

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for Permanent Record
and the
Appointments and Promotions Committee

Date Updated: April 16, 2013

Name: Bruce Pinson Capehart, MD, MBA

Primary academic appointment: Assistant Professor

Primary academic department (not DUAP): Psychiatry and Behavioral Sciences

Secondary appointment: (none)

Social Security number: xxx-xx-9931

Present academic rank and title: Assistant Professor

Date and rank of first Duke Faculty appointment: 7/1/95 – 6/30/96, Clinical Associate in Psychiatry; re-appointed as Assistant Professor in 2008 after break in service from 6/30/96 to 2008

Medical Licensure: North Carolina Medical License # 36671

Date of License (Month/Day/Year): 5/22/93

Specialty certification(s) and dates (Month/Day/Year): Psychiatry, American Board of Psychiatry and Neurology (ABPN), certificate #43611, dated 5/22/97; ten-year recertification completed 5/1/07; Psychosomatic Medicine, ABPN, certificate #614, dated 4/18/08

Date of birth: 10/29/1965 **Place:** Columbus, Ohio

Citizen of: United States

Visa status: n/a

Education:	Institution	Date (Year)	Degree
High School:	James Bowie High School	1983	Diploma
College:	Texas Christian University	1987	BS
Professional:	University of Texas – Southwestern Medical School	1991	MD
	University of North Carolina – Chapel Hill	1996	MBA

Scholarly societies: (none)

Professional training and academic career:

Internship: Psychiatry, Duke University Medical Center & Affiliated Institutions, 7/1/91 – 6/30/92

Residency: Psychiatry, Duke University Medical Center & Affiliated Institutions, 7/1/92 – 6/30/95

Fellowship: Health System Management, Duke University Medical Center, 7/1/94 – 6/30/95

Publications: (excluding submitted papers or papers in preparation; list separately those papers in press)

1. Refereed journals: (Refereed journals are scientific publications that have active editorial boards and a system of critical review of all submissions for publication.)

Wood GW, Panzer MB, Shridharani JK, Matthews KA, Capehart BP, Myers BS, Bass CR. Attenuation of blast pressure behind ballistic protective vests. *Inj Prev.* 2013 Feb;19(1):19-25. doi: 10.1136/injuryprev-2011-040277. [Epub Apr 29 2012]

Rafaels KA, Bass CR, Panzer MB, Salzar RS, Woods WW, Feldman S, Walilko T, Kent R, Capehart B, Foster J, Derkunt B, Toman A. Brain injury risk from primary blast. *J Trauma Acute Care Surg.* 2012; Oct 73(4):895-901.

Capehart B, Bass CR. Review: Managing Posttraumatic Stress Disorder in Combat Veterans with Co-Morbid traumatic brain injury. *J Rehabil Res Dev.* 2012 Jul;49(5):789-812

Jeffreys M, Capehart B, Friedman M. Pharmacotherapy for Posttraumatic Stress Disorder: Review with Clinical Applications. *J Rehabil Res Dev.* 2012 Jul;49(5):703-716

Shridharani J, Wood GW, Panzer MB, Capehart BP, Nyein M, Radovitzky RA, Bass CR. Porcine head response to blast. *Front Neurol* 2012;3:70. Epub 2012 May 8.

Mehlenbacher A, Capehart BP, Bass CR, Burke JR. Sound-Induced Vertigo: Superior Canal Dehiscence Resulting From Blast Exposure. *Arch Phys Med Rehabil* 2012 Apr;93(4):723-4

Panzer MB, Bass CR, Rafaels BS, Shridharani MS, Capehart BP. Primary blast survival and injury risk assessment for repeated blast exposures. *J Trauma* 2012 Feb; 72(2), 454-466.

Panzer MB, Myers BS, Capehart BP, and Bass CR. Development of a Finite Element Model for Blast Brain Injury and the Effects of CSF Cavitation. *Ann Biomed Engr* 2012;40(7): 1530-1544. [ePub ahead of print Jan. 18 2012].

Bass CR, Panzer MB, Rafaels KA, Wood G, Shridharani J, Capehart BP. Brain Injuries from Blast. *Ann Biomed Engr* 2012 Jan;40(1):185-202 [Epub ahead of print Oct 20 2011]

Capehart BP, Bass CR. Mild TBI Among Veterans Returning from Afghanistan and Iraq. *Psychiatr Times* 2011, Jul 13.

Rafaels K, Bass CR, Salzar RS, Panzer M, Woods W, Feldman S, Cummings T, Capehart BP. Survival Risk Assessment for Primary Blast Exposures to the Head. *J Neurotrauma*. 2011 Nov;28(11):2319-28. [Epub ahead of print May 16 2011]

Huggins JM, Brown JN, Capehart B, Townsend ML, Legge J, Melnyk SD. Medication adherence in combat veterans with traumatic brain injury. *Am J Health Syst Pharm*. 2011 Feb;68(3):254-8.

