CURRICULUM VITAE

Charles Shuman MD

<u>Present Positions:</u> Confluence Psychiatry PLLC 2016-Present

Owner/Psychiatrist Private Practice

Addiction and general psychiatry, expert witness, independent

medical evaluations

1127 Auraria Parkway Suite 7

Denver, CO 80204 303-870-8331

cshuman@confluencemd.com

Medical Director/Psychiatrist

Northstar Transitions 2016-Present

Young Adult Residential and Outpatient Substance Use Disorder Treatment Program

Boulder, Colorado

AspenRidge 2016-Present

1992 - 1995

Dual Diagnosis Substance Use Disorder Treatment Program

Lakewood, Colorado

BA – Biology Philadelphia, Pennsylvania

Education:

| Addiction Psychiatry Fellowship, Aurora, Colorado University of Colorado Health Sciences Center | 2008 – 2009 |
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| Psychiatry Residency, Gainesville, Florida University of Florida | 2001 – 2004 |
| Internship, Gainesville, Florida University of Florida | 2000 – 2001 |
| M.D. Philadelphia, Pennsylvania Temple University | 1995 – 2000 |

Temple University

Previous Professional Positions:

| Medical Director/Psychiatrist Crossroads Treatment Center of Denver Opioid Use Disorder Treatment Program Denver, Colorado | 2016 – 2019 |
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| Attending Psychiatrist Denver Health Medical Center | 2009-2015 |
| Part Time Private Practice Western Sky Psychiatry, Denver, Colorado | 2009 |
| Medical Staff Physician Ft. Logan Mental Health Institute, Denver, Colorado | 2007 - 2008 |
| Attending Psychiatrist Eastern Carolina Brody School of Medicine, Greenville, North Carolina | 2005 - 2007 |
| Private Practice Psychiatry Greenville Psychiatric Associates, Greenville, North Carolina | 2004 - 2005 |
| Administrative Appointments and Community Leadership: | |
| Colorado Health Institute Substance Misuse Workgroup Participant | 2019-Present |
| Colorado Society of Addition Medicine President | 2019-Present |
| Colorado Supreme Court Office of Attorney Regulation Council, Council Member | 2016- Present |
| Colorado Psychiatric Society, Legislative Committee Member | 2016- 2018 |
| Colorado Psychiatric Society Senior Trustee | 2017-2018 |
| Colorado Society of Addition Medicine Secretary | 2017-2018 |
| Medical Director, Addiction Recovery Center and Methadone Clinic | 2014-2015 |

Denver Health Medical Center

| Pain Management Workgroup – Denver Health Medical Center Behavioral Health Representative | 2014-2015 |
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| Managed Care High Utilizers Workgroup – Denver Health Medical Center Behavioral Health Representative | 2014 |
| Patient Safety Net – Physician Manager University HealthSystem Consortium Denver Health Medical Center | 2011-2015 |
| Substance Abuse and Mental Health Services Administration's Center for Substance Abuse Treatment (CSAT) Mentor – Physicians Clinical Support System – Buprenorphine | 2011-2015 |
| Medical Director, Substance Use Disorder Services Denver Health Medical Center | 2009-2014 |
| Advocates for Recovery – Board Member Denver, Colorado | 2012-2013 |
| Denver Epidemiology Workgroup participant The Denver Office of Drug Strategy | 2011-2012 |
| Community Health Assessment report 2011 Environmental Health City and County of Denver Participated in drafting substance abuse section of report | 2011 |
| Signal Behavioral Health Network - Tobacco Use Recovery Now Colorado Department of Public Health and the Environment Committee member | 2009-2010 |
| Physician supervisor, Electroconvulsive Therapy Services Colorado Mental Health Institute at Fort Logan | 2007 - 2008 |
| Member, Pharmacy and Therapeutics Committee Colorado Mental Health institute at Fort Logan | 2007 - 2008 |
| Physician supervisor, Electroconvulsive Therapy Services Eastern Carolina University, Pitt County Memorial Hospital | 2006 - 2007 |
| Member, Personnel Committee Eastern Carolina University, Department of Psychiatry | 2006 – 2007 |

