

Ian A. Lane, R.N.
Registered Nurse & Clinical Investigator
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EDUCATION

Ph.D. , Biobehavioral Nursing Science, UMass Chan Medical School, Worcester, MA/USA Concentration: <i>Clinical Research Methodology</i> Dissertation: <i>Chronic pain self-management strategies in sex and gender minorities with comorbid neuropsychiatric conditions</i> Advisor: Dr. James A. Fain, PhD, RN, BC-ADM, FAAN	In progress
Post-Graduate Diploma , Nursing, UMass Medical School, Worcester, MA/USA	08/2022
Ph.D. (incomplete) , Quantitative & Statistical Psychology, University of Rhode Island, Kingston, RI/USA Dissertation topic: <i>Nonparametric regression parameters in neuroimaging studies of trait anxiety</i> Advisor: Dr. Manshu Yang, Ph.D.	Transfer
B.S. (Honors) , Psychological & Brain Sciences, Becker College, Worcester, MA/USA Concentration: <i>Experimental Design</i>	12/2018

PROFESSIONAL LICENSURE

Registered Nurse (RN), State of Connecticut, #TBA Registered Nurse (RN), State of Massachusetts, #RN2371275	2022—Present
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CLINICAL INTERESTS

Clinically, I am interested in the care of adults managing acute and chronic pain syndromes in the context of cooccurring neuropsychiatric disorders, who face health disparities related to their status as a sex or gender minority and stigma associated with their serious mental health conditions.

RESEARCH INTERESTS

My research centers around issues of measurement and methodology in clinical nursing research. I am interested in translational pain and health-related quality of life and the measurement of both in the context of sex and gender minorities. Specifically, I am passionate about understanding the intersection of physical and psychological pain in LGBT youth with neuropsychiatric disorders. I strive to develop, evaluate, and apply advanced quantitative and statistical methodologies to questions of translational pain and symptom science.

CLINICAL EXPERIENCE

Clinical Research Nurse, Department of Emergency Medicine, UMass Memorial Medical Center, University Campus, Worcester, MA/USA	10/2022– Present
Registered Nurse, Cardiac Step-down & Progressive Care Unit, Rockville General Hospital (Yale-New Haven Health), Vernon, CT/USA	07/2022– 10/2022
Graduate Nurse Intern, Inpatient COVID-19 Unit with Telemetry, UMass Memorial Medical Center, Memorial Campus, Worcester, MA/USA	05/2022– 07/2022
Student Nurse, Vascular Surgery Research, UMass Memorial Medical Center, University Campus, Worcester, MA/USA	04/2022– 05/2022
Student Nurse, Inpatient Medical Psychiatry, UMass Memorial Medical Center, University Campus, Worcester, MA/USA	03/2022– 04/2022
Student Nurse, Labor & Delivery, SCN, and Postpartum Units, UMass Memorial Medical Center, Memorial Campus, Worcester, MA/USA	02/2022– 03/2022
Student Nurse, Inpatient Pediatrics, UMass Memorial Medical Center, University Campus, Worcester, MA/USA	01/2022– 02/2022
Student Nurse, Surgical Oncology, UMass Memorial Medical Center, Memorial Campus, Worcester, MA/USA	10/2021– 12/2021
Student Nurse, Trauma Unit, UMass Memorial Medical Center, University Campus, Worcester, MA/USA	08/2021– 10/2021

RESEARCH EXPERIENCE

<i>Biostatistician II</i> Implementation Science & Practice Advances Research Center, Department of Psychiatry, UMass Chan Medical School, Shrewsbury, MA/USA PI: Maryann Davis, Ph.D.; Kathryn Sabella, Ph.D.; Gina Vincent, Ph.D.	06/2022– Present
<i>Statistical Analyst, Clinical Data Manager</i> Transitions to Adulthood Center for Research, Department of Psychiatry, UMass Chan Medical School, Shrewsbury, MA/USA PI: Maryann Davis, Ph.D.	09/2020– 06/2022
<i>Research Project Director</i> Population & Quantitative Health Sciences, UMass Chan Medical School, Worcester, MA/USA PI: Maryann Davis, Ph.D.; Rajani Sadasivam, Ph.D.	12/2019– 10/2021
<i>Clinical Research Coordinator III, Data Manager</i> Department of Psychiatry, UMass Medical School, Shrewsbury, MA/USA PI: Maryann Davis, Ph.D.	01/2021– 06/2022

