PERSONAL INFORMATION:

Name: Alias:	Cheryl McCullumsmith Cheryl McCullum	
RANK/TITLE: Department: Institution	Professor and Chair Psychiatry University of Toledo College of Medicine and Life Sciences	Chief Psychiatry University of Toledo Medical Center

My academic and life passion is to implement a novel comprehensive system of care for individuals with mental illness. This system is steeped in the full potential present when mental illness is treated <u>as an illness</u> at every conceptual and patient care level. Theoretically, mental illness and its significant morbidities and mortalities, namely overdose and suicide, must be researched and treated as completely and as seriously as other leading causes of death such as heart attacks and cancer. Practically, systems of care ranging from acute emergency care to chronic disease management must be implemented to assure patient health. I have the full complement of experience and outlook to effect this change. I have experience in development of novel systems of care on a health system and community level. I have basic science expertise in receptor neurophysiology and clinical research expertise ranging from drug trials to community engagement qualitative projects. I have experience in initiation of large university wide programs in coordination with the state departments of Medicaid and with other leading universities. Finally, I have significant practical experience in financial management of resources, both at the departmental and institutional level, including significant negotiations with managed care and Medicaid organizations. My strength is my ability to integrate the academic, the clinical, the financial, and the leadership skills that I have to motivate and inspire others and to grow programs and careers. I see opportunity and ways forward and I have the drive, the passion and the vision to make it happen.

HOSPITAL AND UNIVERSITY ADMINISTRATIVE APPOINTMENTS:

Year	Title	Institution
4/2018-present	<u>Chair</u> Chief of Psychiatry	Department of Psychiatry University of Toledo
	 Key Accomplishments: Top Clinical Department for FY19 as and associate deans CMO of \$8 Million annual budget Me Recruited psychiatrists, psychologist Innovative program development 25% increase in clinical volume, clini 	s and clinical researchers
6/2019-6/2020	Interim Chair	Department of Pathology University of Toledo
	 Key Accomplishments: Developed an integration plan with the academic affiliation with Promedica Restructured financial structure 	
6/2015 – 4/2018	Associate Vice Chair for Hospital Services and Integration	Department of Psychiatry University of Cincinnati

Key Accomplishments:

- Initiated, planned and oversaw reduction in inpatient psychiatric beds from 72 to 40 over the course of 9 months and provision of alternative models of care including a transitional psychiatric clinic
- Planned and oversaw move of our inpatient facility and psychiatric emergency services to a new location
- Developed models for novel systems of care for patient flow through system
- Developed collaborative care programs in internal medicine and specialty clinics
- Authored clinical components of departmental strategic plan.
- Assisted in budget planning for departmental strategic plan and move
- Recruited faculty to collaborative care, consultation and inpatient positions
- Managed performance improvement processes for faculty
- Recruited top residents into faculty positions in consultation services
- Managed a Psychiatric emergency Services of 750 patients visits monthly
- Co-wrote and developed collaborative care grant for cystic fibrosis program
- Developed treatment resistant depression consultation program
- Mentored faculty in development of specialized programs in women's mental health, bariatric surgery, addictions inpatient consultation and collaborative care.

2014 – 2018	Director,	Consultation	Service
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Department of Psychiatry University of Cincinnati

Key Accomplishments:

- Oversaw, expanded and improved consultation services at 3 hospitals within the University of Cincinnati Health system : a large academic hospital (UCMC), a community hospital (West Chester Hospital) and a long term acute care center/skilled nursing facility (Drake Center)
- Led an interdisciplinary team and implemented a system wide medical hold process for medical inpatients
- Capacity evaluation process developed hospital system wide
- Integrated consultation services into medical settings, including primary care and specialty settings.
- Developed and implemented collaborative care with a private community hospital partner, Margaret Mary Health, Batesville, IN
- Developed a comprehensive approach with combination of evaluation and collaborative care for all transplant services at University of Cincinnati : Bone marrow transplant, Liver, Kidney, Heart, LVAD

2013 - 2015	Associate Chair for Clinical Integration	Department of Psychiatry
	Associate Director Psychiatric	University of Cincinnati
	Emergency Services	

Key Accomplishments:

- Expanded and developed telepsychiatry services between the medical emergency room and psychiatric emergency services
- Coordinated psychiatric services among hospital partners in University of Cincinnati Health system
- 2011 2013 <u>Director</u> Division of Hospital Psychiatry

Department of Psychiatry University of Alabama at Birmingham

Key Accomplishments:

- Managed inpatient services, psychiatric emergency services and inpatient psychiatric consultation and collaborative care services
- Integrated patient flow from psychiatric emergency services to outpatient and inpatient placements, including initiation of a patient flow clinical position
- Planned and implemented a step down unit for patients awaiting state psychiatric hospitalization (2-4 week wait times)

2008 - 2013 <u>Director</u> Department of Psychiatry Division of Consult-Liaison Psychiatry University of Alabama at Birmingham

Key Accomplishments:

- Developed a fully physician staffed psychiatric emergency service with educational rotations for residents and medical students
- Managed a crisis situation where patients were waiting for days to a week in the emergency room for psychiatric inpatient placement with very poor outcomes
- Worked with the department of emergency medicine, dean and CEO of health system to develop a viable plan for patient flow
- Developed a transitional psychiatric clinic to provide care for patients from the emergency setting as an alternative to inpatient hospitalization, working with a community FQHC system.
- Expanded inpatient psychiatric consultation services, with focus on resident and medical student education
- Developed an embedded academic HIV psychiatric clinic
- Developed a program for screening and referral for patients with substance use disorders in the emergency setting
- Developed a service for case management for high utilizers of psychiatric emergency and inpatient services
- Developed a consultation embedded model for rapid psychiatric assessment of patients in the family medicine clinic
- Recruited residents into faculty positions in psychiatric emergency and consultation services
- Appointed Disaster Psychiatry head for Alabama after management of a tornado disaster in Alabama in 2011

EDUCATION:

Year	Degree	Institution
1985 – 1989	B.S., Physics	Massachusetts Institute of Technology
1989 – 1999	Fellow	Medical Scientist Training Program University of Michigan
1999	Ph.D., Neuroscience	University of Michigan
1999	M.D., Honors in Research	University of Michigan
2002-2003	Psychotherapy Training Certificate	Michigan Psychoanalytic Institute

