDS Day.

American University of Beirut Alumni

2004 - present

## OTHER

Activities

- ♣ Active member of "Empire Focus Group" for four years. Studied marketing strategies for promoting films in the industry.
- ♣ Attended several Red Cross sessions, that helped development of basic first aid skills.

Hobbies

Sports and Cinema.

## BIBLIOGRAPHY

### Completed publications:

Baliki MN, Petre B, Torbey S, Herrmann KM, Huang L, Schnitzer TJ, Fields HL, Apkarian AV.: Corticostriatal connectivity predicts transition to chronic back pain. *Nat Neurosci.* 2012 Jul 1;15(8):1117-9

### In review:

Mansour A, Baliki MN, Leijan H, Torbey S Schnitzer TJ, Apkarian AV. Brain white matter structural properties predict transition to chronic pain. Submitted to *Science Translational medicine*.

### Articles In Preparation:

Torbey S, Mansour A, Herrmann KM, Baliki MN, Schnitzer TJ, Apkarian AV. A longitudinal, multidimensional investigation on clinical properties and behavioral measures of subacute back pain.

Torbey S, Apkarian AV, Schnitzer TJ. D-cycloserine treatment in chronic lower back pain

*References, Certified Documents and Score reports Available upon request.*

Souraya Torbey, MD

Hashmi JA , Baliki MN , Huang L , Torbey S, Hermann KM, Schnitzer TJ, Apkarian AV. Functional brain networks that predict transition from subacute to chronic pain.

Hashmi JA , Baliki MN , Huang L , Torbey S, Hermann KM, Schnitzer TJ, Apkarian AV. Longitudinal changes in back pain representation in the brain from sub acute to chronic.

Poster Presentations:

Torbey S, Mansour A, Hermann KM, Baliki MN, Schnitzer TJ, Apkarian AV. Predictors of Persistence in People with Subacute Low Back Pain. American College of Rheumatology, November 2012.

Torbey S, Mansour A, Hermann KM, Baliki MN, Schnitzer TJ, Apkarian AV. Strong association between smoking and transition from acute to chronic back pain. Society for Neuroscience, October 2012.

Hashmi JA , Baliki MN , Huang L , Torbey S, Herman KM, Schnitzer TJ, Apkarian AV. Longitudinal changes in brain pain representation as acute back pain transitions to chronic back pain. Society for Neuroscience, October 2012.

Mutso AA, Petre B, Huang L, Baliki MN, Torbey S, Hermann KM, Schnitzer TJ, Apkarian AV. Increased hippocampal functional connectivity in sub-acute and chronic back pain. Society for Neuroscience, October 2012.

Mansour A, Baliki MN, Huang L, Torbey S, Hermann KM, Schnitzer TJ, Apkarian AV. Brain white matter abnormalities predicting transition from acute to chronic back pain. Society for Neuroscience, October 2012.

Berger SE, Baliki MN, Baria AT, Parks EL, Torbey S, Hermann KM, Schnitzer TJ, Apkarian AV. Changes in perception of risk and valuation of monetary rewards with transition from acute to chronic back pain. Society for Neuroscience, October 2012.

Hashmi J.A , Baliki MN , Huang L , Torbey S, Herman KM, Schnitzer TJ, Apkarian AV. Functional brain networks that predict transition from sub acute to chronic back pain. Human Brain Mapping Conference, June 2012.

Press and Commentary:

Abstract "Strong association between smoking and transition from acute to chronic back pain" labeled as noteworthy research and chosen for Press Release at Society for Neuroscience annual meeting 2012.

SCIENTIFIC AFFILIATIONS:

Society for Neuroscience

*References, Certified Documents and Score reports Available upon request.*

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