Faculty Appointments:

| Assistant Professor University of Colorado, Department of Psychiatry | 2009 - 2015 |
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| Senior Instructor University of Colorado, Department of Psychiatry | 2007 - 2008 |
| Assistant Professor Eastern Carolina University, Greenville, North Carolina | 2005 - 2007 |
| Honors and Awards: | |
| Signal Behavioral Health Network Quality Improvement of the Year Award Denver Health, Substance Use Disorders Services | 2010 |
| Psychiatry Resident in Training Exam Award University of Colorado | 2009 |
| Outstanding Instructor Medical Neuroscience Award University of Florida | 2004 |
| John G. Adams Memorial Academic Achievement Award University of Florida | 2003 & 2004 |
| Phi Beta Kappa Temple University | 1995 |
| Temple University Presidential Scholar Temple University | 1995 |
| B.A. Biology Summa Cum Laude Temple University | 1995 |
| Golden Key National Honors Society Temple University | 1994 |
| Licensure and Specialty Boards: | |

Licensure and Specialty Boards:

Board Certified by American Board of Psychiatry and Neurology

| 007 - Present |
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Addiction Psychiatry

2010 - Present

Colorado Medical License Current

Florida Medical License Retired

North Carolina Medical license Retired

DEA controlled substances provider registration Current

Buprenorphine provider DEA registration number Current

Hospital Privileges Porter Adventist Hospital Active

Professional Societies:

American Society of Addiction Medicine Member

Colorado Society of Addiction Medicine President Elect

American Psychiatric Association Member

Colorado Psychiatric Society Member

Teaching leadership and administration:

Medical Students

Course Director - PSYM 6632 fall and spring semesters, addiction psychiatry Denver CARES elective, freshman and sophomore medical students, Denver CARES, University of Colorado, 2009 – 2015

Residents

Course Director Electroconvulsive Therapy clerkship 3rd and 4th year psychiatry residents Eastern Carolina University, 2006-2007 Developed didactics, clinical rotation, and final exam

Fellows

Interim Addiction Psychiatry Fellowship training director, University of Colorado, Denver Health training site, 2014

Scientific presentations and classroom instructional activities:

Medical Students

PSYM 6632 Elective Fall and Spring semesters - Shuman, C "Introduction to Denver CARES and Detoxification ", Addiction Psychiatry Elective, Freshman and Sophomore Medical Students, Denver CARES, University of Colorado, Lecture given biannually in Spring and Fall Semesters 2009 – 2015

Shuman, C "Dementia" junior medical student lecture, psychopharmacology, Eastern Carolina University, 2006 Quarterly lecture

Shuman, C "Hypnotics" junior medical student lecture, psychopharmacology, Eastern Carolina University, 2006 Quarterly lecture

Shuman, C "Antipsychotics" junior medical student lecture, psychopharmacology, Eastern Carolina University, 2006 Quarterly lecture

M2 basic psychiatry course - Shuman, C "Introduction to the DSM IV' Sophomore Medical Student Lecture, Eastern Carolina University, Brody School of Medicine, 2005 – 2006 Annual lecture

Assistant Instructor, Neuroanatomy laboratory, Freshman Medical Students, University of Florida, School of Medicine 2004, 3-month rotation

Residents

Shuman, C "Antidepressants" Advanced Psychopharmacotherapy Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Mood Stabilizers" Advanced Psychopharmacotherapy Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Substance Abuse" Adult Psychopathology Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Cognitive Disorders" Adult Psychopathology Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Cognitive Enhancing Agents" Advanced Psychopharmacotherapy Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, Shuman, C

"Stimulants" Advanced Psychopharmacotherapy Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Somatoform Disorders" Adult Psychopathology Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Sleep Disorders" Adult Psychopathology Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2006

Shuman, C "Electroconvulsive therapy" Three Part Seminar, Eastern Carolina University, Department of Psychiatry, PGY III-IV Residents, 2005 -2006, Annual lecture

Fellows

Shuman, C "Buprenorphine and opioid Antagonist therapies for Opioid Dependence" University of Colorado, Addiction Psychiatry Fellowship Seminar, Denver Health, Annual lecture 2010-2015