LICENSURE:

Michigan		1999-2008	
Alabama	27447	2007-2015	
DEA	BM9904675	2007 - present	Expiration 1/31/21
Ohio	35. 122145	2013 – present	Expiration 07/01/2020

BOARD CERTIFICATION:

2000	Diplomate, National Board of Medical Examiners
2008 2018	Diplomate, Psychiatry, American Board of Psychiatry and Neurology Recertified
2009 2018	Diplomate, Psychosomatic Medicine, American Board of Psychiatry and Neurology Recertified

POST-DOCTORAL APPOINTMENTS:

1999 – 2007	Psychiatry Resident, Research Track	University of Michigan Hospital
7/2000 – 6/2002 7/2004 – 6/2005	Leave for triplet high risk pregnancy and Leave for high risk pregnancy and family	2

ACADEMIC APPOINTMENTS: (In reverse chronological order)

Year	Rank/Title	Institution
2007 – 2013	Assistant Professor	Psychiatry and Behavioral Neurobiology University of Alabama at Birmingham
2009 - 2013	Scientist	Comprehensive Neuroscience Center University of Alabama at Birmingham
08/21/2013 -18	Associate Professor	Department of Psychiatry University of Cincinnati
4/2018-present	Professor with Tenure	University of Toledo College of Medicine and Life Sciences

AWARDS/HONORS:

1985	National Merit Scholar
1988	Sigma Pi Sigma, Honor Society for Physicists
1994 –1995	Pre-doctoral Fellowship, Rackham School of Graduate Studies University of Michigan
1996	Chapter Award and Invited Talk for Outstanding Graduate Research Michigan Society for Neurosciences

- 1999 Nominee designated from University of Michigan for the national Leah Dickstein Award from Association of Women Psychiatrists 1999 Graduation with Honors in Research University of Michigan Medical School Resident Outstanding Clinical Service Award in Outpatient Psychiatry 2006 Resident Outstanding Clinical Service Award in Inpatient Psychiatry Resident Outstanding Clinical Service Award in Consult-Liaison Psychiatry University of Michigan Department of Psychiatry NIMH Outstanding Resident Selection: National award annually for residents selected 2006 to go to NIMH for a special recognition and meeting. 2007 Future Leaders in Psychiatry: National recognition for a meeting for junior faculty Emory University AAMC Early Career Women Faculty Professional Development: national recognition 2008 in selection for a career development meeting. 2008 2nd Annual F. Cleveland Kinney Award for Exemplary Administrative, Educational, and Clinical Service to the Department of Psychiatry, University of Alabama at Birmingham Chairman's Award to a Faculty Member, one award given annually 2010 UAB Health System, Innovations Awards 3rd place for Transitional Psychiatry Clinic NAMI Alabama Mental Health Professional of the Year Award 2011 2012 Induction American College of Psychiatrists 2014 Fellow, Academy of Psychosomatic Medicine Golden Apple Award for teaching to 4th year residents 2015 University of Cincinnati Department of Psychiatry and Behavioral Neuroscience 2017 Indiana University Women in Psychiatry Lectureship **Top Clinical Department UT COMLS** 2019 MEMBERSHIPS:
- 1999 Present American Psychiatry Association
 2009 Present Academy of Psychosomatic Medicine
 2011 Present Association of Emergency Psychiatry
- 2012 Present The American College of Psychiatrists

COUNCILS AND COMMITTEES:

Departmental Level

University of Michigan

1993-1995 Operating Committee, Medical Scientist Training Program

University of Alabama at Birmingham Department of Psychiatry and Behavioral Neurobiology

2007-2012	Grand Rounds Committee	2007-2011: Chairman
2008-2013	Clinical Leadership Committee	
2009-2013	Clinical Operations Committee	
2009-2010	Psychiatry Residents Training	Committee (PRTC)
2011-2013	Quality Improvement Committe	e

University of Cincinnati Department of Psychiatry and Behavioral Neuroscience

2013 – 2018 P	eer Review Committee
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- 2013 2018 Psychiatric Emergency Services Operations Committee
- 2013 2018 Inpatient Psychiatric Services Operations Committee
- 2013 2018 Quality Improvement Committee
- 2013 2018 Clinical Competency Committee
- 2015 2018 Vice-Chair Leadership Meeting
- 2016 2018 Patient Flow Meeting
- 2016 2018 Quality Improvement Council

University of Toledo College of Medicine and Life Sciences Department of Psychiatry

- 2018 Present Leadership Committee
- 2018 Present Research Committee
- 2018 Present Resident Education Committee

College of Medicine Level

University of Alabama at Birmingham

- 2007-2012 UAB Health Information Management Committee
- 2008-2011 Outpatient Clinical Practices Committee
- 2008-2013 Interdisciplinary Operations Committee: joint meeting with UAB Hospital, Emergency Medicine and Psychiatry
- 2010 2012 Psychiatric Emergency Services Task Force
- 2011 2013 Disaster Preparedness Committee
- 2011 2012 Suicide Policy Task Force
- 2011 2013 Dean's Clinical Advisory Group
- 2011 2013 Hospital Ethics Committee

2012 - 2013 Teaching Health Center Task Force,

University of Cincinnati

2013 - 2018	Joint Operating Committee Lindner Center of Hope and UC
2014- 2018	Drug Policy Development Committee
2014- 2018	Medical Hold Policy Committee
2014- 2018	Heroin Task Force
2014 - 2018	Psychiatric Services Planning Committee
2015 - 2018	Academic Appeal Board (AAB), UC Medical School
2016- 2018	Psychiatry Transition Planning Committee
2016- 2018	Chair, Mood Disorders Center of Excellence University of Cincinnati Neuroscience Institute
2016 – 2018	Member, Acute Care Research Council
2017 – 2018	Member, UCP Clinical Practice and Standards Committee

University of Toledo

2018 – Present	Medical Executive Committee, University of Toledo Medical Center
2018 – Present 2019 – Present	Board of Directors, University of Toledo Physicians Secretary, University of Toledo Physicians Executive Group Chair, Managed Care Committee Member, Finance Committee
2018 – Present	Medical Executive Board, College of Medicine and Life Sciences
2018 – Present	Chief Medical Officer, CICIP Medicaid Upper Payment Limit
2019- Present	Chair, Medical Student Appeal Advisory Committee to the Dean
2019 - present	LCME site visit study group

