

CURRICULUM VITAE  
(Forensic Psychiatric Short Version)  
Roger K. Pitman, M.D.  
January 8, 2008

Academic Positions

Professor of Psychiatry, Harvard Medical School, Boston, MA  
Psychiatrist, Massachusetts General Hospital, Boston, MA

Certifications

Certified in Psychiatry (1975-) with Added Qualifications in Forensic Psychiatry (1994-), American Board of Psychiatry and Neurology

Experience

Internationally recognized researcher in post-traumatic stress disorder (PTSD)  
Eighteen years' experience as a forensic psychiatric consultant and expert witness  
Thirty-one years' experience evaluating mental disability compensation claims  
Listed in *America's Top Doctors* and *Guide to America's Top Psychiatrists*

Forensic Psychiatric Publications

Sparr LF, Pitman RK. PTSD and the Law. In Friedman MJ, Keane TM, Resick PA (Eds.) *PTSD: Science and Practice: A Comprehensive Handbook*, New York: Guilford Press, 2007.  
Pitman RK, Orr SP. Forensic laboratory testing for post-traumatic stress disorder. In Simon RI (Ed.) *Posttraumatic Stress Disorder in Litigation: Guidelines for Forensic Assessment*, 2<sup>nd</sup> Ed. Washington, DC: American Psychiatric Press, 2003:207-223.  
Sparr LF, Pitman RK. Forensic assessment of traumatized adults. In Saigh PA, Bremner JD (Eds.) *Posttraumatic Stress Disorder: A Comprehensive Text*. Boston: Allyn & Bacon, 1999:284-308.  
Pitman RK, Sparr LF. Post-traumatic stress disorder and the law. *PTSD Research Quarterly* 1998;9(2):1-6.  
Pitman RK, Sparr LF, Saunders LS, McFarlane. Legal issues in post-traumatic stress disorder. In van der Kolk BA et al (Eds.) *Traumatic Stress: The Effects of Overwhelming Experience on Mind, Body, and the Society*. New York: Guilford Press, 1996:378-397.  
Pitman RK, Saunders LS, Orr SP. Psychophysiologic testing for PTSD. *Trial* 1994;30:22-26.  
Pitman RK, Orr SP. Psychophysiologic testing for post-traumatic stress disorder: Forensic psychiatric application. *Bulletin of the American Academy of Psychiatry and the Law* 1993;21:37-52.

Publications and Grants

203 Publications in the Psychiatric Literature (130 on PTSD)  
16 U.S. Government Research Grants as Principal Investigator (13 on PTSD)

Memberships, Boards, and Committees

American Psychiatric Association (Distinguished Life Fellow)  
American Academy of Psychiatry and the Law  
International Society for Traumatic Stress Studies  
American Psychopathological Association (Fellow)  
American College of Neuropsychopharmacology (Fellow)  
Editorial Board, *Journal of Traumatic Stress*  
DSM-IV Anxiety Disorders Work Group Adviser on PTSD

Available on request

Full Curriculum Vitae	Fee schedule
Record of trial and deposition testimony	Ethical guidelines

Record of Expert Testimony  
Roger K. Pitman, M.D.

State of New Hampshire v. Patrick O'Connor (C-D)

Testified October 8, 1986, at Rockingham County Superior Court, Exeter, NH

Astrid Simsarian v. Charles Bellerose and EJ's Trucking (P)

Deposed February 25, 1987, at Ransmeier & Spellman Law Office, Concord, NH by  
Ransmeier & Spellman

Testified June 3, 1987, at Hillsborough County Superior Court, Manchester, NH

Beverly and Michael Alteri v. Pine Acres Camp Ground (P)

Deposed April 26, 1987, at Brown and Nixon Law Office, Manchester, NH by  
Devine, Millimet, Stahl, & Branch and Wiggin & Nourie

State of New Hampshire v. Kenneth Woodward (C-D)

Deposed September 4, 1987, at VA Medical Center, Manchester, NH by NH Attorney  
General's Office

Testified November 24, 1987, at Rockingham County Superior Court, Exeter, NH

Aixa & Michelle Rivera-Serrano v. Hospital Pavia (P)

Deposed November 27, 1990, at Northeast Psychiatric Associates, Manchester, NH  
by Jorge Galva, Esq.

Scott Albertson et al. v. Dow Chemical Co. (D)

Deposed March 18, 1992, at Peabody & Arnold, Boston, MA by Moriarty, Spence &  
Schuster

Phyllis Neier v. New York State Thruway Authority (P)

Testified June 4, 1992, at New York State Court of Claims, White Plains, NY

New Jersey v. Dennis Kleinman (C-D)

Testified December 10, 1992, at Bergen County Superior Court (Criminal  
Division), Hackensack, NJ

Denise Vinal v. New England Telephone (P)

Testified September 14, 1993, at Middlesex County Superior Court, Lowell, MA

William and Jean Bitter v. Roy Ambinder et al. (D)

Deposed April 12, 1994, at Dean, Ringers, Morgan & Lawton, Orlando, FL by Dean,  
Ringers, Morgan & Lawton

Gerardette Cabrini Jiron-Waldron et al. v. Southland Corp. (P)

Deposed August 15, 1994, at Craig & Macauley, Boston, MA by White & Steele

Testified December 2, 1994, District Court for the City and County of Denver,  
Denver, CO

Lori Gorski v. Commercial Carrier Corp. (P)

Deposed October 28, 1994 at Abramson, Reis & Brown, Manchester, NH by Waddell  
and Ready

David Stoddard v. Bennington Iron Works, et al. (D)

Deposed November 23, 1994, at McDonough & Lindh, Manchester, NH by Kahn, Brown,  
Friedman & Leary, 41 E. Pearl Street, Nashua, NH 03060

State of New Hampshire v. David Ross (C-P)  
Testified April 13, 14, 19, 1995 at Hillsborough County Superior Court,  
Manchester, NH

Edward L. Wade, Jr. v. State Farm Insurance Co. (P)  
Deposed August 22, 1995 at Wiggin & Nourie, Manchester, NH by Wiggin & Nourie,  
crnr. Franklin & Market, Manchester, NH 03101

Denise Wilkins v. Caribbean Cooling Co. et al. (D)  
Deposed September 30, 1996 at Connelly Reporting and Video Services,  
Manchester, NH by Joel H. Holt, Esq., 2132 Company Street, Suite 2,  
Christiansted, St. Croix, VI 00820

Michael Swiderski et al. v. Kenneth G. Farrell et al. (D)  
Testified February 26, 1997 at Norfolk County Superior Court, Dedham, MA

Mary Brew v. Concord Urology et al. (D)  
Deposed April 29, 1998 at Orr & Reno, Concord, NH by John Traficonte, Esq., 92  
State Street, Boston, MA 02109