Zpisjak DS, Potter PS, Capehart BP. Economic Analysis of a Cell Salvage Service. *Anesthesia and Analgesia* 2004 Jan;98(1):201-5

Pisetsky M, Lubarsky D, Capehart BP, Lineberger C, Reves JG. Valuing the Work Performed by Anesthesiology Residents and the Financial Impact of Graduate Medical Education Reform. *Anesthesia and Analgesia* 1998 Aug;87(2):245-54

Capehart BP, Holsinger TC. Olanzapine on Trial (letter). *American Journal of Psychiatry* 1998;155(1):152

Reinecke MG, Brown ES, Capehart BP, Minter DE, Freeman RK. 3,4-Didehydropyridine plus cyclopentadiene: [2+2] or [4+2] cycloaddition? *Tetrahedron* 1988;44:5675-5680

2. Non-refereed publications (Non-refereed publications refer to those which do not routinely use a system of critical review prior to publication; such articles are often solicited by the publisher): (none)

3. Chapters in books:

Capehart BP, Jeffreys M. Psychopharmacology, in Handbook of Military Social Work, A. Rubin, E.L. Weiss, and J. E. Coll, editors. Wiley, 2012.

Capehart BP, DeViva J. Insomnia and PTSD, in Handbook of PTSD Treatments, N Bernardy and M Friedman, editors. Anticipated publication in 2013.

4. Books (Indicate authors or editor): (none)

5. Non-authored publications (Faculty member formally acknowledged in the publication for her/his contributions):

VA/DoD Clinical Practice Guideline: Management of Posttraumatic Stress. Published jointly by Department of Veterans Affairs, Office of Quality and Performance, and US Army Medical Command, Quality Management Division. Washington, DC. October 2010. Acknowledged as a Reviewer and Contributor with the VA PTSD Guideline Working Group.

6. Other: a. Published scientific reviews for mass distribution:

DeViva J, Capehart BP. Sleep Problems, PTSD, and Insomnia. VA/DoD PTSD Clinical Practice Guideline Series. A professional continuing education course

presented by the National Center for PTSD. Location:
www.ptsd.va.gov/professional/ptsd101/course-modules/sleep.asp Last accessed
May 1 2012

b. Selected abstracts:

Panzer A, Capehart BP, Wood GW, Bass CR. Lethal Consequences of Missed TBI Diagnosis: Execution by World War I Firing Squad for TBI Sequelae. Presented at 2012 National Neurotrauma Society Annual Meeting. Phoenix, AZ. July 22-25, 2012.

Panzer, M.B., Bass, C.R., Capehart, B.P., Morrison III, B., and Meaney, D.F. A novel method for exposing tissue cultures to blast overpressure for determining injury criteria. Presented at the 2011 Biomedical Engineering Society Annual Meeting. Hartford, CT. October 12-15, 2011.

Rafaels, K.A., Bass, C.R., Panzer, M.B., Salzar, R.S., Woods, W.A., Feldman, S., Walilko, T., Kent, R., Capehart, B.P., Shridharani, J.K., and Toman, A. Brain injury risk from primary blast. Presented at the 2011 Biomedical Engineering Society Annual Meeting. Hartford, CT. October 12-15, 2011.

Capehart B, Mehlenbacher A, Burke J, Smith-Hammond C, Bass CR. Blast Exposure and Oculomotor Function. American Neurological Association Annual Meeting, September 2011, San Diego, CA.

Capehart B, Mehlenbacher A, Burke J, Smith-Hammond C, Bass CR. Blast Exposure and Oculomotor Function. Department of Veterans Affairs Office of Mental Health Services Annual Meeting, August 2011, Baltimore, MD.

Capehart BP, Bass CR. Is Blast Injury a New Clinical Entity, or, Can We Learn from World War I Experience on "Shell Shock," Explosions, and PTSD. Department of Defense Head Protection Summit Meeting, February 2011, Herndon, Virginia.

Kuo A, Brown J, Capehart BP, Smith Hammond C, Tucker K. Prevalence and predictors of medication adherence in returning Iraq and Afghanistan war veterans at risk for mild traumatic brain injury with concurrent cognitive deficits. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2010, Anaheim, California.

Tucker KA, Tupler LA, Browndyke JN, & Capehart BP. Impact of PTSD, depression, and mild TBI on cognitive effort. Presented at the Military Health Research Forum, September 2009, Kansas City, MO.