University Level

University of Alabama at Birmingham

- 2011 Healthcare Leadership Academy
- 2011 Faculty Recruitment and Retaining Task Force
- 2011 2013 Leadership Studer Group Training

University of Cincinnati

2017-2018 Leadership Training, Quality Improvement

University of Toledo

- 2018 Present Opioid Task Force, College of Medicine representative
- 2019- Present HLC Committee, Criterion 1 : Mission

Regional Level

	2010- 2013	Alabama Chapter American Found 2011-2013: President	dation for Suicide Prevention Board
	2012	Bryce State Psychiatric Hospital Clos Chair, Emergency Psychiatric Service	
	2012- 2013	Chair, Disaster Psychiatry for Alabam	na American Psychiatric Association
	2016 –2018	Executive Group, Health Collaborativ Cincinnati OH	e Accountable Health Communities
	2016 - 2018	Behavioral Health Work Group Ohi	io Hospital Association
	2019-present	Lead for Behavioral Health Task Grou CICIP , State of Ohio Medicaid Progr	•
<u>N</u> ;	2019-2020 ational Level	Psychiatry Emergency Services Psyc	hiatrist Advisory Group
	2010 - present	Academy of Psychosomatic Medicine	e Education Committee
	2011-2013	Academy of Psychosomatic Medicine	e Healthcare Reform Committee
	2013 - present	Suicidal Ideation and Behavior (SIBA A working group to develop a novel se	T) consortium. uicide assessment tool, headed by Janssen
	2013 - 2015	Academy of Psychosomatic Medicine	Business Committee
	2014 - 2015	Academy of Psychosomatic Medicine	e Research Committee—alternate
	2014 - present	Working Group on Treatment Resista National Network of Depression Cent	
	2015 - present	Working Group on Biomarkers	National Network of Depression Centers
	2015 - present	Program Committee	National Network of Depression Centers
	November 2015		: Development of Psychiatric Emergency Medicine meeting, New Orleans, LA
	2016 – present	Board of Directors National Network	of Depression Centers
	2016- present	Academy of Psychosomatic Medicine	e Research Committee
	2016- present	Academy of Psychosomatic Medicine Co-chair, Emergency Psychiatry Spe	
	2018- present	Co-chair, Treatment Resistant Depre National Network of Depression Cent	

Novel Program Development

Department of Psychiatry, University of Alabama at Birmingham

2008	Departmental Probate process with courts
	Suicide assessment module for psychiatry residents
	Resident on call manual
	Substance detox manual for residents.
	Consultation flow process and evaluation on medical units
2009	Collaborative development of a program for delivery of emergent, urgent and routine psychiatric services for UAB students with Andy Marsch, student services
	Transitional Psychiatry Clinic designed and piloted
	Interdisciplinary Task Force, which examined and redesigned the flow process for psychiatric patients through and within the Emergency Department.
	Created and moderated Departmental Morbidity and Mortality Case Conferences
	Oversaw Implementation of Electronic Medical Record (EMR) for Psychiatry
2010	Development of community resource lists and handouts for substance use disorders, psychiatric treatment and therapy.
	Developed and assist to maintain a program of Intensive Case Management for patients not responding to treatment received in acute Psychiatric Services
2011	Collaboratively developed Faculty and Resident Sign out and Handoff Process with chief residents and Laura Barefield-Montgomery, MD, residency director
	Maintenance of Certification Review Process for Faculty
	Screening, Brief Assessment and Referral to Treatment (SBIRT) program development— for substance use disorders in the ER and trauma services
2012	Author of revised EMTALA policy for Department of Psychiatry at UAB
	Assisted in revisions of Electro Convulsive Therapy (ECT) policies for the Department of Psychiatry at UAB
	Development and implementation of routine psychiatric and substance use screening tools in Psychiatric Emergency Services (PES) and inpatient psychiatry
	Development of Opioid Policy
	Development of taking residents to tour community shelters and treatment facilities
	Development of Psychosomatic Fellowship
	Development of suicide/behavioral emergency pager for The Kirklin Clinic (TKC)

Department of Psychiatry, University of Cincinnati

- 2014 -16 Medical Hold and capacity evaluation process for UCMC
- 2015 -18 Orientation process for faculty including faculty mentoring program

	Ketamine clinic development
	Treatment Resistant Depression referral process/ clinic development
	Collaborative Care Clinic Development:
	Hoxworth resident internal medicine, Primary care network of a private partnering local hospital Transplant psychiatry Sickle Cell Anemia Clinic Cystic Fibrosis
	Development of transitional psychiatry clinic from inpatient psychiatry
	Faculty coverage for inpatient services and call process
	Telepsychiatry program optimization and extension of use
2016	Physician Leader for Department's Admission and Transfer Policy
2016	Treatment Resistant Depression Consultation clinic development
2016-18	Mentored faculty to develop: Women's Mental Health Service (Dr. Jyoti Sachdeva)

- Expansion of collaborative care to a community hospital (Dr. Hilja Ruegg)
- Expansion of bariatric surgery evaluations (Dr. West-Smith)
- Addictions consultations (Dr. Pandalai)

Established a psychiatric services plan and process for inpatient and emergency consultation and outpatient followup for a community hospital in our health network

Oversaw retraining and reorganization of the ECT program

Department of Psychiatry, University of Toledo

2018- Medical Student Intake Clinics for outpatient psychiatry, inpatient addictions, child and geriatric psychiatry

Orientation process for faculty including faculty mentoring program

2019-

TEACHING EXPERIENCE:

University of Michigan Medical School

1990 -1995Tutor for medical students in embryology, physiology and genetics1992 -1994Individual tutor for medical students with dyslexia1993Teaching assistant for animal physiology laboratory course1997Facilitated small groups on human sexuality for first year medical students1998 -1999Faculty facilitator of small groups on multiculturalism in "Introduction to the Patient"1998Molecular and cellular biology small groups for first year medical students2000Designed and taught small discussion groups on somatization disorders