<i>Clinical Research Coordinator II</i> Law & Psychiatry, Department of Psychiatry, UMass Medical School, Shrewsbury, MA/USA PI: Ekaterina Pivovarov, Ph.D.	12/2018– 10/2019
<i>Clinical Research Coordinator II, Database Designer</i> Transitions to Adulthood Center for Research, Department of Psychiatry, UMass Medical School, Shrewsbury, MA/USA PI: Maryann Davis, Ph.D.	12/2018– 01/2021
<i>Laboratory Research Assistant</i> Brudnick Neuropsychiatric Research Institute, Department of Neurobiology, University of Massachusetts Medical School PI: Andrew Tapper, Ph.D.; Susanna M. Casacuberta, Ph.D.	Summer 2019
<i>Clinical Research Intern</i> Transitions to Adulthood Center for Research, Department of Psychiatry, UMass Medical School, Shrewsbury, MA/USA PI: Maryann Davis, Ph.D.	08/2017– 12/2018
<i>Undergraduate Research Assistant</i> Clinical Mental Health Program, Department of Psychology, Becker College PI: Rachel Bottone, M.A.	Spring 2017

LEADERSHIP POSITIONS

<i>Voting Member</i> , UMMS Committee on Scientific & Research Affairs Tan Chingfen Graduate School of Nursing, UMass Chan Medical School, Worcester, MA/USA	2021– 2022
<i>Co-Chair</i> , Helping Youth on the Path to Employment (HYPE) Study Participatory Action Council (PAC) Department of Psychiatry, UMass Chan Medical School, Shrewsbury, MA/USA	2020– 2021
<i>Co-Chair</i> , Transitions to Adulthood Center for Research (Transitions ACR) National Young Adult Advisory Board (YAB) Department of Psychiatry, UMass Chan Medical School, Shrewsbury, MA/USA	2019– 2021
<i>Member</i> , Clinical Research Professionals Group (CRPG) Center for Clinical and Translational Science, UMass Chan Medical School, Worcester, MA/USA	2018– 2022

EDUCATIONAL ACTIVITIES

Teaching Activities in Programs and Courses

PSY 200, Statistical Methods in Behavioral Research, Graduate Teaching Assistant, Laboratory Instructor, 45 students (Faculty: Manshu Yang, Ph.D.)	Fall 2019
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PSYC 4007, Behavioral Research Methods, Undergraduate Teaching Assistant, 15 students
(Faculty: Jessica Adentong, M.S.)

Winter 2018

RESEARCH MENTORSHIP

Sarang Raj, B.S., R.N. , MSN Candidate, UMass Chan Medical School	2021-
Current Position: DNP student; Clinical Scholar in Sexology; Research Co-Investigator, Tan Chingfen Graduate School of Nursing	2023
Noriasha Mensah, B.S. , Project Coordinator, UMass Chan Medical School	2021
Current Position: Project Coordinator, UMass Chan Medical School	
Catherine Nagawa, Ph.D. , Clinical & Population Health Research graduate student, Morningside Graduate School of Biomedical Sciences, UMass Chan Medical School	2020-2021
Current Position: Post-doctoral fellow, Harvard T.H. Chan School of Public Health	
Maya Ingram, B.A. , Research Coordinator I, UMass Chan Medical School	2020-
Current Position: Research Project Director, UMass Chan Medical School	2023
Samantha M. Hersh, B.A. , Research Coordinator I, UMass Chan Medical School	2020-
Current Position: Clinical Research Coordinator II, UMass Chan Medical School	2023
Brian J. Miller, M.H.A. , Research Project Director, UMass Chan Medical School	2020-
Current Position: Director of Operations, Implementation Science & Practice Advances Research Center, Department of Psychiatry, UMass Chan Medical School	2022
Emma Narkiewicz, M.P.A. , Research Coordinator I, UMass Chan Medical School	2020-
Current Position: Project Coordinator, UMass Chan Medical School	2022
Emily McCaffrey, M.Ed., LSWA , Research Coordinator I, UMass Chan Medical School	2020-
Current Position: Director of Community Engagement, Town of Townsend, MA	2022
Gillian Simmons , Research Technician Assistant, UMass Chan Medical School	2020
Current Position: Research Technician, UMass Medical School	
Domenic Medina, B.S. , undergraduate student, University of Rhode Island	2019-
Current Position: Medical Student	2020
Bailey Pridgen, B.A. , Research Coordinator I, UMass Chan Medical School	2019-
Current Position: PhD Student, University of Alabama at Birmingham	2020
Morgan Rao, B.A. , Research Coordinator I, UMass Chan Medical School	2019-
Current Position: Clinical Research Coordinator II, UMass Chan Medical School	2020
Samantha Godbout, MA, LMHC , Graduate Research Intern, UMass Medical School	2019
Current Position: Licensed mental health clinician, Massachusetts	
April Laura, MA, LMHC , Graduate Research Intern, UMass Medical School	2019
Current Position: Licensed mental health clinician, Massachusetts	