Charlotte Jung v. Susan Pollock et al. (P)  
Testified, May 14, 1999 at Arbitration Hearing before Michael T. Bologna, Esq.,  
Patrick, Fray & Bologna, 1238 Post Road, Fairfield, CT 06430

Sheldon Seidman v. Allied Outdoor Advertising (P)  
Testified, July 5, 1999 at New York Supreme Court, Brooklyn, NY

John Whalen v. Nicholas Realty Trust (D)  
Deposed August 25, 2000 by Paul Collier, Esq, at Collier, Shapiro & McCutcheon,  
25 First Street, Cambridge, MA 02141

Commonwealth of Massachusetts v. Darryle Ford (C-D)  
Testified at *voir dire* hearing April 12, 2001  
Testified at trial April 18, 2001  
Suffolk County Superior Court, Boston, MA

Martha Moor et al v. Trustees of Dartmouth College et al (P)  
Deposed July 12, 2001 at Shaheen & Gordon, Concord, NH by Daschbach, Cooper,  
Hotchkiss & Csatari, PO Box 191, Lebanon, NH 03766

Multiple Claimants in the PTSD Group Action v. United Kingdom Ministry of  
Defence (D)  
Testified July 8-9, 2002 at High Court of Justice Queen's Bench Division,  
London, U.K.

Gerald W. Dickerson v. Amtrak (P)  
Testified at trial September 19, 2003  
Suffolk County Superior Court, Boston, MA

Angela & James Mitchell Manning v. Pastor James Manning & Solid Rock Ministries  
(P)  
Deposed April 19, June 7, and December 29, 2004 at G & M Court Reporters, 42  
Chauncy St., Boston, MA 02111 by Atty. Mark Goodman, Capes, Sokol, Goodman  
& Sarachan, Pierre Laclede Center, 7701 Forsyth Boulevard, 4th Floor St.  
Louis, MO 63105

McClurg & Others v. Chief Constable, Post-Traumatic Stress Disorder Group  
Action (D)

Testified January 23-24, 2006 at High Court of Justice in Northern Ireland  
Queen's Bench Division 2001 No 2720, Belfast, U.K.

Ol Ouern v. Lowell Lodge No. 87 B.P.O.E. of USA (P)

Testified May 3, 2005, Middlesex County Superior Court, Lowell, MA

Robert Dorgan et al v. Charlotte A. O'Connor et al (D)

Deposed November 10, 2006 at Baker & Abraham, 30 Rowes Wharf, Boston, MA 02110  
by Atty. Andrew Abraham

Testified December 13-14, 2006, Essex County Superior Court, Salem, MA

Key

P: Called by plaintiff in civil action (14)

D: Called by defendant in civil action (10)

C-P: Called by prosecution in criminal action (1)

C-D: Called by defense in criminal action (4)

Ethical Guidelines for Expert Consultation and Testimony  
Roger K. Pitman, M.D.

1. Memberships. As a member, the consultant (RKP) is bound by the American Psychiatric Association's Principles of Medical Ethics with Annotations Especially Applicable to Psychiatry and the American Association of Psychiatry and the Law's Ethical Guidelines. Clarification of the consultant's practices in areas on which these Associations' requirements are ambiguous or silent follow.
2. Consultative relationship. The consultative relationship is with the consultee (i.e., the referring attorney, claims manager, or other professional), who pays the fees.
3. Absence of doctor-patient relationship. No doctor-patient relationship exists with the evaluatee (i.e., the claimant, plaintiff, or defendant). No responsibility for treatment or referral is assumed. Services rendered are not certified for medical insurance reimbursement.
4. No contingency fee. Fees are not accepted on a contingency basis. In order to avoid the appearance of same, fees for testimony time, as well as any outstanding balance, should be paid in full in advance of testimony.
5. Impartiality of opinion. Biasing an opinion in favor of the consultee's case is not only unethical; it is also misleading and potentially harmful to the interests of the consultee's client. It must be understood from the outset that the consultant is under no obligation to arrive at, maintain, or express an opinion favoring the consultee's case, the collegiality of the relationship and source of the fee notwithstanding. The consultant will attempt to keep the consultee duly apprised of his opinion, and of any changes necessitated by new information or further deliberation, so that the consultee may make an ongoing decision as to whether it is in the interest of his or her client to continue to retain the consultant's services.
6. Permitted consultative activities include not only the formation and expression of an opinion but, within the context of that opinion, assisting the consultee in the preparation of the case, including evaluating the case's merits and prospects, identifying relevant literature, recommending additional tests and/or evaluations, critically evaluating strengths and weaknesses in opposing experts' opinions, drafting interrogatories and requests for production of documents, and formulating questions for direct and cross examination during deposition and courtroom testimony. The consultant's willingness to assist the consultee in advocating his or her case, however, should not be misconstrued as a willingness to become an advocate himself.
7. Personal examination. The American Association of Psychiatry and the Law's Ethical Guidelines require that the consultant make an earnest effort to conduct a personal examination of an evaluatee prior to rendering an opinion. Only if this is not possible may the consultant render an opinion based upon other information. In such instances, the consultant must note that the opinion expressed is thereby limited.
8. Report. Rule 26 of the Federal Rules of Civil Procedure calls for the disclosure of the consultant's written report containing a complete statement of his opinions prior to deposition and testimony. The consultant endorses this practice even in jurisdictions in which this rule does not apply. The substance of an opinion rendered in a draft report is not subject to modification unless it reflects factual error, misunderstanding, or tangential or prejudicial content. Non-substantive content and style may be edited.
9. Consultant's obligation during testimony consists solely of responding to questions asked by either side according to the requirements of the oath.

10. Use of information for research purposes. Information gathered during the course of consultation that has not become a matter of public record may nevertheless be used by the consultant for responsible research purposes, including publication in scholarly journals, so long as such use does not prejudice the case at hand, compromise the future interests of the evaluatee, or violate his or her anonymity.

11. Explanation to client. The consultee has the responsibility of explaining the above to his or her client.

Acknowledgment

I understand that Dr. Pitman's services in the matter of

\_\_\_\_\_ will be governed by the foregoing ethical considerations.

\_\_\_\_\_  
Consultee

\_\_\_\_\_  
Date

Please return signed copy and retain a copy for your records. Thank you.