2000	Clinical instructor and evaluator
	Comprehensive clinical assessment of third year medical students

2001 Substitute teacher Ann Arbor School District Ann Arbor, Michigan

University of Alabama at Birmingham, School of Medicine

2007	Ethics in clinical medicine	e small groups for medical students
2008 - 2010	Brain module series of sr	nall groups for first year medical students
2009 - 2012	Psychiatry and HIV Lectu	re to Epidemiology 621 Department of Public Health
2009 - 2012	Psychopharmacology lec	tures to third year psychiatry residents
2011, 2012	Small groups for entering	freshman—book discussion
July 26, 2011	"Neurobiology of Suicide"	' Neurobiology Graduate Students
Nov 2011 -12	"Anxiety Disorder	2 nd Year Medical Students

University of Cincinnati

June 2014	BRACK assessments, University of Cincinnati Hospital Skills Assessment for all incoming interns at UC
June 2014	Psychiatry BRACK development team : skills assessment for incoming psychiatry interns
2014 - present	Psychiatry BRACK administration, University of Cincinnati
2014 - present	Orientation for incoming interns : Psychiatric Emergency Services, Dealing with Violent Patients, Psychiatric Consultation Services
Sept 2014	"Assessment of Suicide Risk" 1 st Year Psychiatry Residents
Sept 2014	Medicine residents GR "Capacity Assessment
Oct 2014	Nursing Managers and Social Workers GR "Capacity Assessment"
Nov 4 2014	Hospitalists GR "Capacity Assessment
July 2015-present	PGY-1 Lecture "Delirium
July 2015	Psychopharmacological Assessment, 3 rd year residents
2017-present	Suicide assessment, 1 st year residents

Resident and Medical Student Rotation Development:

2013-present	Restructuring of roles on consultation service to develop a senioring position Development of resident assessments that measure competenceies
2014	Acting attending elective in consultation psychiatry
2016	Transplant psychiatry elective for residents
2016	Collaborative Care Psychiatry Elective for residents
2016	Collaborative Care Psychiatry Elective for medical students

2016 Treatment Resistant Depression Elective for Residents

Supervision/Mentorship: Residents and Trainees

University of Alabama at Birmingham

2007	Arthur Hughes, MD	Psychiatry Resident	Psychopharmacology Supervisor
2008	Jessaka Fife, MD	Psychiatry Resident	Psychopharmacology Supervisor
2010	Kevin Whitley, MD	Psychiatry Resident	Research Project "Exaggeration of Symptoms in Inpatient Psychiatry"
2011	Cayce Paddock, MD	Psychiatry Resident	Psychopharmacology Supervisor
2011	Stephen Benesch	Medical Student	Summer Research Project "PTSD after tornados in an urban environment"
2010	Suzanne Bynum	Nurse Pract Student	Preceptor
2010	Jason Cofer	Nurse Pract Student	Preceptor
2011	Benjamin Echols	Undergrad Honors	Community Service Project and Thesis
2011	Richard B. Smith	Nursing Honors	Undergraduate Nursing Honors Thesis.
2011	Suzanne Coco	Undergrad Honors	Research : Honors in Science and Technology
2011- 2013	Bryant Mahaffey, MD	Psychiatry Resident	Research Project:"Development of a novel scale to detect symptom exaggeration"
2012	Stephen Meadors, MD	Psychiatry Resident	Research Project :, "Emergency Department Triage Suicide Screening Efficacy and Validity"
2011- 2013	Joseph Carley	Medical School Scholarly Activity	Research Project: "Suicide screening in the Emergency Department"
2012- 2013	Stephen Benesch	Medical School Scholarly Activity	Research Project "Post-traumatic stress disorder after natural disaster"
2012- 2013	Michelle Reeves, MD	Psychiatry Resident	Resident Research Project "Suicidality and neurocognitive function measured by fMRI "

University of Cincinnati

2013- 2014	Ashaki Warren, MD	Psychiatry Resident	Research Project "Suicide screening tools"
2014	Benjamin Luft	Medical Student Scholars Program	Research Project "Alternatives to Inpatient Psychiatry"
2014	Sam McCord	Medical Student Scholars Program	Research Project "Suicide assessment"
2014- 2016	4 th Year Psychiatry Residents		Group Supervision, weekly,
2014-	Palav Mehta, MD	Psychiatry Resident	Research Project
2015			Quality Improvement in Inpatient Recidivism
	Kim My Li	Medical Student Scholars Program	
2015		Medical Student	Quality Improvement in Inpatient Recidivism Research Project "Alternatives to Inpatient

Supervision/Mentorship: Faculty Proctoring

2009	Marjorie Person, MD	New hire, Psychiatric Emergency Services
2011	Andrea Dickens, MD	Chief resident recruited to faculty position in Psychiatric Emergency Services
2012	Wendell Bell, MD	New hire, Consultation Services
2012	Deina Nemiary, MD	New hire, Inpatient Psychiatry
2015	Jocelyn Weber, LISC	New Hire, Depression Care Manager, Internal Medicine
	Amy Shah, MD	New Hire, Geriatric Psychiatry
	Samuel Greenstein, MD	New Hire, Consultation Services
	David Karol, MD	New Hire, Collaborative Care and Consultation Services
	Alexandra Gee, PhD	New Hire, Transplant Psychology
	Erin Thase, PhD	New Hire, Collaborative Care
	LisaWest-Smith, LISW	New Hire Bariatric Surgery Evaluation and Collaboration
	Stephen Rush, MD	Inpatient Psychiatry, collaborative care, TMS Development of first break schizophrenia outpatient program
	Neha Gupta, MD	New Hire, Inpatient Psychiatry
2016	Hilja Ruegg, MD	Chief resident recruited to faculty to coordinate collaborative care services
	Jyoti Sachdeva, MD	Development of women's perinatal services across 2 hospital environments.
	Stephen Rush, MD	Faculty mentoring program
	Jyoti Sachdeva, MD	Faculty mentoring program

2017 Stephen Benoit, LIPC Mentoring in transition from basic science to clinical work and research

GRANT SUPPORT: (Past and Present)