RESEARCH GRANTS AND CONTRACTS

Current Projects

National Institute of Justice	NIJ-2020-18254 (PI: Vincent)	2020-
Optimizing supervision and service strategies to reduce reoffending: Accounting for risks, strengths, and developmental differences		2023
<i>Strengths-based approaches to reducing recidivism in justice-involved youth</i>		
\$600,000 total (\$384,000 direct; \$216,000 indirect)		
Role: Biostatistician II (20% effort, 2022-2023)		
PI: Gina Vincent, Ph.D.		

Substance Abuse and Mental Health Services Administration/National Institute on Disability, Independent Living, and Rehabilitation Research ACL 90RT5031-01-00 2019-2023
(PI: Davis)

The Learning and Working During the Transitions to Adulthood Rehabilitation Research & Training Center: Sequences of employment and education (SEED) study 2.0
A longitudinal quantitative survey to describe the school, training, and work activities of young adults with serious mental health conditions (SMHC) and explore if and how those activities correlate with various demographic and psychosocial covariates
\$3,896,391 (direct), \$478,576 (indirect)
Role: Data Manager (15% effort, 2019-2022); Biostatistician II (20% effort, 2022-2023)
PI: Kathryn Sabella, Ph.D.

National Institute on Disability, Independent Living and Rehabilitation Research 2018-2023
(NIDILRR) 90DPGE0008-01-00 (PI: Mullen)
Helping Youth on the Path to Employment (HYPE): Creating economic self-sufficiency
An intervention study of the blending of supported education and supported employment services for young adults with mental health conditions navigating school and work
\$2,374,954 total (\$1,543,720 direct; \$831,234 indirect)
Role: Data Manager (40% effort, 2018-2022); Biostatistician II (30% effort, 2022-2023)
PI: Michelle G. Mullen, Ph.D., CRC, CPRP; Kathryn Sabella, Ph.D.

Completed Projects

Population & Quantitative Health Sciences Pilot Project Program (PPP) grant 2019-2021
(PI: Sadasivam & Davis)
Digital tobacco intervention targeting smokers with serious mental illness (Smoker2Smoker Study)
A study adaptation for individuals with serious mental illness of a digital text-messaging based intervention previously shown to be effective for smokers in the general population for motivational enhancement to quit
\$25,000 (direct); \$16,403 (indirect)
Role: Research Project Director (30% effort, 2019-2021)
PI: Maryann Davis, Ph.D.; Rajani Sadasivam, Ph.D.

University of Massachusetts Medical School CTTS/NIH KL2 award (PI: Pivovarova) 2018-2020
Reducing attrition from drug treatment courts: Can focusing on Quality of Life help?
Drug treatment court recidivism remains high. It is hypothesized that understanding clients quality of life and related experiences may help to curb rates of recidivism.
\$465,989 (total)
Role: Clinical Research Coordinator (15% effort, 2018-2019)
PI: Ekaterina Pivovarova, Ph.D.