CURRICULUM VITAE  
Roger K. Pitman, M.D.  
January 1, 2008

Education:

1969 M.D. *cum laude*, University of Vermont College of Medicine  
1965 A.B. *cum laude*, Amherst College

Postdoctoral Training:

1985 Research Fellow in Behavioral Neurology (Sabbatical), Harvard  
Medical School  
1970-1973 Resident in Psychiatry, Boston VA Hospital-Tufts New England  
Medical Center Collaborative Program  
1969-1970 Straight Medical Intern, Boston University Medical Service,  
Boston City Hospital

Licensure and Certification:

1994 Added Qualifications in Forensic Psychiatry, American Board  
of Psychiatry and Neurology  
1981 New Hampshire Medical License  
1975 American Board of Psychiatry and Neurology (Psychiatry)  
1970 Massachusetts Medical License  
1970 National Board of Medical Examiners

Academic Appointments:

2002- Professor of Psychiatry, Harvard Medical School  
2000- Visiting Scientist, Massachusetts Institute of Technology  
1990- Associate Professor of Psychiatry, Harvard Medical School  
1988-1990 Assistant Clinical Professor of Psychiatry, Harvard Medical  
School  
1986-1987 Lecturer in Psychiatry, Harvard Medical School  
1981-1987 Adjunct Assistant Professor of Clinical Psychiatry,  
Dartmouth Medical School  
1978-1980 Assistant Professor of Psychiatry, University of Tennessee  
Center for the Health Sciences  
1976-1978 Instructor in Psychiatry, Boston University School of  
Medicine

#### Awards and Honors:

2004 Distinguished Life Fellow, American Psychiatric Association  
2004 Award for Distinguished Academic Achievement, University of Vermont Medical Alumni Association  
2004- Who's Who in The World2003- Who's Who in America  
2003 Distinguished Fellow, American Psychiatric Association  
2002- Castle Connolly's *America's Top Doctors*  
2002 Honorary A.M. (Master of Arts) degree, Harvard University  
1997 Member, Sigma Xi  
1994 International Society for Traumatic Stress Studies Robert S. Laufer Memorial Award for Outstanding Scientific Achievement in the Field of Post-Traumatic Stress Disorder  
1993 Fellow, American Psychopathological Association  
1987 Research Career Development Award, VA Medical Research Service  
1985 Fellow, American Psychiatric Association  
1969 Member, Alpha Omega Alpha, University of Vermont  
1965 Associate Member, Sigma Xi  
1962 Bassett Physics Prize, Amherst College

#### Hospital Positions:

2003- Psychiatrist, Massachusetts General Hospital, Boston, MA  
2000- Assistant Director, Clinical Research Center, Massachusetts Institute of Technology  
1997-2002 Clinical Associate in Psychiatry, Massachusetts General Hospital, Boston, MA  
1982-2000 Coordinator for Research and Development, VA Medical Center, Manchester NH  
1980-1986 Chief, Psychiatry Service, VA Medical Center, Manchester, NH  
1978-1980 Staff Psychiatrist, VA Medical Center, Memphis, TN  
1975-1978 Staff Psychiatrist, VA Medical Center, Bedford, MA  
1973-1975 Staff Psychiatrist, Naval Regional Medical Center, Newport, RI; Lt Cmdr, Medical Corps, U.S. Naval Reserve

#### Other Professional Positions and Visiting Appointments:

1994 Research Advisory Board, Centre for Behaviour Research and Therapy, Istanbul, Turkey  
1992 Co-founder, Laboratory for Traumatic Stress Studies, Institute of Psychology, Russian Academy of Sciences, Moscow, Russia  
1987 Co-founder, Center for Traumatic Stress Psychophysiology Laboratory, Hadassah University Hospital, Jerusalem, Israel  
1985 Visiting Psychiatrist, Beth Israel Hospital, Boston, MA  
1968 Smith, Kline, and French Foreign Medical Fellow to Nepal

### Committee Memberships:

- 2006- American College of Neuropsychopharmacology Public Information Committee
- 1998-2000 International Society for Traumatic Stress Studies Board of Directors
- 2000 National Institutes of Health Behavioral and Biobehavioral Processes-5 (Mental Disorders) Special Emphasis Panel
- 1996-2000 National Institute of Mental Health Violence and Traumatic Stress Study Section
- 1995- Editorial Board, *Journal of Traumatic Stress*
- 1995 National Institute of Mental Health-National Center for PTSD Joint Conference on Diagnosis and Assessment in PTSD Research
- 1992 VA Career Development Research Clinician Evaluation Committee
- 1988-1993 American Psychiatric Association, DSM-IV Anxiety Disorders Work Group Adviser
- 1988-1991 VA Mental Health and Behavioral Sciences Research Advisory Group
- 1980-1983 Amnesty International Medical Capacity Committee, Working Group Against the Political Abuse of Psychiatry

### Professional Societies:

- 1997- American College of Neuropsychopharmacology (Member)
- 1996- Society of *Biological Psychiatry*
- 1991-2000 Pavlovian Society
- 1987- American Academy of Psychiatry and the Law
- 1986- International Society for Traumatic Stress Studies
- 1985- American Psychopathological Association
- 1983- Soci  t   Pierre Janet, Paris (corresponding)
- 1972- American Psychiatric Association
- 2007- American College of Neuropsychopharmacology (Fellow)

### Publications (P):

P-203. Elman I, Chi WH, Gurvits TV, Ryan ET, Lasko NB, Lukas SE, **Pitman RK**. Impaired reproduction of three-dimensional objects by cocaine dependent subjects. *Journal of Neuropsychiatry and Clinical Neurosciences*, in press (Refereed article).

P-202. Metzger LJ, Miller GA, Paige SR, **Pitman RK**, Orr SP. Intensity dependence of the auditory P2 in monozygotic twins discordant for Vietnam combat: associations with PTSD. *Journal of Rehabilitation Research and Development*, in press (Refereed article).

P-201. **Pitman, RK**. Posttraumatic stress disorder as an emotional disorder. In Squire LR (Ed.): *The New Encyclopedia of Neurosciences*. Shannon, Ireland: Elsevier, in press (Book chapter).

