

Jodie Anne Trafton, Ph.D.

795 Willow Road (152-MPD)

Menlo Park, CA 94025

Phone: (650) 493-5000 x22474

e-mail: Jodie.Trafton@va.gov

Education

- 9/95 - 6/00 **University of California at San Francisco** – Ph.D. in Neuroscience
9/91 - 6/95 **Stanford University** - BS, MS in Biological Sciences

Research Positions

- 5/09 – present **VA Palo Alto Health Care System’s Program Evaluation and Resource Center**
- *Director*
- 3/06 – 5/09 **VA Palo Alto Health Care System’s Center for Health Care Evaluation**
- *Health Science Specialist for the Program Evaluation and Resource Center*
- 7/03 – 3/06 **VA Palo Alto Health Care System’s Center for Health Care Evaluation**
- *Merit Review Entry Program Awardee*
- 7/00 – 7/03 **VA Palo Alto Health Care System’s Center for Health Care Evaluation**
- *Multisite Opioid Substitution Treatment Study Director*
- 1/02 - present **Institute for Brain Potential**
- *Director of the Institute for Disease Management*
- 96 - 00 **UCSF Department of Physiology - Dr. Allan Basbaum’s lab**
- *PhD thesis*
- 96 - 00 **UCSF Department of Pharmacology - Dr. David Julius’s lab**
- *laboratory rotation and collaboration*
- 95 **UCSF Department of Physiology - Dr. Mary Dallman’s lab**
- *laboratory rotation*
- 93 - 95 **Stanford Dept. of Biological Sciences - Dr. Robert Sapolsky’s lab**
- *undergraduate honors thesis and masters degree.*

Academic Affiliation

- 4/03 – present **Stanford University Medical School Dept. of Psychiatry and Behavioral Sciences**
4/06 - present - Clinical Assistant Professor (affiliated)
4/03-4/06 - Adjunct Clinical Instructor

Treatment monitoring and policy

Member of SUD Tactical Plan Work Group, VA Mental Health Strategic Health Group

Implementation Monitor for The Veterans Millennium Health Care and Benefits Act P.L. 106-117
Section 116 and PL-108-70 Section 108.

Co-ordinator of VHA’s Triennial Drug and Alcohol Program Survey

Member of the SUD Quality Enhancement Research Initiative Work Groups on buprenorphine implementation, methadone maintenance treatment improvement, and SUD/PTSD comorbidity

Member of Advisory Board of the Legacy Foundation

Grants as Principal Investigator

Supplement to IIR 04-175-3 (Trafton, PI)	10/09-1/11	
VA Health Services Research & Development Service		\$90,700
Dissemination Supplement for Seeking Safety		
This provides funding to develop an implementation toolkit, including materials and networks, to facilitate the implementation of Seeking Safety for male veterans in VA substance use disorder clinics.		
IIR 04-175-3 (Trafton, PI)	1/06-1/11	
VA Health Services Research & Development Service		\$681,000
Effectiveness of Screening and Treatment for PTSD in SUD patients		
This randomized controlled trial tests the effectiveness of the cognitive behavioral therapy program "Seeking Safety" for the treatment of co-morbid PTSD and substance use disorders in U.S. veteran populations.		
DNA 08-126 (Clark & Trafton, PI)	3/08-9/09	
VA Health Services Research and Development		\$149,165
Feasibility, process and cost evaluation of pharmacogenomics for opioid therapy		
This project collects pilot data on patient and physician beliefs, concerns and preferences regarding pharmacogenomic medicine, develops a plan for implementation and assessment of cost-effectiveness of a pharmacogenomic procedure, specifically CYP testing to guide opioid prescribing		
TRX 04-402 (Trafton, PI)	3/07-6/08	
VA Health Services Research & Development		\$924,125
Decision Support for the Management of Opioid Therapy in Chronic Pain		
An implementation study that develops and pilot tests a computerized decision support system to assist primary care clinicians with opioid prescribing in hopes of reducing medication abuse and improving chronic pain management.		
RRP 07-316 (Trafton, PI)	7/07-6/08	
VA Rehabilitation Research and Development		\$75,000
Validation of computerized risk assessment for prescription opioid abuse		
This project develops and validates a computerized algorithm for predicting risk of prescription opioid medication abuse and problems in VA patients		
CR04-PAIRE-519 (Trafton, PI)	11/04-11/07	
University AIDS Research Program community collaborative award		\$275,000
Integrated pain management for HIV patients		
This project evaluates the acceptability and effectiveness of integrating a cognitive behavioral therapy based pain management program in HIV primary care clinics		
MRP 02-260-1 (Trafton, PI)	3/03-3/06	
VA Health Services Research and Development		\$290,700
This award provides salary support for an independent research program developing and evaluating treatments for co-morbid substance use disorders, chronic pain and PTSD.		
Trafton, PI	6/06-6/08	
VA Center for Health Care Evaluation locally funded project		\$50,000
Stress, Withdrawal and Acceptance in Opiate and Nicotine Dependent Individuals		
This project examines the impact of stress and drug withdrawal on craving, pain tolerance and acceptance of negative affects in human subjects		

Trafton, PI 6/06-6/08
VA Center for Health Care Evaluation locally funded project \$50,000
A Crosssectional Analysis of the Relationship between Behavioral Reactivity and Disorders of Overconsumption and Overavoidance
This project examines predictions of a transdisciplinary model describing mechanism of change of a factor associated with recovery from addictive disorders

Trafton, PI 1/02 - present
Institute for Brain Potential \$180,000
Best Practices in the Behavioral Management of Chronic Disease
This award provides funding for a regularly updated book series on the effectiveness of behavioral health interventions

Trafton, PI 6/04-9-04
VPUE Faculty grant from the Stanford Undergraduate Research Office \$5,000
Effectiveness of a brief screen for Posttraumatic Stress Disorder in Substance Use Disorders patients
This award provides funding for an undergraduate student to conduct a validation of a brief screener for PTSD as an honors research project.