Substance Abuse and Mental Health Services Administration/National Institute on Disability, Independent Living, and Rehabilitation Research ACL 90RT5031-01-00 2014-2019
(PI: Davis)

The Learning and Working During the Transitions to Adulthood Rehabilitation

Research & Training Center: Sequences of employment and education (SEED) study 1.0

A longitudinal quantitative survey to describe the school, training, and work activities of young adults with serious mental health conditions (SMHC) and explore if and how those activities correlate with various demographic and psychosocial covariates

\$3,896,391 (direct), \$478,576 (indirect)

Role: Clinical Research Coordinator (20% effort, 2018-2019)

PI: Kathryn Sabella, Ph.D.

Substance Abuse and Mental Health Services Administration/National Institute on Disability, Independent Living, and Rehabilitation Research ACL 90RT5031-01-00 2014-2019
(PI: Davis)

The Learning and Working During the Transitions to Adulthood Rehabilitation

Research & Training Center: Peer Academic Support for Success (PASS) Study

A mixed methods, multipronged study designed to evaluate the impact of peer-to-peer academic support intervention to improve self-regulated learning and academic persistence in young adult college students with serious mental health conditions as they navigate college often for the first time

\$3,896,391 (direct), \$478,576 (indirect)

Role: Clinical Research Coordinator (20% effort, 2018-2019)

PI: Maryann Davis, Ph.D.

The Shine Initiative (PI: Davis) 2019-2023

Transition-age Youth Psychotherapy Experiences (TYPE) Study

Understanding predictive factors that may help improve motivational enhancement to remain in psychotherapy treatment, given the high rate of attrition from therapy in the transition-age youth (TAY) population with serious mental health conditions (SMHC), through a grounded theory-based qualitative study

\$10,000 total

Role: Research Intern (20% effort, 2017-2018)

PI: Maryann Davis, Ph.D.

SCHOLARSHIP

Peer-reviewed publications

Sabella, K., **Lane, I. A.**, Agudelo, E., O'Neil, M., & Tinck, N. (in review). Young adults perceptions of their serious mental health conditions: Causes, consequences, and context.

Nagawa, C. S., **Lane, I. A.**, Lombardini, L., Davis, M., Wang, B., Pbert, L., Lemon, S., & Sadasivam, R. (in review). Experiences using family or peer support for smoking cessation and considerations for support interventions: A qualitative study in adult smokers with mental health conditions.

Nagawa, C. S., **Lane, I. A.**, Lombardini, L., Kamberi, A., Megan, K. M., Sadasivam, R., Davis, M. (in review). Understanding key factors for adaptation of smoking interventions for smokers with serious mental illness: A qualitative Study.

Mullen, M. G., Sabella, K., **Lane, I. A.**, Banko, A., Stone, B.L., Stone, R., Ellison, M. L., Solomon, P., Davis, M., & Beidas, R. (in review). A pilot evaluating feasibility and acceptability of a career development intervention (HYPE) among supported employment practitioners: A pilot trial.

- Sabella, K., Baczko, A., **Lane, I. A.**, Golden, L., Pici-D'Ottavio, E., & O'Neill, M. (2022). A challenging yet motivating journey: The experiences of young adult parents with serious mental health conditions in the USA. *Frontiers in Psychiatry*. Retrieved from: <https://doi.org/10.3389/fpsyt.2022.814185>.
- Thompson, J. L., Holloway, K., Karyczak, S., Ellison, M. L., Gill, K. J., **Lane, I. A.**, Davis, M., & Mullen, M. G. (2021). Evaluating educational and employment services for young people with psychiatric conditions: A systematic review. *Psychiatric Services*. Retrieved from: <https://doi.org/10.1176/appi.ps.202000033>.