Shuman, C "HIV and Medication Assisted Therapy for Substance dependence" University of Colorado, Addiction Psychiatry Fellowship Seminar, Denver Health, University of Colorado, Annual lecture 2010-2015

Shuman, C "Co-Occurring Disorders" University of Colorado, Addiction Psychiatry Fellowship Seminar, Denver Health, University of Colorado, Annual lecture 2009-2015

Shuman, C "Prescription Drug Abuse" University of Colorado, Addiction Psychiatry Fellowship Seminar, Denver Health, University of Colorado, Annual Lecture 2009-2013

Shuman, C" Substance Use Disorders and Consult Liaison Psychiatry" University of Colorado, Consult Liaison Psychiatry Fellowship Seminar, Denver Health, April. 2014

General Professional Audience

Testimony Denver City Council regarding HB 14-1364 - Concerning the Addition of Post-Traumatic Stress Disorder to the List of Debilitating Medical Conditions for the Purposes of Medical Marijuana Use, April 2014

Lecturer and small group moderator, CSAT buprenorphine "Half and Half course" Denver Health and Hospital Authority March 2011, September 2012, 2013, 2014 and March 2015 for physicians to be licensed by the DEA to prescribe buprenorphine for opioid dependence,

Denver Drug Epidemiology Work Group "Medication Assisted Therapy for Opioid Prescription Dependence" Oct 4th 2011

Thurstone, C, Shuman C "Medical Marijuana" University of Colorado Health Science Center Department of Psychiatry Grand Rounds Presentation March 30th 2011

Shuman, C "Prescription Drug Abuse" Psychotherapy Associates 35th Annual Advanced International Winter Symposium, Colorado Springs, Colorado, Jan. 30th 2009

Shuman, C "Substance Dependence and Insomnia" Continuing Education Presentation CeDAR - Center for Dependency, Addiction and Rehabilitation at University of Colorado Hospital Oct. 17th 2008

Shuman, C "Dual Diagnosis – Psychiatric Disorders and Substance Dependence" Continuing Education Presentation, CeDAR - Center for Dependency, Addiction and Rehabilitation at University of Colorado Hospital Oct. 3rd 2008

Shuman, C "Motivational Enhancement Therapy for Substance Dependence" Continuing Education Presentation CeDAR - Center for Dependency, Addiction and Rehabilitation at University of Colorado Hospital Sept. 5th 2008

Shuman C. "Psychiatry and the Medical Management of the Seriously Mentally III (SMI)" Eastern Carolina University Department of Psychiatry Grand Rounds Presentation Feb 12th 2007

Shuman, C "Substance Abuse Related Emergencies" North Carolina Area Health Education Series CME presentation, Greenville North Carolina, Pitt County Memorial Hospital, December 2005

Case Conferences and Journal Clubs:

<u>Residents</u>

Journal Club Moderator, Eastern Carolina University, Department of Psychiatry, PGY I-IV Residents, Monthly 2006

Case Conference Moderator, Eastern Carolina University, Department of Psychiatry, PGY I-IV Residents, Monthly 2005 – 2006 Pitt County Memorial Hospital

<u>Fellows</u>

Co-facilitator Weekly Case Conference and journal club series, Addiction Psychiatry Fellows, Denver Health, University of Colorado, 2009 – 2015

Clinical teaching activities

Medical Students

Attending, Psychiatry Clerkship - Inpatient Psychiatry, junior medical Students, Eastern Carolina University, 2005 – 2007

Residents

Attending - PGY III & IV psychiatry residents, Addiction Psychiatry Elective, Denver Health, University of Colorado, 2009 –2014, Site Denver Health Outpatient Behavioral Health Services

Attending - HIV Addiction Psychiatry, PGY IV Elective rotation, Denver Health, University of Colorado, 2009 – 2010, Site: Denver Health Infectious Disease clinic

Electroconvulsive therapy clinical rotation, PGY III-IV psychiatry residents, Eastern Carolina University, 2006-2007 Site: Pitt County Memorial Hospital