Grants as co-investigator, mentor or director

(Bohnert, PI, Trafton, external advisor) ??
VA Health Services Research and Development Service, Career Development Award
This project provides Dr. Amy Bohnert support for mentored training and research investigating overdoses on opioid pain medications.

RRP (Cronkite, PI, Trafton, co-investigator) 10/09 – 9/10
VA Quality Improvement Research Initiative
Implementation of ATHENA-OT Decision Support: Facilitators and Barriers
This project examines barriers and facilitators to implementation of the ATHENA-Opioid Therapy decision support system in primary care clinics with and without an expert team to facilitate installation.

(Bonn-Millr, PI, Trafton, Mentor) 10/09-9/12
VA Basic and Clinical Research and Development Service, Career Development Award
Impact of PTSD on Marijuana Use Treatment Outcome
This project provides Dr. Marcel Bonn-Miller support for mentored training and research investigating the magnitude and mechanisms of the effect of PTSD on treatment outcomes for marijuana use.

IIR (Sinnott, PI, Trafton, co-investigator) 9/09-4/11
VA Health Services Research & Development Service \$109,000
Musculoskeletal Spine Pain in VA, Description and Guideline Adherence
This project examines the prevalence and current treatment patterns for back pain in VA, and compares current practice to recommended practices in the newly adopted clinical practice guidelines for low back pain.

(Barnett, PI, Trafton, co-investigator) 9/06-3/07
VA Health Services Research & Development RRP \$75,000
Economic Impacts of Buprenorphine Adoption in the Veterans Health Administration”
This project examines impact of buprenorphine on use of VA services.

(Gifford, PI, Trafton, co-investigator) 3/06-3/08
University AIDS Research Program IDEA research grant \$100,000
Acceptance based therapy for avoidance coping in HIV patients
This project develops and pilot tests the acceptability and effectiveness of a group therapy to reduce avoidance coping and improve quality of life in a population of patients with HIV/AIDS and various mental health disorders (e.g. depression, PTSD, substance use disorder, chronic pain)

SUS 99-026-2 (Humphreys, PI, Trafton, Project Director) 7/00-7/03
VA Health Services Research and Development \$669,000
Clinical Practices and Outcomes in VA Methadone Programs
An 8 site study of the effects of clinical practice guideline adherence on the clinical and cost outcomes of methadone maintenance treatment for heroin addiction

Grants approved for funding with pending start dates:

IIR 08-071-2 (Pizer, PI, Trafton, co-investigator) 1/10-12/11
VA Health Services Research & Development Service \$245,000
Access to Treatment and Outcomes for Veterans with Substance Use Disorders
This project will examine the impact of variation in availability and access to specialty SUD treatment within VA on outcomes and health care utilization for common medical disorders.

IIR (Ilgen, PI, Trafton, co-investigator) 10/09-9/12
VA Health Services Research & Development Service \$242,800
Managing Chronic Pain in Veterans with Substance Use Disorders
This project will test the effectiveness and mechanisms of action of cognitive behavioral therapy for chronic pain in patients receiving treatment for substance use disorders.

Grants under review:

Cucciare (PI) 10/09 – 9/10
VA HSR&D Pilot Project Program
Feasibility of a Computerized Intervention for Alcohol Misuse in Primary Care
The main objective of this pending Pilot Project is to determine the feasibility of conducting a full-scale clinical trial comparing a computerized motivational Intervention plus treatment-as-usual to treatment-as-usual alone for treating alcohol misusing veterans presenting to primary care.

1 R25 DA026375-01 (Gifford, PI) 4/10-3/15
NIDA \$200,000
A Science of Addiction Curriculum for Community Coalitions
Aim is to develop a case-based neuroscience of addiction curriculum for rural community coalitions to support community prevention efforts.

(Trafton, PI) 10/09-9/12
VA Health Services Research & Development Service \$300,000
Incorporating Patient Preferences in Clinical Use of Genomic Information
This project iteratively develops and tests a web-based educational tool and patient preference assessment about clinical use of genomic information.

1RC1LM010387-01 (Trafton, PI) 9/09-9/11
NIH ARRA Challenge Grants \$378,609

The goal of this study is to enhance the ability of health care systems to provide ethical, patient-centered care to their patients when genomic tests become widely available. This study will develop and evaluate methods to ensure that patients' preferences about electronic storage, access to, and clinical use of their genomic information are incorporated into their electronic medical record and followed in clinical care.

(Bonn-Miller, PI)

4/10-3/12

California HIV/AIDS Research Program - IDEA Award

\$249,400

Impact of Marijuana Use on HIV Treatment Adherence

This cross-sectional study investigates the impact and mechanisms of marijuana use on antiretroviral adherence in HIV patients.