- P-200. Milad MR, Rauch SL, Pitman RK, Quirk GJ. Fear extinction in rats: Implications for human brain imaging and anxiety disorders. *Biological Psychology*, in press (Refereed article).
- P-199. Videlock EJ, Peleg T, Segman R, Yehuda R, **Pitman RK**, Shalev A. Stress hormones and post-traumatic stress disorder in civilian trauma victims: a longitudinal study. Part II: The adrenergic response. *International Journal of Neuropsychopharmacology*, 2007 Oct 31;:1-8 [Epub ahead of print] (Refereed article).
- P-198. Shalev AY, Videlock EJ, Peleg T, **Pitman RK**, Segman R, **Pitman RK**, Yehuda R. Stress hormones and post-traumatic stress disorder in civilian trauma victims: a longitudinal study. Part I: HPA axis responses. *International Journal of Neuropsychopharmacology*, 2007 Oct 31;:1-8 [Epub ahead of print] (Refereed article).
- P-197. Hopper JW, **Pitman RK**, Zhaohui S, Heyman GM, Lasko NB, Macklin ML, Orr SP, Lukas SE, Elman I. Probing reward function in posttraumatic stress disorder: expectancy and satisfaction with monetary gains and losses *Journal of Psychiatric Research*, 2007 Dec 7; [Epub ahead of print] (Refereed article).
- P-196. Kasai K, Yamasue H, Gilbertson MW, Shenton ME, Rauch SL, **Pitman RK**. Evidence for acquired pregenual anterior cingulate gray matter loss from a twin study of combat-related post-traumatic stress disorder. *Biological Psychiatry*, 2007 Sep 6; [Epub ahead of print] (Refereed article).
- P-195. Commentary: synthesis and perspectives (on The Clinical Perspective: Targets For Therapy in PTSD). *Progress in Brain Research* 2007;167:249-254 (Commentary).
- P-194. Friedman MJ, Pitman RK. New findings on the neurobiology of posttraumatic stress disorder. *Journal of Traumatic Stress* 2007;20:653-655 (Editorial).
- P-193. Shin LM, Bush G, Whalen PJ, Handwerker K, Cannistraro PA, Wright CI, Martis B, Macklin ML, Lasko NB, Orr SP, **Pitman RK**, Rauch SL. Dorsal anterior cingulate function in posttraumatic stress disorder. *Journal of Traumatic Stress*, 2007;20:701-712 (Refereed article).
- P-192. Carson MA, Metzger LJ, Lasko NB, Paulus LA, Morse AE, **Pitman RK**, Orr SP. Physiologic reactivity to startling tones in female Vietnam nurse veterans with PTSD. *Journal of Traumatic Stress* 2007;20:657-666 (Refereed article).
- P-191. Milad MR, Quirk GJ, **Pitman RK**, Orr SP, Fischl B, Rauch SL. A role for the human dorsal anterior cingulate cortex in fear expression. *Biological Psychiatry*, 2007 Aug 16; [Epub ahead of print] (Refereed article).
- P-190. Brunet A, Orr SP, Tremblay J, Robertson K, Nader K, **Pitman RK**. Effect of post-retrieval propranolol on psychophysiologic responding during subsequent script-driven traumatic imagery in post-traumatic stress disorder. *Journal of Psychiatric Research* 2007 Jun 21; [Epub ahead of print] (Refereed article).
- P-189. Gilbertson MW, Williston SK, Paulus LA, Lasko NB, Gurvits TV, Shenton ME, **Pitman RK**, Orr SP. Configural cue performance in identical twins discordant

for posttraumatic stress disorder: theoretical implications for the role of hippocampal function. *Biological Psychiatry* 2007 May 15; [Epub ahead of print] (Refereed article).

P-188. Sparr LF, **Pitman RK**. PTSD and the law. In Friedman MJ, Keane TM, Resick PA (Eds.) *Handbook of PTSD: Science and Practice*, New York: Guilford Press, 2007 (Book chapter).

P-187. Milad MR, Wright CI, Orr SP, **Pitman RK**, Quirk GJ, Rauch SL. Recall of fear extinction in humans activates the ventromedial prefrontal cortex and hippocampus in concert. *Biological Psychiatry*, 2007 Jan 8; [Epub ahead of print] (Refereed article).

P-186. Buhlmann U, Wilhelm S, Deckersbach T, Rauch SL, *Pitman RK*, Orr SP. Physiologic responses to loud tones in individuals with obsessive-compulsive disorder. *Psychosomatic Medicine* 2007;69:166-172 (Refereed article).

P-185. **Pitman RK**, Delahanty DL. Conceptually driven pharmacological approaches to acute trauma. In Tsuang MT, Stone WS, Lyons MJ (Eds.): *Recognition and Prevention of Major Mental and Substance Use Disorders*. In Washington, D.C.: American Psychiatric Publishing, Inc., 2007:371-387 (Book chapter).

P-184. Pollack MH, Simon NM, Fagiolini A, **Pitman R**, McNally RJ, Nierenberg AA, Miyahara S, Sachs GS, Perlman C, Ghaemi SN, Thase ME, Otto MW. Persistent posttraumatic stress disorder following September 11 in patients with bipolar disorder. *Journal of Clinical Psychiatry* 2006;67:394-399 (Refereed article).

P-183. Milad MR, Goldstein JM, Orr SP, Wedig MM, Klibanski A, **Pitman RK**, Rauch SL. Fear conditioning and extinction: influence of sex and menstrual cycle in healthy humans. *Behavioral Neuroscience* 2006; 120:1196-1203 (Refereed article).

P-182. Levitt JJ, Chen QC, May FS, Gilbertson MW, Shenton ME, **Pitman RK**. Volume of cerebellar vermis in monozygotic twins discordant for combat exposure: lack of relationship to post-traumatic stress disorder. *Psychiatry Research* 2006;148:143-149 (Refereed article).

P-181. Orr SP, Milad MR, Metzger LJ, Lasko NB, Gilbertson MW, **Pitman RK**. Effects of beta blockade, PTSD diagnosis, and explicit threat on the extinction and retention of an aversively conditioned response. *Biological Psychology*, 2006;73:262-271 (Referred article).

P-180. **Pitman RK**, Gilbertson MW, Gurvits TV, May FS, Lasko NB, Metzger LJ, Shenton ME, Yehuda R, Orr SP. Clarifying the origin of biological abnormalities in PTSD through the study of identical twins discordant for combat exposure. *Annals of the New York Academy of Sciences* 2006; 1071:242-254 (Non-refereed article).

P-179. Shin LM, Rauch SL, **Pitman RK**. Amygdala, medial prefrontal cortex, and hippocampal function in PTSD. *Annals of the New York Academy of Sciences* 2006;1071:67-79 (Non-refereed article).