COMPLETED

"Regulation of synaptic connections during development."	1991-1997
Agency: National institute of Neurological Disorders and Stroke,	Type : R01
Principal Investigator: Richard Hume, Ph.D.,	Role : Graduate Student
"Detecting and treating depression in UAB 1917/AIDS outpatient clinic."	2008-2010
Agency : Boehringer Ingelheim,	Type : Investigator initiated Principal
Investigator: Joseph Schumacher, PhD	Role : Co-investigator
"Project to improve symptoms and mood after spinal cord injury" Agency : NIDRR Principal Investigator, Charles Bombardier, PhD, University of Washington Site Principal Investigator, Scott Richards, Ph.D.	2007-2013 Type : multi-site project Role : Co-investigator
"Assessment and Treatment of Impulsivity and Thought Process Disorder in Patients with Acute Suicidal Ideation and Depression." Agency : UAB Impact Funds Principal Investigator: Cheryl McCullumsmith, M.D., Ph.D .	2010-2013 Type : pilot project \$100,000
"Paliperidone and Lithium in the Treatment of Suicidality –	2011-2013
Treatment Indication and Epigenetic Regulation."	\$75,000
Agency : American Foundation for Suicide Prevention,	Type : standard
Principal Investigator: Xiaohua Li, M.D., Ph.D./ Richard Shelton, M.D.	Role : Co-Investigator
"Screening and Brief Intervention for Substance Use Disorders in an Emergency Room Setting." Agency : UAB Health Services Foundation General Endowment Fund, Principal Investigator: Cheryl McCullumsmith, M.D., Ph.D.	2011-2013 \$200,000 Type : clinical initiative,
"Validation study of intersept scale for suicidal thinking-plus (ISST-plus),	2011-2013
Sheehan Suicide tracking scale (S-STS)"	\$58,574
Agency : Janssen Scientific Affairs	Type : Industry sponsored
Co-Principal Investigators: Roberta May, Cheryl McCullumsmith, M.D., P	h.D.
"Comparative Effectiveness Study for Bipolar Disorder (CHOICE)	2012-2014
Agency : AHRQ \$373,843	Type : RO1
Site Principal Investigator: Richard Shelton, M.D.	Role : Co- investigator
"Ketamine for treatment resistant depression"	2012 – 2014
Agency : Janssen \$325,200	Type : industry
Principal Investigator: Richard Shelton	Role : Co-investigator

"Nurse Education, Practice, Quality and Retention (NEPQR) Program – Intercollaborative Practice." Agency : Health Research Services Administration (HRSA) Principal Investigator: Cynthia Selleck, DSN, ARNP

" Suicidal Thought and Biological Markers" Agency: Cincinnati Children's Hospital Principal Investigator: John Pestian, PhD

"A 12 week randomize controlled double-blind evaluation... of the impact of GeneSight Psychotropic...." Agency: AssureRx, Principal Investigator: Greden, John

"Double-blind, Randomized, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Intranasal Esketamine for the Rapid Reduction of the Symptoms of MDD, Including Suicidal Ideation, in Subjects Assessed to be at Imminent Risk For Suicide Agency: Janssen Pharmaceuticals

DREAM Agency: Janssen Principal Investigator: Larry Alphs, MD

Cystic Fibrosis Mental Health Collaborative Care Agency: Cystic Fibrosis Foundation Principal Investigator: Larry Alphs, MD

Title: "Ketamine for treatment of acute suicidal ideation" Agency: American Foundation for Suicide Prevention Principal Investigator: **Cheryl McCullumsmith**

Biomarkers of Ketamine Response Agency: NNDC Principal Investigator: William Bebo, MD

Assessment of ability to provide Informed Consent In the Acute Care Setting Agency : CCTST **Principal Investigator : Cheryl McCullumsmith** Validation of the SIBAT, (Suicidal Ideation and Behavior Assessment Tool) Agency : Janssen Pharmaceuticals

Opioid Analytics Treatment Group Agency : Ohio Medicaid

Teaching Integrated Mental Health Care PI : Isabella Bartholomew Agency : American Psychiatric Association 2013-2014

Role : Co- investigator

2013-2015 Type: Innovation Award Role: Site Principal Invest

2014-2017 Type: Multi-Site industry trial **Role: Co-investigator**

2014-2017 Type: Multi-site industry trial **Role: Sub-investigator**

2015-2019 Type: multi-site industry trial **Role: Site Principal Invest**.

2016-2018 Type: foundation **Role: Co- Investigator**

2015-2018 Type: standard grant

2016-2019

Type: multi-site trial **Role: Site Principal Invest**.

2016-present Type : Pilot

Role : principal investigator 2016-present Type : Investigator Initiated Role : Site investigator

2018-2019 Role : site Pl

2018-2019 Type : Pilot **Role : Mentor**

Ongoing

Healing Communities : Opioid use implementation in a community led Model of Care Role: Site PI Agency : NIH, NIDA	2019-2022
Designed for DATA : integrating opioid use education throughout the medical school curriculum Principal Investigator : Cheryl McCullumsmith	2018-2021
Agency : SAMHSA \$500,000 over 3years	Type : Investigator Initiated
Opioid Overdose Response Team Principal Investigator : Cheryl McCullumsmith	2019-2021
Agency : SAMHSA \$750,000 over 2 years	Type : Investigator Initiated

RESEARCH INTERESTS:

My research interests focus on improving quality of care and developing novel treatment interventions for patients in psychiatric crisis. To these ends, I have two separate lines of research. One line of research focuses on patient centered outcomes research to develop interventions to enable patients to connect with appropriate follow-up care after psychiatric crisis. The second line of research is the development of novel clinical therapeutic tools to treat patients in crisis, especially patients having acute suicidal ideation. I have been focusing primarily on the use of low dose ketamine as an adjunctive agent to treat acute suicidal ideation.

PUBLISHED PEER-REVIEWED MANUSCRIPTS:

Markert, TH, Powers, TR, Levine, AM, **McCullum**, **CB**, Mohr, JJ. Bragg crystal spectroscopy and the Advanced X-ray Astrophysics Facility (AXAF) Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series 1988: 982 245-256

McCullum, **CB**. Disease and Dirt: Social implications of cholera, influenza and syphilis, *The Pharos Spring*, 1992.

McCullum, **CB**. Control of Rectification in the Current-voltage Relation of the AMPA Class of Glutamate Receptors University of Michigan 1999

Lawrence, ST, Willig, JH, Crane, H, Ye, J, Aban, I, Lober, W, Nevin, C, Batey, DS, Mugavero, M, **McCullumsmith**, **C**, Wright, C, Kitahata, M, Raper, JL, Saag, MS, Schumacher, J. "Routine Self-administered, Touch-Screen Computer Based Suicidal Ideation Assessment Linked to Automated Response Team Notification in an HIV Primary Care Setting." *Clin Infect Dis.* 2010 Apr 15: 50 (8): 1165-73

McCullumsmith, **CB** and Ford, C. Simulated Illness: The Factitious Disorders and Malingering, *Psychiatric Clinics of North America*, 2011 Sep;34(3):621-41

Kozak M, Mugavero MJ, Ye J, Aban I, Lawrence S, Nevin CR, Raper JL, **McCullumsmith C**, Schumacher JE, Crane HM, Kitahata MM, Saag MS, Willig JH. Patient reported outcomes in routine care: advancing data capture for HIV cohort research. *Clin Infect Dis. 2012; 54: 141-147*.