Teaching Experience

- 08 - Ongoing Instructor for Introduction to Psychotherapy and Pathology at Stanford University Medical School Department of Psychiatry and Behavioral Sciences for 2nd year psychiatry residents
- 01 – Ongoing Instructor for Addiction Psychiatry at Stanford University Medical School Department of Psychiatry and Behavioral Sciences for 3rd and 4th year psychiatry residents
- 01 - 03 Instructor for Principles of Pharmacology for the University of California Santa Cruz extension school Clinical Trials Certificate program
- 00 – 01 Instructor for Biology and You for University of California Santa Cruz extension school
- 98 - 00 Instructor for Psychiatry 101 Brain and Behavior for UCSF Medical School for 1st year medical students
- 97 Teaching Assistant for Phys 126 Intro Neuroscience for Pharmacy Students for UCSF pharmacy school
- 97 Tutor - Anatomy 103 Neuroanatomy at UCSF Medical School
- 90 - 00 Gymnastics Instructor at Somersault Center, Menlo Park Gymnastics, and Acrosports
Taught gymnastics and physical education to students aged 18 months to adult

Medical Seminars

Trafton JA. (Oct 13, 2010) “Pain and Addiction: How Hurtful Habits Happen” 3rd Annual Innovations with Pain Management: Beyond the Basics, Stanford CA.

Trafton JA. (Oct. 2, 2010) “Neurobiology of Chronic Pain” Kaiser Permanente Chronic Pain Symposium, Berkeley, CA.

Trafton JA. (Sept. 15, 2009) “Decision Support for the Management of Opioid Therapy in Chronic Pain.” VireC Clinical Informatics Cyberseminar, VA Nationwide.

- Miotto K, **Trafton JA**, Evans CJ, Kreis P, Pohl M, Truong P. (Oct. 22, 2008) " Effective Strategies for Treating Pain and Addiction". Workshop at California Society for Addiction Medicine's Addiction Medicine Review Course, 2008. Newport Beach, CA.
- Trafton JA**. (Sept. 29, 2008) "2003 VA/DOD Clinical Practice Guideline Based Computer Decision Support System" VA High Alert Medication Cyberseminar, web-based throughout nation-wide VA system.
- Trafton JA**. (Aug 7, 2008) "Addiction in Chronic Pain Patients." 2nd Annual Innovations with Pain Management: Beyond the Basics, Stanford, CA.
- Trafton JA**. (May 14, May 16, May 17, Sept 19, Sept 24, Sept 26, 2008) "Disorders of Impulse Control." All-day seminars for the Institute for Brain Potential in Boston, MA and SF Bay Area.
- Trafton JA**. (April 11, 2008) "The neurobiology of well-being: Clinical implications for the treatment of chronic pain and addiction", invited talk for workshop entitled "Creative Management in Chronic Pain-Implications for Drug Dependent Patients", moderated by Mel Pohl, MD at the 39th Annual American Society for Addiction Medicine Medical-Scientific Conference, Toronto, Canada.
- Trafton JA**. (March 10, 2008) The neurobiology of well-being: Clinical implications for the treatment of chronic pain and addiction. Invited lecture for Washington Society for Addiction Medicine Annual Meeting, Seattle, WA.
- Trafton JA**. (Nov. 8, 2007)"ATHENA-Opioid Therapy: A Computerized Decision Support System for Treatment of Chronic Non-cancer Pain" VA QUERI Implementation Seminar, web-based throughout nation-wide VA system.
- Trafton JA**. (2007) Pain and Addiction: Addressing the Tough Cases. invited panel member and lecturer for the American Academy of Family Practice meeting, San Francisco, CA.
- Trafton JA**. (2007) Advances in research on the neurobiology of addiction. invited lecture for the Washington Society for Addiction Medicine annual meeting, Seattle, WA.
- Trafton JA**. (2006) Neurobiology of Effective Treatments for Chronic pain. invited lecture for the California Medical Association, Anaheim, CA.
- Trafton JA**. (2006) Pain and Addiction: Addressing the Tough Cases. invited panel member and lecturer for the California Society of Addiction Medicine Addiction Medicine Review Course, San Francisco, CA.
- Trafton JA**. (2006) What a pain! invited interview on the neurobiology of pain experience for the "Strictly Dr. Drew" show on the Discovery Health channel, Season 2, episode 9, aired Nov. 9, 2006.
- Trafton JA**. (2006) Looking to the Future: Reducing the Tendency to Seek Rewards or Escape Distress: A Model. invited lecture for the Washington Society for Addiction Medicine annual meeting, Seattle, WA.

Trafton JA. (2005) Looking to the Future: Reducing the Tendency to Seek Rewards or Avoid Punishments: A Model. invited lecture for the California Society for Addiction Medicine annual meeting, Long Beach, CA.

Trafton JA. (2005) The Neurobiological Basis of Effective Behavioral Therapies for Chronic Pain. invited lecture for the California Society of Addiction Medicine annual meeting, Long Beach, CA.

Trafton JA. (2005) The Neurobiological Basis of Effective Behavioral Therapies. invited lecture for the International Doctors in Alcoholics Anonymous annual meeting, Palm Springs, CA, August 4.

Trafton JA. (2004) Why and How Principles of Addiction Treatment can be used to effectively treat Chronic Pain: Rethinking Chronic Pain based on Neuroanatomy. Pain and Addiction – The Interface of Paradigms and Practice. invited lecture for: Addiction Medicine Review Course 2004, Foundations of Addiction Medicine: Evidence and Art. California Society of Addiction Medicine and American Society of Addiction Medicine.

Trafton JA. (2004) The Multi-site Opioid Substitution Treatment Study: An Effectiveness trial of Methadone Maintenance in the U.S. Veterans Health Administration. invited lecture for: Centros de Integracion Juvenil 35th anniversary meeting. Mexico City, Mexico.