- P-178. Gilbertson MW, Paulus L, Williston S, Gurvits TV, Lasko NB, Shenton ME, **Pitman RK**, Orr SP. Neurocognitive function in monozygotic twins discordant for combat exposure: relationship to posttraumatic stress disorder. *Journal of Abnormal Psychology* 2006;115:484-495 (Refereed article).
- P-177. Hinton DE, Chhean D, Pich V, Pollack MH, Orr SP, **Pitman, RK**. Assessment of posttraumatic stress disorder in Cambodian refugees using a Khmer language version of the Clinician-Administered PTSD Scale: psychometric properties and symptom severity. *Journal of Traumatic Stress* 2006;19:405-409 (Refereed article).
- P-176. Gurvits TV, Metzger LJ, Lasko NB, Cannistraro PA, Tarhan AS, Gilbertson MW, Orr SP, Charbonneau AM, Wedig MM, **Pitman RK**. Subtle neurological compromise as a vulnerability factor for combat-related posttraumatic stress disorder: results of a twin study. *Archives of General Psychiatry* 2006;63:571-576 (Refereed article).
- P-175. **Pitman RK**. Secondary pharmacological prevention of PTSD: therapeutic implications for a translational model. In Kato N, Kawata M, Pitman RK (Eds.): *PTSD: Brain Mechanisms and Clinical Implications*. In Tokyo: Springer-Verlag, 2006:281-296 (Book chapter).
- P-174. Kato N, Kawata M, **Pitman RK** (eds.) *PTSD: Brain Mechanisms and Clinical Implications*. Tokyo: Springer-Verlag, 2006 (Book).
- P-173. **Pitman RK**. Combat effects on mental health: the more things change, the more they remain the same. *Archives of General Psychiatry* 2006;63:127-128 (Commentary).
- P-172. Rauch SL, Milad MR, Orr SP, Quinn BT, Fischl B, **Pitman, RK**. Orbitofrontal thickness, retention of fear extinction, and extraversion. *Neuroreport* 2005;16:1909-1912 (Refereed article).
- P-171. Milad MR, Quinn BT, **Pitman RK**, Orr SP, Fischl B, Rauch SL. Thickness of ventromedial prefrontal cortex in humans is correlated with extinction memory. *Proceedings of the National Academy of Science USA* 2005;102:10706-10711 (Refereed article).
- P-170. Milad MR, Orr SP, **Pitman RK**, Rauch SL. Context modulation of memory for fear extinction in humans. *Psychophysiology* 2005;42:456-464 (Refereed article).
- P-169. Elman I, Ariely D, Mazar N, Aharon I, Lasko NB, Macklin ML, Orr SP, Lukas SE, **Pitman RK**. Probing reward function in post-traumatic stress disorder with beautiful facial images. *Psychiatry Research* 2005;135:179-183 (Refereed article).
- P-168. Shin LM, Wright CI, Cannistraro PA, Wedig MM, McMullin K, Martis B, MD, Macklin ML, Lasko NB, Cavanagh SR, Krangel TS, Orr SP, **Pitman RK**, Whalen PJ, Rauch SL. A functional magnetic resonance imaging study of amygdala and medial prefrontal cortex responses to overtly presented fearful faces in posttraumatic stress disorder. *Archives of General Psychiatry* 2005;62:273-281 (Refereed article).
- P-167. **Pitman RK**, Delahanty DL. Conceptually driven pharmacological approaches to trauma. *CNS Spectrums* 2005;10:99-106 (Refereed article).

- P-166. Zatzick D, Russo J, **Pitman RK**, Rivara F, Jurkovich G, Roy-Byrne P. Reevaluating the association between emergency department heart rate and the development of PTSD: a public health approach. *Biological Psychiatry* 2005;57:91-95 (Refereed article).
- P-165. Roy-Byrne P, Arguelles L, Vitek ME, Goldberg J, Keane TM, True WR, **Pitman RK**. Persistence and change of PTSD symptomatology: a longitudinal co-twin control analysis of the Vietnam Era Twin Registry. *Social Psychiatry and Psychiatric Epidemiology* 2004;39:681-685 (Refereed article).
- P-164. McNally RJ, Lasko NB, Clancy SA, Macklin ML, **Pitman RK**, Orr SP. Psychophysiologic responding during script-driven imagery in people reporting abduction by space aliens. *Psychological Science* 2004;15:493-497 (Refereed article).
- P-163. Metzger LJ, Paige SR, Carso MA, Lasko NB, Paulus LA, **Pitman RK**, Orr SP. PTSD arousal and depression symptoms associated with increased right-sided parietal EEG asymmetry. *Journal of Abnormal Psychology* 2004;113:324-329 (Refereed article).
- P-162. Roy-Byrne PP, Russo J, Michelson E, Zatzick D, **Pitman RK**, Berliner L. Risk factors and outcome in ambulatory assault victims presenting to the acute emergency department setting: Implications for secondary prevention studies in PTSD. *Depression and Anxiety* 2004;19:77-84 (Refereed article).
- P-161. Shin LM, Shin PS, Heckers S, Krangel TS, Macklin ML, Orr SP, Lasko NB, Segal E, Makris N, Richert K, Levering J, Schacter DL, Alpert NM, Fischman AJ, **Pitman RK**, Rauch SL. Hippocampal function in posttraumatic stress disorder. *Hippocampus* 2004;14:292-300 (Refereed article).
- P-160. May FS, Chen QC, Gilbertson MW, Shenton ME, **Pitman RK**. Cavum septum pellucidum in monozygotic twins discordant for combat exposure: relationship to PTSD. *Biological Psychiatry* 2004;55:656-658 (Refereed article).
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- P-44. **Pitman RK**. VA accelerates support of PTSD research projects. *Research News* (Department of Veterans Affairs) Spring 1990:6-7 (Non-refereed article).
- P-43. **Pitman RK**, Orr SP, Steketee GS. Psychophysiological investigations of post-traumatic stress disorder imagery. *Psychopharmacology Bulletin* 1989;25:426-431 (Non-refereed article).
- P-42. van der Kolk BA, Greenberg MS, Orr SP, **Pitman RK**. Endogenous opioids, stress induced analgesia, and posttraumatic stress disorder. *Psychopharmacology Bulletin* 1989;25:417-421 (Non-refereed article).