Abstracts, Letters, and research briefs

- Lane, I. A.**, Nagawa, C. S., Lombardini, L., Kamberi, A., McKay, C., Davis, M., & Sadasivam, R. (2022, April). Identifying screening approaches for recruiting smokers with serious mental illness into behavioral interventions. In *Annals of Behavioral Medicine* (Vol. 56, No. SUPP 1, pp. S371-S371). Journals dept, 2001 Evans Rd., Cary, NC 27513 USA: Oxford Univ Press INC.
- Lane, I. A.**, Mullen, M. G., & Costa, A. (2020). Working from home during the COVID-19 pandemic: Tips and strategies to maintain productivity and connectedness. *Psychiatry Information in Brief*. 17(5), 1145. Retrieved from: <https://doi.org/10.7191/pib.1145>.
- Lane, I. A.** (2020). Re: Cannabis exposure as an interactive cardiovascular risk factor and accelerant of organismal ageing: A longitudinal study [letter to the editor]. *BMJ Open*, 6(11), e011891. Retrieved from: <https://bmjopen.bmj.com/content/6/11/e011891.responses#re-cannabis-exposure-as-an-interactive-cardiovascular-risk-factor-and-accelerant-of-organismal-ageing-a-longitudinal-study>.

Manuscripts in development

- Lane, I. A.**, Raj, S., Rosetti, V., & Aronowitz, T. (in development). How is intimate partner violence being assessed in healthcare settings: A mixed studies systematic review.
- Lane, I. A.**, Ingram, M., Carr, C., & Sabella, K. (in development). Participatory Action Research (PAR) Methodology: A scoping review of implementation methods.
- Sabella, K., **Lane, I. A.**, & Zitek, E. (in development). Best practices for measuring gender identity in young adults with serious mental health conditions.
- Sabella, K., & **Lane, I. A.** (in development). Current challenges in using school and work engagement as outcome variables in youth and young adults with serious mental health conditions. [Editorial]
- Lane, I. A.**, Ingram, M., Hersh, S., Sabella, K., & Mullen, M. (in preparation). Development of a complex behavioral intervention delivered on college campuses: A protocol.
- Lane, I. A.**, Ingram, M., & Mullen, M. G. (in development). Social determinants of mental health: Addressing disparities with career development.
- Rumbut, J., **Lane, I. A.**, Sabella, K., Ingram, M., & Mullen, M. G., L. (in development). Automated reporting and workflow tracking: Lessons learned from the HYPE on Campus Trial.
- Lane, I. A.** & Raj, S. (in development). Knowledge generation versus knowledge translation in nursing: A false dichotomy.
- Raj, S., **Lane, I. A.**, & Monagle, J. (in development). The ethics of the See One—Do One—Teach One method of clinical training and the importance of simulation in advanced practice education.
- Taylor, R. & **Lane, I. A.** (in development). A psychometric evaluation of measures of peer-to-peer bullying and horizontal violence in nursing.

INVITED PRESENTATIONS

International

- Lane, I. A. & Sabella, K.** *Best practices to measure gender identity in young adults with serious mental health conditions.* Presentation at the 6th International Conference on Youth Mental Health (IAYMH), Copenhagen, Denmark. 09.29.2022
<https://seed-study.weebly.com/gender-identity-findings.html>.
- Lane, I. A.** *Enhancing academic persistence and progress through a cognitive remediation intervention for college students with psychiatric conditions.* Presentation at the 6th International Conference on Youth Mental Health (IAYMH), Copenhagen, Denmark. 09.29.2022
- Sabella, K., Lane, I. A., & Zitek, E.** *A longitudinal exploration of school, work, and training among young adults with serious mental health conditions.* Presentation at the 6th International Conference on Youth Mental Health (IAYMH), Copenhagen, Denmark. 09.29.2022

National

- Davis, M., Lane, I. A., & Hutchinson, D.** *Navigating the ups and downs to caps and gowns: Creating a path to academic success for college students with mental health conditions.* Paper presentation at the National Association of Rehabilitation Research and Training Centers Conference (NARRTC), Pentagon City, VA. 04.23.2019
- Golden, L., Lane, I. A., Costa, A., & Davis, M.** *Lessons from feasibility piloting: Refining the PASS academic peer coaching intervention for college students with lived experience.* Paper presentation at the 32nd Annual Research and Policy Conference on Child, Adolescent, and Young Adult Behavioral Health, Tampa, FL. 03.05.2019