Trafton JA. (2005) Effectiveness of methadone maintenance for opioid dependent patients. invited lecture for: VA Oakland Mental Health Clinic.

Trafton JA. (2005) Primary Care for methadone maintained patients. invited lecture for: Primary Care Medicine providers at the VA Oakland Primary Care clinic. March 25, 2005.

Trafton JA, McKellar JM. (2005) Screening and Beyond: Important Roles for Primary Care Providers in the Management of Substance Use Disorders. invited lecture for: Primary Care Medicine providers at San Mateo County Hospital. March 2, 2005.

Trafton JA. (2002) Methadone maintenance – addiction treatment in practice. Invited lecture for Wheeler Center for the Neurobiology of Addiction seminar series.

Honors

- 09 Best Practice Award, Dept of Veterans Affairs, National VA Pain Management Conference
- 99 ARCS Foundation, Inc. Achievement Rewards for College Scientists Scholarship
- 96-99 National Science Foundation predoctoral fellowship
- 95 Fox award in Biological Sciences - for the most outstanding student in biological sciences at Stanford University
- 95 Departmental Honors - for completion of a departmental honors thesis and maintenance of a consistently high departmental GPA

Editor for:

Best Practices in Behavioral Management series, Institute for Brain Potential

Associate Editor for:

Addiction, Europe, Asia and Africa office

Ad hoc reviewer for:

Journal of Neuroscience
Neuroscience
Journal of Studies on Alcohol
Addiction
Journal of Behavioral Health Services and Research
Social Science and Medicine
Journal of General Internal Medicine
BMC Public Health
The Journal of Pain
Journal of Rehabilitation Research and Development
Psychology of Addictive Behaviors
New England Journal of Medicine

Grant reviewer for:

2007- 2009 VA Career Development Award Program, Clinical and Biomedical Research Services
2009 – 2010 VA Predoctoral Associated Health Rehabilitation Research Fellowship Program
2010 - VA Rehabilitation Research and Development Merit Review

Local reviewer for:

2004 – HSR&D subcommittee at the VA Palo Alto HCS
2006 - VA Palo Alto HSR&D post-doctoral program in health services research admissions committee

Research Publications

Gordon AJ, Geppert CMA, Saxon A, Cotton A, Bondurant T, Krumm M, Acquaviva MP, **Trafton JA**. Models for Treatment of Opioid Dependence Using Buprenorphine in the Veterans Health Administration. *Federal Practitioner* 26(5): 48-57.

McInnes DK, Hyun JK, **Trafton JA**, Asch SM, Gifford AL. Program Characteristics Associated with Testing for HIV and Hepatitis C in Substance Use Disorder Clinics. *Psychiatric Services*.

Cucciare MA, Sorrell JT, **Trafton JA**. (2009) Predicting Response to Cognitive-Behavioral Therapy in a Sample of HIV-positive Patients with Chronic Pain. *Journal of Behavioral Medicine*. 32 (4): 340-

Trafton JA, Ramani A. (2009) Methadone: A New Old Drug with Promise and Pitfalls. *Current Pain and Headache Reports*. 13(1):24-30.

Bernstein A, **Trafton JA**, Ilgen M, Zvolensky MJ. (2008). An evaluation of the role of smoking context on a biobehavioral index of distress tolerance. *Addictive Behaviors*. 33(11):1409-15.

Ilgen M, Jain A, Myra Kim H, **Trafton JA**. (2008) The effect of stress on craving for Methadone depends on the timing of last Methadone dose: Results of a pilot study. *Behavioral Research and Therapy* 46(10):1170-5.

Michel M, Trafton JA, Martins S, Wang D., Tu S, Goldstein MK. (2008) Improving Patient Safety Using ATHENA-Decision Support System Technology: The Opioid Therapy for Chronic Pain Experience. *Advances in Patient Safety: New Directions and Alternative Approaches*, Agency for Healthcare Research and Quality (AHRQ).

Trafton JA, Singler JM. (2008) Interventions to reduce the burdens of low birth weight, birth defects and macrosomia. In *Best Practices in the Behavioral Management of Health from Preconception to Adolescence*. Institute for Brain Potential: Los Altos, CA.

Trafton JA, Harris AHS, Oliva E, Humphreys K. (2007) Consistent Adherence to Guidelines Improves Opioid Dependent Patients' First Year Outcomes. *J Behavioral Health Serv Res* 34(3): 260-271.

Weaver C, **Trafton JA**, Walser R, Kimerling R. (2007) Pilot Test of Seeking Safety Treatment with Male Veterans. *Psychiatric Services* 58(7): 1012-1013.

Trafton JA, Gifford ER. (2008) Behavioral Reactivity and Addiction: The Adaptation of Behavioral Response to Reward Opportunities. *Journal of Neuropsychiatry and Clinical Neurosciences* 20(1): 23-35.

Gordon AJ, **Trafton J**, Saxon AJ, Calabrese VS, Gifford AL, Goodman F, McNicholas L, Liberto J for the Buprenorphine Work Group of the Substance Use Disorders Quality Enhancement Research Initiative. (2007) Implementation of Buprenorphine in the Department of Veteran Affairs: Results of the first three years. *Drug and Alcohol Dependence* 90(2-3): 292-296.