- P-41. **Pitman RK**, Jenike MA. Normal and disordered compulsivity: evidence against a continuum. *Journal of Clinical Psychiatry* 1989;50:450-452 (Refereed article).
- P-40. **Pitman RK**. Post-traumatic stress disorder, hormones, and memory. *Biological Psychiatry*, 1989;26:221-223 (Editorial).
- P-39. **Pitman RK**, Orr SP. Psychophysiology of post-traumatic stress disorder. In Lerer B, Gershon S (Eds.): *New Directions in Affective Disorders*. New York: Springer-Verlag, 1989:447-450 (Book chapter).
- P-38. **Pitman RK**. Animal models of compulsive behavior. *Biological Psychiatry* 1989;26:189-198 (Refereed article).
- P-37. **Pitman RK**, Altman B, Macklin ML. Prevalence of post-traumatic stress disorder in wounded Vietnam veterans. *American Journal of Psychiatry* 1989;146:667-669 (Refereed article).
- P-36. **Pitman RK**, Jenike MA. Coprolalia in obsessive compulsive disorder: a missing link. *Journal of Nervous and Mental Diseases* 1988;176:311-313 (Refereed article).
- P-35. **Pitman RK**. Post-traumatic stress disorder, conditioning, and network theory. *Psychiatric Annals* 1988;18:182-189 (Non-refereed article).
- P-34. **Pitman RK**. Who (or what) is in control here? *Continuing the Conversation* (Newsletter of the American Society for Cybernetics) 1987;9:2 (Commentary).
- P-33. **Pitman RK**. Behavioral output can be controlled (in a sense). *Continuing the Conversation* (Newsletter of the American Society for Cybernetics) 1987;8:2-3 (Commentary).
- P-32. **Pitman RK**, Orr SP, Forgue DF, de Jong JB, Claiborn JM. Psychophysiologic assessment of post-traumatic stress disorder imagery in Vietnam combat veterans. *Archives of General Psychiatry* 1987;44:970-975 (Refereed article).
- P-31. **Pitman RK**. Pierre Janet on obsessive compulsive disorder (1903): review and commentary. *Archives of General Psychiatry* 1987;44:226-232 (Refereed article).
- P-30. **Pitman RK**, Green RC, Jenike MA, Mesulam MM. Clinical comparison of Tourette syndrome and obsessive compulsive disorder. *American Journal of Psychiatry* 1987;144:1166-1171 (Refereed article).
- P-29. **Pitman RK**. A cybernetic model of obsessive-compulsive psychopathology. *Comprehensive Psychiatry* 1987;28:334-343 (Refereed article).
- P-28. **Pitman RK**, Kolb B, Orr SP, de Jong J, Yadati S, Singh MM. On the utility of ethological data in psychiatric research: the example of facial behavior in schizophrenia. *Ethology and Sociobiology* 1987;8:111S-1116S (Refereed article).
- P-27. Orr SP, **Pitman RK**. Electrodermal psychophysiology of anxiety disorder: orienting response habituation and spontaneous fluctuation. *Biological Psychiatry* 1987;22:653-656 (Refereed article).

- P-26. **Pitman RK**, Kolb B, Orr SP, Singh MM. Ethological study of facial behavior in nonparanoid and paranoid schizophrenics. *American Journal of Psychiatry* 1987;144:99-102 (Refereed article).
- P-25. Green RC, **Pitman RK**. Tourette disorder and obsessive-compulsive disorder. In Jenike MA, Baer L, Minichiello WE (Eds.): *Obsessive-Compulsive Disorder: Theory and Management*. Littleton, MA: PSG, Inc., 1987:147-164 (Book chapter).
- P-24. **Pitman RK**. Review of Post-Traumatic Stress Disorder and the War Veteran Patient. *Journal of Clinical Psychiatry* 1986;47:481 (Book review).
- P-23. **Pitman RK**, Orr SP. Test of the conditioning model of neurosis: differential aversive conditioning of angry and neutral facial expressions. *Journal of Abnormal Psychology* 1986;95:208-213 (Refereed article).
- P-22. **Pitman RK**. The septo-hippocampal system and ego. *Behavioral and Brain Sciences* 1984;7:744-745 (Commentary).
- P-21. **Pitman RK**. Janet's Obsessions and Psychasthenia: a synopsis. *Psychiatric Quarterly* 1984;56:291-314 (Refereed article).
- P-20. **Pitman RK**. Tourette's syndrome and ethology. *American Journal of Psychiatry* 1983;140:652 (Letter).
- P-19. Kolada SJ, **Pitman RK**. Eye-head synkinesia in schizophrenic adults during a repetitive visual search task. *Biological Psychiatry* 1983;18:675-684 (Refereed article).
- P-18. Singh MM, Becker RE, **Pitman RK**, Nasrallah MA, Lal H. Sustained improvement in tardive dyskinesia with diazepam: indirect evidence of corticolimbic involvement. *Brain Research Bulletin* 1983;11:179-185 (Refereed article).
- P-17. Singh MM, Lal H, Becker RE, **Pitman RK**, Nasrallah H. Effectiveness of diazepam in tardive dyskinesia: indirect evidence for GABA-ergic corticolimbic control of motor dysfunctions. *Federation Proceedings* 1982;41:1223 (Abstract).
- P-16. **Pitman RK**, Singh MM, Druff JH. Decreased eyebrow raising by schizophrenics during interview. *Man Environment Systems* 1982;11:116 (Abstract).
- P-15. **Pitman RK**. Neurological etiology of obsessive-compulsive disorders? *American Journal of Psychiatry* 1982;139:139-140 (Letter).
- P-14. **Pitman RK**. Redirected aggression and suicide. *Behavioral and Brain Sciences* 1982;5:315-316 (Commentary).
- P-13. Singh MM, Becker RE, **Pitman RK**, Nasrallah HA, Lal H, Dufresene RL, Weber SS, McCalley-Whitters M. Diazepam-induced changes in tardive dyskinesia: suggestions for a new conceptual model. *Biological Psychiatry* 1982;17:729-742 (Refereed article).
- P-12. Singh MM, Kay SR, **Pitman RK**. Aggression control and structuring of social relations among recently admitted schizophrenics. *Psychiatry Research* 1981;5:157-169 (Refereed article).

- P-11. **Pitman RK**. The adaptive role of maladaptive neurosis: an evolutionary misconception. *Biological Psychiatry* 1981;16:207-208 (Letter).
- P-10. Lal H, Singh MM, Becker RE, Nasrallah H, **Pitman R**. Long-term alleviation of tardive dyskinesia with diazepam. *Journal of the American Osteopathic Association* 1981;80:759 (Abstract).
- P-9. Singh MM, Kay SR, **Pitman RK**. Territorial behavior of schizophrenics: a phylogenetic approach. *Journal of Nervous and Mental Diseases* 1981;169:503-512 (Refereed article).
- P-8. **Pitman RK**, Moffett PS. Somatization disorder (Briquet's syndrome) in a male veteran. *Journal of Nervous and Mental Diseases* 1981;169:462-466 (Refereed article).
- P-7. **Pitman RK**. Austro-German ethology and schizophrenia. *Behavioral and Brain Sciences* 1980;3:627-628 (Commentary).
- P-6. **Pitman RK**. The conditioning model of neurosis: promise and limitations. *Behavioral and Brain Sciences* 1980;6:462-463 (Commentary).
- P-5. Singh MM, Nasrallah HA, Lal H, **Pitman RK**, Becker RE, Kucharski T, Karkalas J, Fox R. Treatment of tardive dyskinesia with diazepam: indirect evidence for the involvement of limbic, possibly GABA-ergic mechanisms. *Brain Research Bulletin* 1980;5S2:673-680 (Refereed article).
- P-4. **Pitman RK**. A political implication of drug-induced supersensitivity. *American Journal of Psychiatry* 1979;137:993 (Letter).
- P-3. **Pitman RK**. Differential bonding and triune brain. *American Journal of Psychiatry* 1979;136:997-998 (Letter).
- P-2. **Pitman RK**. More on dominance, Freud, and sex. *American Journal of Psychiatry* 1975;132:568-569 (Letter).
- P-1. **Pitman RK**. Dominance and sexual behavior related to psychoanalytic literature. *American Journal of Psychiatry* 1974;131:1289 (Letter).