Regional

- Lane, I. A.** *Achieving educational goals and strength through supported education.* Presentation at the New York Association of Psychiatric Rehabilitation Services (NYAPRS) conference, Albany, NY. 11.12.2020
- Lane, I. A. & Costa, A.** *Let's get working: Launching young adults with mental health conditions into careers.* Presentation at the New York Association of Psychiatric Rehabilitation Services (NYAPRS) conference, Albany, NY. 11.14.2019

Local

- Lane, I. A.** *Multiphase optimization strategies (MOST) methodologies in Implementation Science.* Invited iSPARC-IL Presentation at the Implementation Science & Practice Advances Research Center (iSPARC), Department of Psychiatry, UMass Chan Medical School, Shrewsbury, MA, USA. 12.12.2022
- Lane, I. A., Reed, T., & Golden, L.** *Tools for school: Supporting the academic success of young adults with mental health conditions in college and beyond.* Presentation at the Massachusetts Psychiatric Rehabilitation Association (Mass PRA) conference, Marlborough, MA. 05.15.2019
- Lane, I. A.** *Careers in brain science: A deep dive into research opportunities.* Presentation at Becker College, Worcester, MA. 11.01.2018
- Golden, L., Lane, I. A., & Costa, A.** *Qualitative matrix analysis in mental health services research.* Presentation at the Transition to Adulthood Center for Research, University of Massachusetts Medical School, Shrewsbury, MA. 07.21.2018

ACADEMIC SERVICE

Professional Memberships

International Association for the Study of Pain (IASP), Graduate Student Member	2022- Present
American Chronic Pain Association (ACPA), Member	2022- Present
Council for the Advancement of Nursing Science (CANS), Student Member	2022- Present
American Academy of Nursing (AAN), Student Member	2022- Present
Eastern Nursing Research Society (ENRS), Member	2021- Present
American Statistical Association (ASA), Member	2021-2022
American Association of Men in Nursing (AAMN), Member	2020-2021
American Physiological Society (APS), Graduate Student Member	2020- Present
International Statistical Institute (ISI), Graduate Student Member	2019- Present
Society for Psychophysiological Research (SPR)	2019- Present
The Social & Affective Neuroscience Society (SANS)	2019- Present
International Neuropsychological Society (INS)	2019- Present
International Biometrics Society (IBS), Member	2018- Present

EDITORIAL RESPONSIBILITIES

Ad Hoc Reviewer

Eastern Nursing Research Society (ENRS) annual conference, ad hoc abstract reviewer	2023- Present
<i>Psychiatry Information in Brief</i> , UMass Chan Medical School, Editorial Board	2020- Present
APSSC RISE Research Award, ad hoc reviewer	2020
American Psychological Society (APS) Student Grant Competition, ad hoc reviewer	2018-2019
Annual CMHRP National Conference, ad hoc reviewer	2018-2019

Grant Reviewer

Grant review committee ("R-Club"), graduate student reviewer	2022- Present
Grant review committee ("K-Club"), staff reviewer	2021- Present
Grant review committee ("Grant Gurus"), staff reviewer	2019- Present

PROFESSIONAL DEVELOPMENT

NIH Office of Extramural Research, Protecting Human Research Participants	2018
Collaborative Institutional Training Initiative (CITI) training	2017- Present
<i>Conflicts of Interest</i>	
<i>Good Clinical Practice (GCP) for clinical trials</i>	
<i>Biomedical responsible conduct of research</i>	
Clinical Appraisal podcast (Spotify)	2018- Present
Host & Interviewer	
<i>Broadly covers theory, measurement and research methodology in nursing science</i>	
<i>The first and only podcast dedicated to discussing nursing theory & research methods in clinical nursing research</i>	

Technical Skills

Proficient in EPIC, Typhon, REDCap, Jupyter Notebook, SAS, SPSS, Qualtrics, SurveyMonkey, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, Dedoose, NVivo, EPIC Hyperspace, and Microsoft PowerPoint; Familiarity with R, Python, JavaScript, SQL, Visio, Microsoft Publisher, Tableau, GIS

Professional References

Available upon request.