Humphreys K, **Trafton JA**, Oliva E. (2007) Does following clinical practice guidelines improve heroin dependent patients' outcomes in the real world?: Results of the Multisite Opiate Substitution Treatment (MOST) Study. *Journal of Substance Abuse Treatment*

- Trafton JA**, Oliva EM, Tracy SW, Humphreys K. (2007) Different components of opioid substitution treatment predict treatment outcome of patients with and without a parent with substance use problems. *Journal of Studies on Alcohol and Drugs* 68(2): 165-72.
- Tracy S, **Trafton JA**, Eton A, Humphreys K, Weingardt K. (2007) How are substance use disorders addressed in VA psychiatric and primary care settings? Results of a national survey. *Psychiatric Services* 58(2): 266-9.
- Kimerling R, **Trafton JA**, Nguyen B. (2006) Validation of a Brief Screen for Post-Traumatic Stress Disorder with Substance Use Disorder Patients. *Addictive Behaviors*, epub ahead of print.
- Trafton JA**, Minkel J, Humphreys K. (2006) Determining effective methadone doses for individual opioid dependent patients. *PLOS Medicine* 3(3): e80.
- Villafranca SW, McKellar JD, **Trafton JA**, Humphreys K. (2006) Predictors of Retention in Methadone Programs: An Signal-Detection Analysis. *Drug and Alcohol Dependence* 83(3):218-24
- Trafton JA**, Minkel J, Humphreys K. (2006) Opioid Substitution Treatment Reduces Substance Use Equivalently in Patients with and without Posttraumatic Stress Disorder. *Journal of Studies on Alcohol* 67(2): 228-235.
- Ilgen MA*, **Trafton JA***, Humphreys K. (2006) Response to opioid substitution treatment of opiate dependent patients with and without pain. *Drug and Alcohol Dependence* 82(3):187-93.
- Trafton JA**, Humphreys KN, Kivlahan D, Willenbring ML. (2005) Barriers to implementation of an evidence-based practice: the example of methadone maintenance. *Journal of Addictive Diseases* 24(S1): 93-108.
- Tracy S, **Trafton JA**, Humphreys K. (2004) The Department of Veterans Affairs Substance Abuse Treatment System: Results of the 2003 Drug and Alcohol Program Survey. Palo Alto: Program Evaluation and Resource Center.
<http://www.chce.research.med.va.gov/chce/pdfs/2004DAPS.pdf>
- Tracy S, **Trafton J**, Humphreys K. (2004) VA psychiatry programs underestimate the prevalence of patients' substance use disorders and rarely provide specialized substance use disorder treatment. Evaluation report to VA Mental Health Strategic Healthcare Group, VA Central Office.
- Trafton JA**, Basbaum AI. (2004) DAMGO-induced internalization of the mu opioid receptor in the spinal cord of morphine tolerant rats. *Neuroscience* 125: 541-543.
- Trafton JA**, Oliva EM, Horst DA, Minkel J, Humphreys KN. (2004) Treatment needs associated with pain in substance use disorders patients: Implications for concurrent treatment. *Drug and Alcohol Dependence* 73:23-31.
- Trafton JA**, Minkel J, Oliva E, Horst DH. (2004) Long-term efficacy of interventions to reduce substance use behaviors. In: Best Practices in the Behavioral Management of Chronic Disease

Volume 1. (Trafton JA and Gordon W eds.) Institute for Disease Management: Los Altos, CA.

Ayyangar L, **Trafton J**, Barnett P. (2003) A comparison of the National VA Outpatient Database to Electronic Medical Records. HERC Technical Report #8.

Humphreys KN, **Trafton JA**, Wagner TH. (2003) The Cost of Institutional Review Board Procedures in Multi-Center Observational Research. *Annals of Internal Medicine* 139:77.

Abbadie C, Lombard MC, Besson JM, **Trafton JA**, Basbaum AI. (2002) Mu and delta opioid receptor- like immunoreactivity in the cervical spinal cord of the rat after dorsal rhizotomy or neonatal capsaicin: An analysis of pre and postsynaptic receptor distributions. *Brain Research* 930: 150-162.

Oliva E, Horst D, **Trafton J**, Humphreys K. (2002) Pilot study of racial and geographic HIV risk among methadone patients. XIV International AIDS Conference 2002 Proceedings: 279.

Trafton JA, Barnett P, Finney J, Moos R, Willenbring M, Humphreys K. (2001) Effective Treatment for Opioid Dependence. *Practice Matters* Vol 6 No. 2 p. 1-6.

Trafton JA, Abbadie C, Basbaum AI. (2001) Differential contribution of Substance P and Neurokinin A to spinal cord neurokinin-1 receptor signaling. *Journal of Neuroscience* 21(10): 3656-3664.

Riley RC, **Trafton JA**, Basbaum AI. (2001) Presynaptic regulation of spinal cord tachykinin signaling via GABAB but not GABAA receptor activation. *Neuroscience* 103(3): 725-37.

Trafton JA, Abbadie C, Marek K, Basbaum AI. (2000) Post-synaptic mu opioid receptor signaling in the spinal cord: Response to exogenous opioids and noxious stimulation. *Journal of Neuroscience* 20(23): 8578-8584.

Trafton JA, Basbaum AI. (2000) The contribution of spinal cord neurokinin-1 receptor signaling to pain. Proceedings of the Neurobiology Working Group Meeting "Pain: New Targets-New treatments" *The Journal of Pain*, Vol 1 No. 3 suppl 1. Pp 57-65.

Caterina MJ; Leffler A; Malmberg AB; Martin, WF; **Trafton J**; Petersen-Zeitk KR; Koltzenburg M; Basbaum AI; Julius D. (2000) Profound Pain Deficits in Mice Lacking the Capsaicin Receptor. *Science* 288: 306-313.