Bass D, Rafaels K, Panzer M, Wood G, Shridharani J, Palm E, Capehart BP, Salzar R. Brain vs. Pulmonary Blast Injury Tolerance and the Effect of Ballistic

Protective Vests. DoD Explosives Safety Board Annual Meeting, July 2010, Portland, Oregon.

Capehart BP. Historical Perspectives on Blast TBI: What Have We Not Learned. International DoD State-of-the-Science meeting on Blast Traumatic Brain Injury, May 2009, Herndon, Virginia.

Capehart BP, Hilley MD, Giesecke AH, Lipton JM. Control of Gastric Acid Concentration by Famotidine. American Society of Anesthesiologists Annual Scientific Meeting, October 1989, New Orleans, Louisiana.

c: Editorials, position, and background papers

Capehart BP. Benzodiazepines, PTSD, and Veterans: Good News and Why We're Not Done Yet (Invited Commentary on Declining Benzodiazepine Use Among Veterans Treated for PTSD). J Clin Psychiatry 2012;73(3):307-308.

Consultant appointments (Include US government, state, private organizations, etc.):

November 2011 – present: Consultant to the United States Army on battlefield effects of enemy munitions, soldier survival, and wound mitigation.

March 2009 – present: National Center for Post-Traumatic Stress Disorder (NCPTSD), Department of Veteran Affairs: PTSD Psychiatry Mentor for mid-Atlantic region. Responsibilities include consulting with regional and national VA clinicians and administrators to improve clinical care, develop regional referral networks, and implement new evidence-based treatments

Summer 2000: Confidential Hospital client: Reviewed and recommended changes to the case management policies, procedures and information systems at a major teaching hospital in the Midwestern United States (work performed with the Center for Case Management, South Natick, MA)

Summer, 1999: Confidential Biotechnology client: Developed a market positioning strategy and value proposition for several product lines and created the business case for a new internet-based data sales service for a new biotechnology company; also significantly expanded the clinical indications for a series of pre-clinical products that enhanced the patent applications

Fall, 1999: Confidential HMO client: Developed comprehensive business requirements and subsequent revision plans for the medical management system at a large staff-model HMO in the upper Midwestern United States (work performed with the Center for Case Management, South Natick, MA)

Summer 1997: Confidential Biotechnology client #2: Strategic recommendations and return on investment analysis on the marketing plans for a new biosurgical product introduction at a publicly-traded biotechnology firm

Professional awards and special recognitions:

United States Patent Application 20100298305: Tizanidine for the Treatment of Posttraumatic Stress Disorder and Nightmares, November 25, 2010.

Security Clearance: SECRET, granted November 2011

Organizations and participation: (Offices held, committee assignments, etc.)

National Network of Depression Centers

Co-Chair for Military-Veteran Task Group, 2011-present

Durham VA Medical Center

Pharmacy and Therapeutics Committee, 2008-present

Medical Journal Editorial Boards

Frontiers in Neurotrauma (2012-present)

Peer Review for Medical Journals (2010-present)

Biological Psychiatry; Frontiers in Neurotrauma; New England Journal of Medicine; Journal of Clinical Psychiatry; Journal of Clinical Psychopharmacology; Journal of Neurotrauma; Journal of Rehabilitation Research and Development; Journal of Traumatic Stress; Psychiatric Services;

United States Army Reserve, 2000-2007

Major, Medical Corps

Deployed to Afghanistan for Operation Enduring Freedom (OEF), June – October 2003, as the senior mental health clinician supervising the mental health care for 10,000 United States and Coalition soldiers in Afghanistan and Uzbekistan

Security clearance: SECRET, granted June 2002 and inactivated upon honorable discharge
Honorably Discharged in December 2007

Westminster Presbyterian Church, Durham, North Carolina

Deacon, 2005-2008

Orange-Person-Chatham (OPC) Area Program for MH/DD/SA Services

Chairman 2001-2002

Vice-Chairman 2000-2001

Board Member at-large from Orange County, 1999-2002

North Carolina Psychiatric Association

President's Task Force on Psychiatric Residency Education, 1993

Commission on Prioritization Mental Health Reimbursement, 1993

American Medical Association

Council on Legislation, American Medical Association, 1990-1991

Delegate, Resident Physician Assembly, 1992-1994

Delegate, Medical Student Assembly, 1987-1990

Texas Medical Association

Delegate, Medical Student Assembly, 1987-1991

Board of Directors, Texas Medical Association PAC, 1988-1991

Additional Information for Department Chair

Graduate Student Supervision and Dissertation Committee Membership:

Alayna Panzer, PhD: postdoctoral fellow in biomedical engineering, Jan 2012-Dec 2012. Supervision of postdoctoral research activities.