Invited Lectures (L):

- L-63. Neuroimaging studies of post-traumatic stress disorder. VA Medical Center, West Roxbury, MA, May 16, 2007.
- L-62. Neurobiological studies of post-traumatic stress disorder. Veterans Affairs Canada National Conference, Montreal, PQ, Canada, May 9, 2007.
- L-61. Neuroethics of the use of propranolol for secondary prevention of post-traumatic stress disorder. National Institute of Mental Health, Bethesda, MD, April 24, 2007.
- L-60. Psychobiologic studies of post-traumatic stress disorder. Cambridge Hospital Department of Psychiatry, Cambridge, MA, October 4, 2006.

- L-59. Stress hormones and post-traumatic stress disorder, Koninklijke Nederlandse Akademie van Wetenschappen, Amsterdam, Netherlands, August 29, 2006.
- L-58. Psychobiologic studies of post-traumatic stress disorder. Brown University Department of Psychiatry, Providence, RI, April 5, 2006.
- L-57. Reconsolidation blockade with propranolol in post-traumatic stress disorder. Banbury Conference, Cold Spring Harbor, NY, March 28, 2006.
- L-56. Research into novel uses of beta-adrenergic blockers in the prevention and treatment of post-traumatic stress disorder. Memory and Brain: Basic Mechanisms and Clinical Implications, University of California, Irvine, CA, March 14, 2006.
- L-55. Psychobiologic studies of post-traumatic stress disorder. Boston University Department of Psychiatry, Boston, MA, May 19, 2005.
- L-54. Secondary pharmacological prevention of PTSD: therapeutic implications for a translational model. PTSD: Brain Mechanisms and Clinical Implications. Kyoto, Japan, February 17, 2005.
- L-53. Psychobiologic studies of post-traumatic stress disorder. Tufts University Department of Psychiatry, Boston, MA, September 27, 2004.
- L-52. Psychobiologic studies of post-traumatic stress disorder: an update. Stanford University Department of Psychiatry, Palo Alto, CA, April 15, 2004.
- L-51. Conceptually driven pharmacological approaches to acute trauma. Anxiety Disorders Association of America Satellite Research Conference, Miami, FL, March 11, 2004.
- L-50. Psychobiologic studies of post-traumatic stress disorder. University of Michigan Department of Psychiatry, Ann Arbor, MI, October 17, 2003.
- L-49. Psychobiologic studies of post-traumatic stress disorder. University of Wisconsin Department of Psychiatry, Madison, WI, February 28, 2003.
- L-48. Psychobiologic studies of post-traumatic stress disorder. Stanford University Department of Psychiatry, Palo Alto, CA, October 17, 2002.
- L-47. Preventive therapeutic interventions: future perspectives. 4<sup>th</sup> National Scientific Day, Association de Formation et de Recherche des Cellules d'Urgence Médico-Psychologique, Marseilles, France, June 21, 2002.
- L-46. PTSD, the amygdala, and hormonal modulation of memory: implications for secondary pharmacologic prevention. University of Siena Conference on Traumatic Events and Mental Health, Siena, Italy, June 6, 2002.
- L-45. Clinical aspects of post-traumatic stress disorder. University of Siena Conference on Traumatic Events and Mental Health, Siena, Italy, June 5, 2002.
- L-44. Neuropsychopharmacological studies of conditioning and memory in PTSD. Massachusetts Institute of Technology Symposium on the Neuropsychiatry of Post-Traumatic Stress Disorder, Cambridge, MA May 14, 2002.

- L-43. PTSD, the brain, hormones and memory. Illinois Psychiatric Society Spring Colloquium, Chicago, IL, April 10, 2002.
- L-42. Psychobiology of post-traumatic stress disorder. Ontario Psychiatric Association, Toronto, Ontario, Canada, January 18, 2001.
- L-41. Psychobiology of post-traumatic stress disorder. Yale Trauma Recovery Program, New Haven, CT, March 2, 2000.
- L-40. Neuropeptides and post-traumatic stress disorder. Summer Neuropeptide Conference, Key West, FL, June 28, 1999.
- L-39. Neurobiology of post-traumatic stress disorder. Butler Hospital/Brown University School of Medicine, Providence, RI, February 4, 1999.
- L-38. Post-traumatic stress disorder and psychophysiology. New Hampshire Psychological Association, Manchester, NH, January 9, 1998.
- L-37. Psychobiologic research into post-traumatic stress disorder. University of Melbourne, Melbourne, Australia, December 5, 1997.
- L-36. Psychobiologic research into post-traumatic stress disorder. University of Tasmania Royal Hobart Hospital, Hobart, Australia, December 4, 1997.
- L-35. Psychobiologic research into post-traumatic stress disorder. University of Adelaide Queen Elizabeth Hospital, Adelaide, Australia, December 2, 1997.
- L-34. Psychobiologic research into post-traumatic stress disorder. University of Queensland Royal Brisbane Hospital, Brisbane, Australia, November 26, 1997.
- L-33. Psychobiologic research into post-traumatic stress disorder. University of Canberra Center for Biomedical Sciences, Canberra, Australia, November 25, 1997.
- L-32. Psychobiologic research into post-traumatic stress disorder. University of Sydney Westmead Hospital, Sydney, Australia, November 24, 1997.
- L-31. New insights into post-traumatic stress disorder. Third Irving Health Foundation Distinguished Lecture Series on Brain, Learning, and Memory. University of California, Irvine, CA, May 21, 1997.
- L-30. Psychophysiological assessment of women's imagery of childhood sexual abuse. Cognitive Neuroscience Society, Boston, MA, March 24, 1997.
- L-29. Psychophysiological studies of post-traumatic stress disorder. University of California at San Francisco Medical School, San Francisco, CA, November 13, 1996.
- L-28. Psychophysiological studies of post-traumatic stress disorder. California Psychiatric Association Ninth Annual Premiere Conference, Rancho Mirage, CA, October 12, 1996.
- L-27. Psychobiology of PTSD. California Psychiatric Association Ninth Annual Premiere Conference, Rancho Mirage, CA, October 11, 1996.