Trafton JA, Abbadie, C, Marchand S, Mantyh P, Basbaum AI. (1999) Spinal Opioid analgesia: How critical is the regulation of SP release? *Journal of Neuroscience* 19(21): 9642-9653.

Abbadie C, **Trafton J**, Liu H, Mantyh PW, Basbaum AI. (1997) Inflammation increases the distribution of dorsal horn neurons that internalize the neurokinin-1 receptor in response to noxious and non-noxious stimulation. *Journal of Neuroscience* 17(20):8049-60.

Trafton J A, Tombaugh G, Yang S, Sapolsky R (1996) Salutary and deleterious effects of acidity on an indirect measure of metabolic rate and ATP concentrations in CNS cultures. *Brain Research* 731(1-2):122-131.

Brooke S M*, **Trafton J A***, Sapolsky R M (1996) Autofluorescence as a confound in the determination of calcium levels in hippocampal slices using fura-2AM dye. *Brain Research* 706(2):283-288.

Sapolsky R M, **Trafton JA**, Tombaugh G C (1996) Excitotoxic neuron death, acidotic endangerment, and the paradox of acidotic protection. Siesjo, B. K. And T. Wieloch (ed.). *Advances In Neurology*, Vol. 71. Cellular and Molecular Mechanisms Of Ischemic Brain Damage; Erick K. Fernstrom Symposium, Lund, Sweden, June 13-16, 1994. XXV+527P. Lippincott-Raven Publishers: Philadelphia, Pennsylvania, USA 71:237-245.

*authors contributed equally

Books, Editorials, and Commentary

Trafton JA. (in press) "TMS effects on craving: Impressive Therapy or Therapeutic Impressions?" *Addiction*.

Trafton JA, Gifford E. (in press) The Biobehavioral Bases of Distress Tolerance. In Zvolensky MJ, Bernstein A, Vujanovic AA. (Eds.) *Distress Tolerance*. Guilford Press: New York, NY.

Trafton JA, Gordon W. (eds) (2008) Best Practices in the Behavioral Management of Health from Preconception to Adolescence. Institute for Brain Potential: Los Altos, CA.

Trafton JA. (2007) Using Neurobiology to reframe the need for alcohol policy interventions. *Addiction* 102(9): 1351-1352.

Trafton JA, Gordon W. (eds) (2006) Best Practices in the Behavioral Management of Chronic Disease. Volume 1: Neuropsychiatric Disorders. 2nd updated and expanded edition. Institute for Brain Potential: Los Altos, CA.

Trafton JA, Gordon W. (eds) (2006) Best Practices in the Behavioral Management of Chronic Disease. Volume 2: Other Medical Disorders. 2nd updated and expanded edition. Institute for Brain Potential: Los Altos, CA.

Trafton JA, Gordon W. (eds) (2004) Best Practices in the Behavioral Management of Chronic Disease. Volume 1: Neuropsychiatric Disorders. Institute for Brain Potential: Los Altos, CA.

Trafton JA, Gordon W. (eds) (2004) Best Practices in the Behavioral Management of Chronic Disease. Volume 2: Other Medical Disorders. Institute for Brain Potential: Los Altos, CA.

Publications in Preparation or Under Review

Carroll IR, Barelka P, Wang CKM, Wang BM, Gillespie MJ, McCue R, Younger J, **Trafton JA**, Humphreys K, Goodman SB, D'Irbas FM, Whyte RI, Donnington JS, Cannon WB, Mackey SC. Why Do Patients Persistently Consume Opioids Following Surgery: An Inception Cohort Study. (submitted to *Lancet*)

Jacobs-Lentz J, **Trafton JA**. Weight self-stigma as an opportunity for negative reinforcement. (in preparation)

Lewis E, Combs A, **Trafton JA**. Reasons for under-use of prescribed opioid medications by patients in pain.(in preparation)

Cucciare M, Lewis E, Oser M, **Trafton JA**. Somatization Symptom Severity is associated with Prescription Opioid Misuse (in preparation)

Ilgen MA, Perron B, Czyz EK, McCammon RJ, **Trafton JA**. The timing of onset of pain and substance use disorders (submitted to Journal of Studies on Alcohol and Drugs)

Weaver CM, **Trafton JA**, Kimerling R, Timko C, Moos R. Prevalence and nature of criminal offending in a national sample of patients in veterans health administration substance use treatment (submitted to Psychiatric Services)

Lillis J, **Trafton JA**. Elevated BMI and Illicit Drug Use are Associated with Decreased Ability to Inhibit Prepotent Behaviors (Submitted to Psychology of Addictive Behaviors)

Gifford EV, **Trafton JA**, Wanke KL. The Meaning of Multidisciplinary Research. (invited editorial submitted to Addiction).