Attending - Inpatient Psychiatry, PGY I-II Psychiatry Core Rotation, Eastern Carolina University, 2005 – 2007, Site: Pitt County Memorial Hospital

Fellows

Attending – Addiction Psychiatry Fellows and Addiction Medicine fellows, Denver Health, University of Colorado, 2009 – 2015, Site Denver Health Outpatient Behavioral Health Services

Attending - Consult Liaison Psychiatry Fellow, Denver Health, University of Colorado, 2014, Site Denver Health Outpatient Behavioral Health Services

Attending – HIV Addiction Psychiatry, Addiction Psychiatry Fellows, Denver Health, University of Colorado, 2009 -2010 Denver Health Infectious disease clinic

Addiction Psychiatry Fellow University of Colorado, Center for Addiction Recovery and Rehabilitation (CeDAR) 2008 taught medical students on addiction psychiatry rotation

Publications:

Papers published in peer-reviewed journals

Cigarette Smoking in Methadone Maintained Patients: An Up-to-Date Review. Zirakzadeh A, Shuman C, Stauter E, Hays JT, Ebbert JO.Curr 2013 Mar 14. Drug Abuse Rev.

"Perceptions and Use of Medical Marijuana in an Urban Substance Treatment Program" C. Shuman, C. Thurstone, L. Cobb, March 30, 2012. The Journal of Global Drug Policy and Practice

Intravenous Vitamin K1 prior to orthotopic heart transplantation: effect in vivo and in vitro. Acta Anesthesiologica Scandinavica. 411(1 Pt 1):78-83, 1997 Jan. Barnette RE. Wendling WW. Schweiger JW. Brister NW. Schartel SA. Chen D. Shuman CA. McClurken JB. Jeevanandaam V.

Porcine Gastroepiploic artery as an in vitro experimental model to study vasodilator in microsurgery. Annals of Plastic Surgery. 36(5):502-7, 1996 May. Kim DC. Chen D. Perrotta VJ. Shuman CA. Wendling WW. Harakal C. Mitra A.

Book chapters

Bringing the Family into Focus: Collaborative Inpatient Psychiatric Care. Book Chapter, Jennifer Hodgson, PhD, LMFT, Charles Shuman, MD, et all. Pages 351-363: Book Editors: Rodger Kessler and Dale Strafford. Collaborative Medicine Case Studies: Evidence in Practice, Springer. 2008

Scientific abstracts published or presented at scientific meetings

Ryan Borne MD, Charles Shuman MD, Joseph Schuller MD, Carol Traut MD, Kelly Clark MD, Mori J. Krantz MD. A practical approach to implementing a cardiac intervention in Opioid Treatment Programs. Global Addiction June, 2014, Rome, Italy.

C. Shuman, American Society of Addiction Medicine, Annual Meeting, Atlanta Georgia 2012, Oral paper presentation Perceptions and Use of Medical Marijuana in an Urban Substance Treatment Program

Poster Presentation

C. Shuman, A. Loebach 25th Annual Rocky Mountain Inter-Professional Research & Evidence-Based Practice Symposium Celebrating 25 years of Research & Evidence-Based Practice March 6-7, 2014, Hyatt Regency Denver Tech Center "Evidence Based Treatment interventions for Methamphetamine Use Disorders: An Up to Date Review"

C. Shuman, C. Thurstone, L. Cobb, University of Colorado Department of Psychiatry Junior Faculty Poster Session March 14th, 2012 "Perceptions and Use of Medical Marijuana in an Urban Substance Treatment Program"

E. Stauter, C. Shuman, C. Traut, A. Zirakzadeh, B. Bucher-Bartelson, University of Colorado Department of Psychiatry Junior Faculty Poster Session March 14th, 2012 "Tobacco Use Highly Prevalent in Prescription Opioid Abusers"

Other Publications

Health of Denver 2011: A report on the health status of the residents of Denver Colorado, Environmental Health City and County of Denver Substance Abuse Section Feb 12, 2012, Workgroup participant

Invited peer reviewer

Journal of Alcohol and Drug Dependence

CV Updated 3/19