Clark, CB, Perkins, A, **McCullumsmith**, **CB**, Islam, MA, Hanover, EE, Cropsey KL. Characteristics of victims of sexual abuse by gender and race in a community corrections population. *J Interprets Violence*. 2012; 27: 1844-1861.

Clark, CB, Perkins, A, **McCullumsmith**, **CB**, Islam MA, Sung, J, Cropsey, KL. What does self-identified drug of choice tell us about individuals under community corrections supervision? *J Addict Med*, 2012; 6: 57–67

Schumacher, JE, **McCullumsmith, C**, Mugavero, MJ, Ingle-Pang, PE, Raper JL, Willig, JH, You, Z, Batey, DS, Crane, H, Lawrence, ST, Wright, C, Treisman, G, Saag, M. Routine Depression Screening in an HIV Clinic Cohort Identifies Patients with Complex Psychiatric Co-morbidities Who Show Significant Response to Treatment, *AIDS Behavior*, 2012.

McCullumsmith, **CB**, Clark, CB, Perkins, A, Fife, J., Cropsey, K. Gender and Racial Differences for Suicide Attempters and Ideators in a High Risk Community Corrections Population, *Crisis: J of Crisis Intervention and Suicide Prevention*, 2012; 28: 1-13

Cropsey, K, Martin, S, Clark, CB, **McCullumsmith**, **CB**, Lane, P.S Hardy, S Characterization of opioid overdose and response in a high-risk community corrections sample: A preliminary study, *J. Opioid Man*, Vol 9 (6) 2012.

Clark, CB, **McCullumsmith**, **CB**, Redmond, N, Hardy, S, Waeshe, MC, Osula, G, Cropsey, KL. Factors associated with rapid failure in a Treatment Alternatives for Safer Communities (TASC) program, *Journal of Substance Abuse Treatment,* June 2013

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Richards, JS, Wilson, C, Heinemann, A.W., **McCullumsmith**, **CB**, Temkin, N. Fann, JR, Bombardier, CH., for the PRISMS Investigators Efficacy of venlafaxine XR for the treatment of pain in patients with spinal cord injury and major depression: a randomized, controlled trial, *Arch Physical Medicine and Rehabilitation*, December 2014

Al Guerdijkova, IA Gwizdowski, SL McElroy, **CB McCullumsmith**, Treating Nonsuicidal Self-Injury, *Current Treatment Options in Psychiatry*, 2014

McCullumsmith, **CB**, Clark, CB, Blair, C, Cropsey, K Shelton, R, Rapid Follow-up Decreases Recidivism after Psychiatric Crisis in the Emergency Department. *Community Mental Health Journal, Vol 51 (2), 139-144, 2015.*

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Wilson,C.W. Martin Forchheimer, Allen W Heinemann, Anne Marie Warren, **Cheryl McCullumsmith** Assessment of the relationship of spiritual well-being to depression and quality of life for persons with spinal cord injury *Disability and Rehabilitation*, 2016.

Mallick, F, **McCullumsmith**, **CB** Ketamine for Treatment of Suicidal Ideation and Reduction of Risk for Suicidal Behavior *Current Psychiatry Reports*, 2016 18 (6) 1-14.

Pestian, JP Sorter, M Connolly, B Bretonnel, K Cohen, **McCullumsmith**, C Gee, JT Suicide Thought Marker Study Group, and STM Research Group. A Machine Learning I Approach to Identifying the Thought Markers of Suicidal Subjects : A prospective Multicenter Trial" *Suicide and Life Threatening Behavior*, 2016, 11 (1)

Vars, F., Shelton, R, **McCullumsmith**, **C**, Cropsey, K. Willingness of mentally ill individuals to sign up for a novel proposal to prevent firearm suicide, *Suicide and Life Threatening Behavior*, 2017 10 (1).

N Kreitzer, R Ancona, **C McCullumsmith**, BG Kurowski, B Foreman, The effect of antidepressants on depression after traumatic brain injury: a meta-analysis, *The Journal of Head Trauma Rehabilitation*, 2019 May/June 34 (3), E47-E54.

Y Domany, RC Shelton, **CB McCullumsmith** Ketamine for acute suicidal ideation. An emergency department intervention: A randomized, double-blind, placebo-controlled, proof-of-concept trial, *Depression and Anxiety,* 2020 Mar, 37 (3) DOI: 10.1002/da.22975

AS Imami, SM O'Donovan, JF Creeden, X Wu, H Eby, **CB McCullumsmith**, K Uvnäs-Moberg, RE McCullumsmith, E Andari, Oxytocin's anti-inflammatory and proimmune functions in COVID-19: a transcriptomic signature-based approach, *Physiological Genomics*, 2020 Sep 1;52(9):401-407. doi: 10.1152/physiolgenomics.00095.2020.

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OTHER:

Reviewer, Parapraxis, literary magazine for psychiatry residents University of Michigan, 1999-2000

Reviewer, Community Mental Health Journal, 2009-present

Reviewer, Neuropsychopharmacology Journal, 2011-present

Reviewer, The Journal of Clinical Psychiatry, 2012-present

Reviewer, Journal of Health Care for the Poor and Underserved; 2013- present

Reviewer, Journal of Racial and Ethnic Health Disparities, 2013- present

Reviewer, Current Psychopharmacology, 2014- present

Reviewer, Annals of African Medicine, 2014-present

Reviewer, Translational Psychiatry, 2014-present

ABSTRACTS: (numbered in chronological order)

McCullum, **CB**, Walker, JJ, Hume, RI. Are induced action potentials the trigger for growth cone collapse in sympathetic preganglionic neurons? Society for Neuroscience, 1992.

McCullum, **CB**, Smith, RE, Hume, RI, Kunkel, S. MIP-1 alpha expression in cultured rat brain cells. Society for Neuroscience, 1993.