Trafton JA, Sorrell JT, Holodniy M, Pierson H, Combs A, Link P, Israelski DM. Effectiveness of integrating cognitive behavioral therapy-based chronic pain management program into primary care medicine for patients with HIV/AIDS. (in preparation for Amer J Managed Care)

Gifford E, **Trafton JA**, Sox-Harris A. Behavioral reactivity predicts smoking treatment outcomes: Clinical implications of the neuromodulatory effects of dopamine. (in preparation for Addiction)

Trafton JA, Martins S, Michel M, Lewis E, Johnson N, Combs A, Wang D, Daniels D. Evaluation of the acceptability of a decision support system to encourage safe and effective use of opioid therapy for chronic pain by primary care providers. (submitted to Pain Medicine)

Trafton JA, Martins S, Michel M, Wang D, Clark DJ, Elliot J, Faso B, Tu S, Balt S, Clark M, Sintek C, Rosenberg J, Goldstein M, Daniels D. Designing a computerized decision support system to match consensus guidelines for Opioid Therapy for Chronic pain. (submitted to Implementation Science)

Barnett PG, **Trafton JA**, Su P, Luna Y, Humphreys K. The economic impact of compliance with opioid substitution treatment guidelines. (submitted to Journal of Substance Abuse Treatment)

Trafton JA, Minkel J. Inadequate sleep, not opioid-related hyperalgesia, is associated with spontaneous and chronic pain in substance use disorder patients. (in preparation)

Trafton JA, Marek K, Basbaum AI. Selective Activation of Spinal Delta Opioid Receptors Following Neurokinin-3 Receptor-Mediated Release of an Endogenous Opioid (in preparation)

Research Presentations and Abstracts

Lewis E, **Trafton J**, Combs A. Resisting Opioid Therapy: Strategies patients use with health care providers. Conference paper submitted to the 2009 American Sociological Association meeting in San Francisco, CA.

Lewis E, Michel MC, **Trafton JA**, "Using Network Analysis to Identify Problematic Health Care Use by Patients Experiencing Chronic Pain" American Public Health Association, October 28, 2008, San Diego, CA.

Weaver C, Kimerling R, Goldberg D, Jacobs-Lentz J, **Trafton JA**. Criminal Offending History in Male Veterans with SUD and PTSD. Division 56 at the 2008 APA Annual Convention, August 14-17, 2008, Boston MA.

Trafton JA. (2008) "Improving Delivery of Evidence-Based Opioid Therapy: The ATHENA-Opioid Decision Support System", invited talk for workshop entitled "Promoting Safe and Effective Chronic Opioid Therapy: An Integration of Scientific Evidence and Practice Considerations", moderated by Bob Kerns, Ph.D. at the American Pain Society 27th Annual Scientific Meeting, May 9, 2008, Tampa, FL.

Carroll I, Wang J, Wang C, Gillespie M, Barelka P, Humphreys K, **Trafton J**, Dirbas F, Goodman S, Whyte R, Cannon W, Yang G, Pollard J, Mackey S (2008) Psychological impairment influences pain duration following surgical injury. Poster at the American Pain Society 27th Annual Scientific Meeting, May 9, 2008, Tampa, FL.

Carroll I, Wang J, Wang C, Gillespie M, Barelka P, Humphreys K, **Trafton J**, Dirbas F, Goodman S, Whyte R, Cannon W, Yang G, Pollard J, Mackey S (2008) Risk factors for delayed opioid cessation following surgery. Poster at the American Pain Society 27th Annual Scientific Meeting, May 9, 2008, Tampa, FL.

Lewis ET, Michel MC, **Trafton JA**. (2008) Using Network Analysis to Identify Problematic Health Care Use by Patients Experiencing Chronic Pain. International Sunbelt Social Network Conference, St. Petersburg, FL.

Pierson H, Sorrell J, **Trafton J**, Link P, Holodniy M, Israelski D. (2007) Learning to Accept Chronic Pain through CBT among HIV/AIDS Patients in a Primary Care Setting. In: Vowles K (Chair). Exploring the Influence of Acceptance, Mindfulness, and Values-Based Action on Treatment Outcomes and Overall Functioning: Unique Contributions or Old Wine in a New Bottle? (Symposium at the 41st annual Association for Behavioral and Cognitive Therapies convention, Philadelphia, PA.)

Gifford E, Sorrell J, **Trafton J**. (2007) Affect tolerance, acceptance and behavioral reactivity: The neurobiology of response to immediate reward. In: Bernstein A, Vujanovic AA. (Chairs). Affect Tolerance: Clinical Implications of Emerging Basic Research. (Symposium accepted at the 41st annual Association for Behavioral and Cognitive Therapies convention, Philadelphia, PA.)

Trafton JA, Rosen B. (2007) Pain and Addiction: A Troublesome Co-morbidity. invited workshop at the US Journal Training Inc. 13th annual counseling skills conference, Las Vegas, NV.