Matthew Panzer: PhD in Biomedical Engineering, November 2012, Duke Pratt School of Engineering. Dissertation committee member

Garrett Wood: current PhD candidate in Biomedical Engineering, Duke Pratt School of Engineering. Dissertation committee member

Joel Garrett: Masters in Biomedical Engineering, November 2012, Duke Pratt School of Engineering. Thesis committee member

Teaching responsibilities including continuing education:

Teaching

1. PTSD and Insomnia, a course in From the War Zone to the Home Front II, a nationwide webcast and the continuation of the 2012 Home Front series developed by Massachusetts General Hospital and National Center for PTSD (NCPTSD), April 4 2013.
2. BME 590-02: Biomechanical and Physiologic Response to Blast and Ballistic Trauma. Duke Pratt School of Engineering, Spring 2013. Course to be taught with Dale Bass, PhD.
3. Psychopharmacology of PTSD, a course in From the War Zone to the Home Front, a nationwide webcast continuing education series developed by Massachusetts General Hospital and NCPTSD, May 10 2012.
4. Management of Sleep Problems in Veterans with PTSD. NCPTSD Psychopharmacology Series. October 2011, Nationwide webcast VA Videoconference.
5. BME 265-07: Biomechanical and Physiologic Response to Blast and Ballistic Trauma. Duke Pratt School of Engineering, Spring 2011. Course taught with Dale Bass, PhD.
6. Interviewing. A core curriculum course for PGY-I psychiatry residents. 2010 and 2011 academic years.
7. PGY-III/IV Seminar: Neurobiology of TBI, May 2011
8. PGY I-II Case-Based Team Learning: PTSD and ASD. Spring, 2011.
9. Blast Brain Injury for (Crash-Test) Dummies. This presentation was given five times:
 - a. Surgery Grand Rounds, UNC Hospitals, September 2012
 - b. VISN 6 MIRECC and VISN 16 MIRECC video teleconference presentation in August 2012
 - c. University of North Carolina 23rd Annual May Day Trauma Conference. May 2012, Chapel Hill, NC.
 - d. Psychiatry Grand Rounds at Duke University Medical Center, March 2011
 - e. Psychiatry Grand Rounds at University of Texas – Southwestern Medical Center, December 2010
10. PTSD and the Immune System: A Brief Overview. National Center for PTSD Psychopharmacology Series, March 2010, Nationwide webcast VA Videoconference.

11. Management of Cognitive Disorders in Veterans with PTSD. National Center for PTSD Psychopharmacology Series. October 2010 and March 2009, Nationwide webcast VA Videoconference.

Trainee Supervision

1. UNC-CH Psychiatric Nurse Practitioner student, Spring 2013
2. PGY-III/IV resident supervision, Durham VAMC Mental Health Clinic – supervision for Durham VA MHC for the 2009-2011 academic years.
3. Resident and Medical Student supervision on Durham VAMC Psychiatry Consultation/Liaison Service – one day per week
4. Resident and Medical Student supervision – Durham VAMC psychiatry emergency room (11/05 – 6/08)

Clinical activity - type of practice and estimate of time commitment:

1. Outpatient Psychiatry – Durham VA Medical Center OEF/OIF Veteran Program and PTSD Clinic. Outpatient management of mood, anxiety, substance use, and cognitive disorders in recently returned combat veterans with psychiatric disorders and/or traumatic brain injury (OEF/OIF), and outpatient management of veterans with a VA disability for PTSD (PTSD). These activities require two days per week.
2. Medical Director, OEF/OIF Program, Durham VA Medical Center. After assuming medical directorship of this program, it expanded from two part-time positions to 15 FTE in psychiatry, neurology, physiatry, psychology, neuropsychology, social work, speech pathology, and audiology. The program also coordinates clinical activities across multiple services to ensure seamless interdisciplinary care for returning combat veterans and works with other VA components for outreach to National Guard / Reserve units. These activities require one to two days per week.
3. Consultation - Liaison Psychiatry – Durham VA Medical Center. Psychiatry consultation to medical-surgical patients on intensive care, intermediate care, and long-term care units. These activities require one day per week.

Participation in academic and administrative activities of the University and Medical Center:

Durham VA Medical Center:

- Administrative Supervisor for 7 employees, OEF/OIF Program, 2011-present
- Pharmacy and Therapeutics Committee, 2007 - present
- OEF/OIF Steering Committee, 2006 - present

John Umstead Hospital:

- Medicaid/Medicare Concurrent Review Committee, October 2001 – May 2002

Duke University Medical Center:

- Institutional Committee on Graduate Medical Education, 1994-1996