Burill, JD, **McCullum**, **CB**, Hume, RI. Inward rectification is not an intrinsic property of AMPA receptors. Society of Neuroscience,1993.

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McCullum, **CB**, Hume, RI. Intracellular polyamines are both necessary and sufficient for inward rectification of AMPA class of glutamate receptor in Xenopus oocytes. Society for Neuroscience,1996.

McCullumsmith, **CB**, Kim, S. Patient preferences in placebo controlled clinical trials of antidepressants. Academy of Psychosomatic Medicine,2008.

McCullumsmith, **C**, Amin, N, Nasiatka, S. Use of a limited visit clinic to provide acute follow-up for patients with psychiatric needs presenting to an urban emergency room. Academy of Psychosomatic Medicine, 2010.

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McCullumsmith, **C**, Hammel, J, Fife, J, Cropsey, KL. Specific predictors of suicide attempts in a high risk community corrections population. College of Problems of Drug Dependence, 2010.

McCullumsmith, **C**., Perkins, A, Clark, CB, Cropsey, K. Impulsivity, stress and depression among cigarette smokers in community corrections: relation to suicidal behavior. College of Problems of Drug Dependence, 2011.

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McCullumsmith, **CB**, Meador-Woodruff, J, Clark, CB, Cropsey, KL. Cocaine Dependence Specifically Predicts Historical Suicide Attempts among African-Americans in Community Corrections. American College of Neuropsychopharmacology (ACNP). Hawaii, 2012.

Alphs FL, Sheehan DV, Mao L, Williamson, D, Hammond E, May R, Li X, **McCullumsmith C** (2012) Comparative Validation of the ISST-Plus, the S-STS, and the C-SSRS for Assessing Suicidal Thinking and Behavior, International Society for CNS clinical Trials and Methodology, Marina Del Rey, CA.

McCullumsmith C.B. Kalpakjian, C, Richards, J.S., Fann, F, Bombardier, C. Positive psychological changes after spinal cord injury American College Rehabilitation Medicine Vancouver, Canada 2012

Alphs, L., Canuso, C, Williamson, D and SIBAT consortium The Suicidal Ideation and Behavior Assessment Tool (SIBAT), development of a novel measure of suicidal ideation and behavior and perceived risk for suicide. International College of Schizophrenia Research (ICOSR) 2015

Alphs, L., Canuso, C, Williamson, D and SIBAT consortium The Suicidal Ideation and Behavior Assessment Tool (SIBAT), development of a novel measure of suicidal ideation and behaviorand perceived risk American Society of Clinical Psychopharmacology (ASCP) Miami FI. 2015

Alphs, L., Canuso, C, Williamson, D and SIBAT consortium The Suicidal Ideation and Behavior Assessment Tool (SIBAT), development of a novel measure of suicidal ideation and behavior and perceived risk of suicide International Society of CNS Clinical Trials and MethodologyISCTM) Washington D.C. 2015

Alphs, L., Canuso, C, Williamson, D and SIBAT consortium The Suicidal Ideation and Behavior Assessment Tool (SIBAT), development of a novel measure of suicidal ideation and behavior and perceived risk of suicide European College of Neuropsychopharmacology ECNP Amsterdam 2015

Alphs, L., Canuso, C, Williamson, D and SIBAT consortium The Suicidal Ideation and Behavior Assessment Tool (SIBAT), development of a novel measure of suicidal ideation and behavior and perceived risk of suicide International Association of Suicide Research/ American Foundation for Suicide Prevention (IASR/AFSP) New York, NY 2015

Tucker, A, Tikhtman, R., Li, K.M., Honda, M., **McCullumsmith, C**. Development of a novel patient-centered monitoring strategy to improve patient outcomes after psychiatric crisis. National Network of Depression Centers Annual Meeting 2016

Tikhtman, R., Tucker, A,., Li, K.M., Honda, M., **McCullumsmith, C**. The STEDI clinic : Stabilization, Treatment, Evaluation, and Disposition. An innovative, patient-centered transition to outpatient psychiatric care. National Network of Depression Centers Annual Meeting 2016

Ruegg, H, Thase, E., **McCullumsmith, C**.A Novel Context for Collaborative Care : Adapting Collaborative Care to Multidisciplinary Subspecialty Care. . National Network of Depression Centers Annual Meeting 2016

Ruegg, H, Weber, J., **McCullumsmith, C**. Training for the Future : Innovations in Collaborative Care as a tool for training future physicians in multiple disciplines. National Network of Depression Centers 2016

ORAL PRESENTATIONS:

May 2007	"Placebos in Antidepressant Trials" Research Day Symposium Key Note Speaker University of Alabama at Birmingham
October 2007	"Management of Difficult and Emergency Psychiatry Situations" Resident Teaching Rounds, Family Medicine University of Alabama, Montgomery
February 2009	"Management of the Difficult Patient" Physical Medicine and Rehabilitation, University of Alabama at Birmingham
May 2009	"Depression" Inservice Education for HIV Clinic University of Alabama at Birmingham
November 2009	"Post-traumatic Growth after Spinal Cord Injury" Academy of Psychosomatic Medicine Annual Meeting Miami Florida
February 2010	"Violent Patient Morbidity and Mortality" Grand Rounds Department of Psychiatry and Behavioral Neurobiology
December 2010	"Difficulty Patient Morbidity and Mortality" Grand Rounds Department of Psychiatry and Behavioral Neurobiology
	"Depression, Stress, and HIV"