- Trafton JA**, Slatkin N, Pohl M. (2007) Pain and Addiction: Addressing the tough cases. Invited workshop at the California Society for Addiction Medicine State of the Art Conference, Burbank, CA.
- Trafton JA**, Morales AM, Cipa-Tatum JE, Gifford ER, Ilgen M. (2007) Higher responsiveness to reward opportunities and lower executive function in substance users. Poster presentation at the 30th annual Research Society on Alcoholism Scientific Meeting.
- Gordon AJ, **Trafton JA**, Saxon AJ, Calabrese VS, Gifford AL, Goodman F, McNicholas L, Joseph Liberto J, for the Buprenorphine Work Group of the Substance Use Disorders Quality Enhancement Research Initiative (SUD QUERI). (2007) Buprenorphine in the VA: Results of the first three years. Poster at the College on Problems of Drug Dependence Annual Meeting.
- Pierson H, Sorrell JT, **Trafton J**, Link P, Holodniy M, Israelski DM. (2007) Learning to Accept Chronic Pain through CBT among HIV/AIDS Patients in a Primary Care Setting. Presentation at the American Pain Society annual meeting.
- Weaver C, Crawford E, DeBenedetti A, Rosen C, McKellar J, Timko C, **Trafton JA**, Kimerling R. (2007) Preventing Chronicity and Relapse in SUD/PTSD: Research Issues. Workshop at the VA HSR&D 2007 National Meeting.
- Trafton J**, Sorrell J, Link P, Israelski D. (2006) Integrated Pain Management for patients with HIV Receiving Care in a Public Setting: Preliminary Results. Poster at XVI International AIDS Conference.
- Kivlahan D, Jones E, **Trafton J**, Hawley G, Cutler F, Ripley B, Schaefer J. (2006) Geographic Information Analyses to Guide Substance Use Disorder Treatment Planning in the Veterans Health Administration. Presentation at the NIDA/AAG "Geography and Drug Addiction" Symposium at the Association of American Geographers annual meeting.
- Trafton J**, Ripley B, Ramsel D, Kivlahan D, Schaefer J. (2006) Geographic Information System Analyses: Determining How Travel-Distance and Travel-Time Impact Substance Use Disorder (SUD) Treatment. Presentation at the NIDA/AAG "Geography and Drug Addiction" Symposium at the Association of American Geographers annual meeting.
- Trafton J**, Ripley B, Ramsel D, Kivlahan D, Schaefer J. (2006) Geographic Information System Analyses: Evaluating Whether Increased Access to Specialty Care Impacts Substance Use Disorder (SUD) Treatment Retention. Poster at the NIDA/AAG "Geography and Drug Addiction" Symposium at the Association of American Geographers annual meeting.
- Humphreys K, **Trafton JA**, Oliva E (2005) Does following practice guidelines matter in the real world of heroin dependence treatment: Multisite Opioid Substitution Treatment Study. Plenary Lecture at the 23rd Annual HSR&D Service National Meeting.
- Trafton JA**, Minkel J, Humphreys K. (2005) Posttraumatic stress disorder does not impair substance use disorder outcomes in opioid substitution treatment. 23rd Annual HSR&D Service National Meeting.
- Kimerling R, **Trafton JA**. (2005) Validation of a Brief Screen for PTSD in Substance Use Disorder Treatment Settings. 23rd Annual HSR&D Service National Meeting.

- Trafton JA.** (2004) Why and How Principles of Addiction Treatment can be used to effectively treat Chronic Pain: Rethinking Chronic Pain based on Neuroanatomy. Pain and Addiction – The Interface of Paradigms and Practice. invited lecture for: Addiction Medicine Review Course 2004, Foundations of Addiction Medicine: Evidence and Art. California Society of Addiction Medicine and American Society of Addiction Medicine.
- Trafton JA,** Oliva EM, Horst DA, Minkel JD, Humphreys KN. (2004) Clinical Practices and Outcomes in Opioid Substitution Programs: 6-month Outcomes. Meeting the Changing Needs of Veterans: The Quality/Cost Equation, 22nd Annual HSR&D Service National Meeting.
- Trafton JA,** Oliva EM, Horst DA, Minkel JD, Humphreys KN. (2003) Chronic pain and medical, psychiatric, and drug abuse problems in opioid dependent veterans. Diverse Veteran Populations: Challenges and Opportunities, 21st Annual HSR&D Service National Meeting.
- Trafton J,** Gurkoff G, Basbaum AI. (2001) Consequences of mu opioid receptor (MOR) internalization for morphine-induced analgesia and tolerance. Society for Neuroscience Abstracts 27.
- Humphreys K, **Trafton J,** and Wagner T. (2001) The costs of decentralized human subjects review boards: A case study from a multi-site VA research project. VA Health Services Research: Improving Access and Outcomes, 19th annual meeting.
- Trafton J,** Marek K, and Basbaum AI. (1999) How good a quantitative measure of receptor-mediated signaling is internalization of G-protein coupled receptors? Society for Neuroscience Abstracts 25(1-2): 1706.
- Trafton J,** Abbadie C, and Basbaum AI. (1998) Differential contribution of SP and NKA to spinal cord nociceptive processing. Society for Neuroscience Abstracts 24(1): 389.
- Trafton J,** Abbadie C, Liu H, Basbaum AI. (1997) Internalization of the mu opioid receptor (MOR) in spinal cord neurons of the rat in vivo. Society For Neuroscience Abstracts 23(1-2): 446.
- Abbadie C, **Trafton J,** Marchand S, Wang H, Mantyh P; Basbaum AI. (1997) Pharmacological regulation of noxious stimulus-evoked internalization of the neurokinin-1 receptor in the dorsal horn of the rat spinal cord. Society for Neuroscience Abstracts 23(1-2) : 446.
- Abbadie C, **Trafton J A,** Mantyh P W, Basbaum A I (1996) Morphine does not reduce the enhancement of noxious stimulus-evoked internalization of the substance P receptor that occurs in spinal cord of rats with persistent hindpaw inflammation. Society For Neuroscience Abstracts 22(1-3):867.
- Trafton J A,** Ajilore O A, Sapolsky, R M (1995) Relative contributions of glycolysis and oxidative phosphorylation to metabolism of primary hippocampal cultures, as assessed by microphysiometry. Society For Neuroscience Abstracts 21(1-3):1668.

Brooke S M, **Trafton J A**, Sapolsky R M (1995) Autofluorescence as a confound in the determination of calcium levels in hippocampal slices using Fura-2AM dye. Society For Neuroscience Abstracts 21(1-3):577.

Trafton J A, Sapolsky R M (1994) Protective effects of acidosis on metabolism and ATP levels in cultured cortical neurons. Society For Neuroscience Abstracts 20(1-2):187.

Pending Presentations