- L-26. Overview of biological themes in PTSD. New York Academy of Sciences Conference on Psychobiology of Posttraumatic Stress Disorder, New York, September 7, 1996.
- L-25. Post-traumatic stress disorder. Page and William Black Post-Graduate School of Medicine Symposium on Obsessive-Compulsive Spectrum Disorders: New Dimensions and Practical Management, New York, March 30, 1996.
- L-24. Neurobiology of post-traumatic stress disorder. New Mexico Institute of Neuroimaging, Albuquerque, NM, March 15, 1996.
- L-23. Magnetic resonance imaging studies of hippocampal volume in post-traumatic stress disorder. Rockefeller University, New York, NY, February 23, 1996.
- L-22. Psychophysiology of post-traumatic stress disorder. Dartmouth Medical School Department of Psychiatry-New Hampshire Hospital, Concord, NH, October 5, 1995.
- L-21. Psychobiology of post-traumatic stress disorder. State University of New York, Buffalo, NY, June 2, 1995.
- L-20. Post-traumatic stress disorder and psychic injury. New Hampshire Bar Association Mid-Winter Meeting. Manchester, NH, January 27, 1995.
- L-19. Neurologic status of Vietnam veterans with post-traumatic stress disorder (discussion). Massachusetts Neuropsychological Society. Boston, MA, January 3, 1995.
- L-18. Psychobiology of post-traumatic stress disorder. British Association for Psychopharmacology, Kings College, Cambridge, U.K., July 26, 1993.
- L-17. Historical perspective on obsessive compulsive disorder. First Plenary Session, First International Obsessive Compulsive Disorder Conference, Capri, Italy, March 12, 1993.
- L-16. Psychophysiology of emotion memory networks in post-traumatic stress disorder. Fifth Conference on the Neurobiology of Learning and Memory, University of California, Irvine, CA, October 23, 1992.
- L-15. Psychophysiologic testing for post-traumatic stress disorder: potential forensic psychiatric application. New Hampshire Trial Lawyers Association, Concord, NH, February 25, 1992.
- L-14. Psychophysiology of post-traumatic stress disorder. Hahnemann Medical College, Philadelphia, PA, February 13, 1992.
- L-13. Psychophysiology of post-traumatic stress disorder. University of Kansas Medical Center, Kansas City, KS, February 8, 1991.
- L-12 Psychobiology of post-traumatic stress disorder. Duke University Medical Center, Asheville, NC, August 31, 1990.

- L-11. Psychophysiology of post-traumatic stress disorder. Anxiety Disorders Association of America, Bethesda, MD, March 17, 1990.
- L-10. The movie *Platoon* and post-traumatic stress disorder in Vietnam veterans. Israel Film Archive Cinematheque, Jerusalem, Israel, April 6, 1989.
- L-9. The movie *Platoon* and post-traumatic stress disorder in Vietnam veterans. Israel Film Archive Cinematheque, Tel Aviv, Israel, April 4, 1989.
- L-8. Psychophysiological studies of post-traumatic stress disorder. Hadassah University Hospital, Jerusalem, Israel, April 3, 1989.
- L-7. Psychophysiology of post-traumatic stress disorder. Uniformed Services University of the Health Sciences, Bethesda, MD, May 25, 1988.
- L-6. A psychobiological network theory of post-traumatic stress disorder. University of Florida, Gainesville, FL, March 4, 1988.
- L-5. Psychophysiology of post-traumatic stress disorder. Worcester Memorial Hospital, Worcester, MA, January 20, 1988.
- L-4. Psychophysiology of post-traumatic stress disorder. Nielson Distinguished Lecture Program, University of Utah School of Medicine, Salt Lake City, UT, January 6, 1988.
- L-3. Neuroethology of forced agitations. Butler Hospital and Brown University School of Medicine, Providence, RI, October 8, 1987.
- L-2. Combat stress reaction and post-traumatic stress disorder. Tidewater Chapter, Association of Military Surgeons of the United States, Norfolk, VA, May 15, 1987.
- L-1. Psychophysiology of post-traumatic stress disorder. New York University School of Medicine, New York, NY, January 29, 1987.

Grants Received (G) (All as Principal Investigator. Dollar figures indicate direct costs):

- G.17. A psychophysiologic study of weakening traumatic combat memories with post-reactivation propranolol. June 1, 2007-May 31, 2010. U.S. Army Peer-Reviewed Medical Research Program (PRMRP) #W81XWH-01-1-0440: \$624,826
- G-16. Post-trauma prophylaxis of post-traumatic stress disorder with propranolol. August 1, 2004-May 31, 2008. NIMH #1R01MH068603-01A1: \$1,512,095.
- G-15. Supplement to Twin study of biologic markers for PTSD. December 18, 2003-May 31, 2007. NIMH #2R01MH54636S1: \$1,535,019.
- G-14. Twin study of biologic markers for PTSD. July 1, 2002-June 30, 2007. NIMH #2R01MH54636: \$1,910,188.
- G-13. Secondary Prevention of Post-Traumatic Stress Disorder with Propranolol. September 1, 1998-May 31, 2002. NIMH #R01MH58671: \$300,000.

- G-12. PET study of cerebral blood flow during traumatic mental imagery in PTSD. October 1, 1996-September 30, 1999. VA Medical Research Service Merit Review: \$308,800.
- G-11. Twin study of biologic markers for PTSD. September 30, 1995-September 29, 2001. NIMH #R01MH54636: \$1,701,803.
- G-10. Incidence and psychophysiology of PTSD in breast cancer patients and witnesses. September 26, 1994-September 25, 1998. U.S. Army Peer-Reviewed Medical Research Program (PRMRP) #DAMD17-94-J-4365: \$553,000.
- G-9. Psychophysiology of visible and invisible trauma. September 1, 1994-August 31, 1997. NIH Fogarty International Center #R03TW00452: \$60,000
- G-8. Psychophysiological study of child abuse imagery in adults. September 1, 1993-August 31, 1996. NIMH #R01MH48559: \$268,000.
- G-7. Psychophysiological assessment of hormonal modulation of memory in PTSD. October 1, 1991-September 30, 1996. VA Medical Research Service Merit Review: \$460,600.
- G-6. Psychophysiology of imaginal flooding treatment of PTSD. September 1, 1988-August 31, 1993. NIMH #R01MH42872: \$466,474.
- G-5. Psychophysiology of post-traumatic stress disorder. April 1, 1987-March 31, 1990. VA Medical Research Service Merit Review: \$169,544.
- G-4. Psychophysiology of post-traumatic stress disorder. January 1, 1987-December 31, 1991. VA Medical Research Service Research Career Development: \$523,840.
- G-3. Service medical record review of PTSD Vietnam veterans. October 1, 1986-March 31, 1987. VA Medical Research Service Merit Review supplement: \$31,000.
- G-2. Psychophysiological assessment of post-traumatic stress disorder. April 1, 1985-March 31, 1987. VA Medical Research Service Merit Review: \$95,000.
- G-1. Conditioning, neurosis and person perception. September 15, 1983-March 31, 1987. NIMH: #R01MH39341: \$60,143.