West Alabama Department of Public Health

February 2011 "Treating Depression through Wellness" Grand Rounds Department of Internal Medicine UAB Montgomery Baptist Hospital March 2011 "Opioid Management, Morbidity and Mortality" Grand Rounds Department of Psychiatry and Behavioral Neurobiology June 2011 "Psychiatric Emergency Services" National Alliance on Mental Illness (NAMI), Alabama Birmingham, AL "Suicide and Post-Traumatic Stress Disorder" September 10, 2011 First Annual Mental/Emotional Fitness Seminar More Than Conquerors Faith Church Birmingham, AL "The Aftermath of the Storms: Post Traumatic Stress Disorder" September 30 2011 14th Annual UAB Trauma Symposium University of Alabama at Birmingham October 2011 "Suicide Prevention" Graduate Biomedical Sciences University of Alabama at Birmingham October 2011 "Screening, Brief Intervention and Referral to Treatment for Substance Use Disorders" Grand Rounds UAB, Department of Emergency Medicine February 2012 "Violent patients and trainees" Morbidity and Mortality Conference Department of Psychiatry April 17, 2012 "Assessment and Treatment of Suicidality: Use of Ketamine" Grand Rounds UAB, Department of Emergency Medicine April 25, 2012 "Suicide prevention and treatment strategies" Research Day Keynote Speaker Morehouse University Medical School April 27, 2012 "PTSD after Natural Disasters" Alabama APA Spring Annual Meeting Montgomery, AL "Assessment and Treatment of Suicidality : Use of Ketamine" May 1, 2012 Grand Rounds Department of Psychiatry and Behavioral Neurobiology May 1, 2012 "Suicide Assessment and Response" Alabama State Police Chaplains Annual Training Meeting August 21, 2012 "Capacity Assessment" Grand Rounds UAB Department of Emergency Medicine September 20, 2012 "Suicide Assessment, Response and Treatment" Alabama State Nurses Association September 27, 2012 "Suicide Assessment and Response" The Kirklin Clinic Leadership Council Health Services Foundation October 9, 2012 "Mental Health in the LGBTQ Community" UAB School of Medicine Course"Health and Wellbeing of the LGBTQ community: A geopolitical and Health-Centered Perspective" November 19, 2012 "Rapid Follow-up Reduces Psychiatric Recidivism in the Emergency Department" Academy of Psychosomatic Medicine Annual Meeting Atlanta, GA

December 11, 2012	"Suicide prevention and treatment strategies" The Geisel School of Medicine at Dartmouth Department of Psychiatry
April 2013	Research Day Speaker University of Alabama at Birmingham, Department of Psychiatry
June 2013	"Novel Interventions in Treatment of Psychiatric Crisis in the Emergency Department" NCDEU meeting Hollywood, FL
June 2013	"Ketamine as a rapid anti-suicide agent" IASR (International Association of Suicide Research) Montreal, Canada
October 2013	"Ketamine as a rapid anti-suicide agent" Grand Rounds, University of Cincinnati, Department of Emergency Medicine
November 2013	"Novel Interventions in Treatment of Psychiatric Crisis in the Emergency Department" Academy of Psychosomatic Medicine Annual Meeting
November 2013	"Suicide screening questions in the ED setting" Academy of Psychosomatic Medicine Annual Meeting
November 2013	Member of panel for discussion of Maintenance of Certification
November 2014	"Novel Interventions in Treatment of Psychiatric Crisis in the Emergency Department" Grand Rounds, University of Cincinnati, Psychiatry
April 2015	"Suicidal ideation and Historical Attempts in Patients with Spinal Cord Injury" Academy of Psychosomatic Medicine Annual Meeting Fort Lauderdale, FL
November 2015	"Depression with comorbid medical illness" Mood disorders symposium University of Cincinnati
November 2015	"Ketamine for reduction of suicide risk" National Network of Depression Centers annual meeting Ann Arbor, MI
November 2015	"Aftercare after psychiatric crisis" Academy of Psychosomatic Medicine New Orleans, LA
December 15, 2015	"Hopelessness and impulsivity as markers of suicide risk" Academy of Psychosomatic Medicine New Orleans, LA
March 2016	Panelist "Workforce Issues with a Focus on Psychiatry" Mental Health and Addiction Advocacy Coalition Cincinnati OH
November 2016	"Ketamine for Treatment of Depression and Suicidal Ideation" Mood Disorders Symposium University of Cincinnati
November 2016	"Life in the Fast Lane : Rapidly Acting Antidepressants and Acute Care Research"" National Network of Depression Centers annual meeting Ann Arbor, MI
November 2016	"Identification of Suicidal patients with machine learning recognition of auditory and linguistic characteristic" Academy of Psychosomatic Medicine Austin TX
May 2017	"Depression and anxiety in Oncology Patients" Cancer Survivorship Symposium University of Cincinnati Health System
May 2017	Board Overview of Psychiatry for Internal Medicine Physicians

University of Cincinnati

- 2018 "Women in Psychiatry" Keynote and session organizer Presidential Symposium American Psychiatric Association
- 2019 Grand Rounds
- 2019 Grand Rounds, Department of Medicine, UT COMLS "What are opioids doing in the brain"
- Sept 2019 State of the Department Grand Rounds
- Nov 2019 KeyNote Toledo Opioid Symposium "What are Opioids Doing in the Brain Anyway
- February 2020 Grand Rounds, The Ohio State University, Department of Psychiatry "Novel treatments for acute suicidal ideation and risk"
- February 2020Leadership Symposium Round Table Panel
University of Toledo Business School
Graduate Program in Leadership
- Sept 2021 Grand Rounds, Department of Psychiatry, UT COMLS "Collaborative Care"

MISCELLANEOUS/Local Media

April 2011	"PTSD "Channel 46 News (taped interview)
May 2011	"PTSD" Fox 6 Live Interview
May 2011	"PTSD" Fox 6 "Ask the Doctor" segment (live interview)
May 2011	"PTSD" Fox 6 taped segment
May 2011	"PTSD reactions to tornado sirens in the aftermath of the April tornadoes" CBS 42 News
September 2011	"Emotional damage still haunts April storm victims" cited as a reference for a story on PTSD <i>Montgomery Advertiser</i>
October 23, 2011	"PTSD and the tornado storms" Fox 6 evening news live segment
April 22, 2012	Quoted in <i>Birmingham News</i> "ONE YEAR LATER: Recovery continues but pain lingers from Alabama's April 27 tornadoes"
Summer 2012	UAB Magazine A New View of Suicide: UAB Researchers Explore Causes, Prevention.
August 2012	McCullumsmith, C, Lahti A. "For improved outcomes, connect first-episode schizophrenia patients to comprehensive care quickly." <i>ED Management.</i> 2012 August (24), 85-96.
December 15, 2012	UAB psychiatrist on shootings, cumulative traumas and coping Birmingham News al.com

December 20, 2012	Mental illness intervention can help prevent suicides, mass killings Op/Ed essay in <i>Birmingham News</i>
2016	Sounding the alarm about suicide risk. ED Management Journal April 16, 2016
2018	Youth Acute Psychiatry Unit, Toledo channel 13 news