

CURRICULUM VITAE**Ya-Wen (Yama) Chang, M.A.**Phone: (646) 927-9876 • Email: yc3508@columbia.edu • Website: <https://yamaychang.me/>UPMC Western Psychiatric Hospital
Bellefield Tower, Room 732, Pittsburgh, PA 15213**EDUCATION**

2018 – 2020	Teachers College, Columbia University M.A. in Clinical Psychology (concentration: Research Methods), GPA: 4.0/4.0 Master's Thesis: <i>Childhood Gender Nonconformity and Identity Development Among a Diverse Transgender Community Sample in the United States</i> Advisor: Walter Bockting, Ph.D.	New York, NY
2008 – 2012	National Taiwan University B.A. in Economics	Taipei, Taiwan
2010	Stanford University Exchange Student	Palo Alto, CA

RESEARCH INTERESTS

Data-driven techniques (machine learning, quantitative modeling); mechanisms underlying multilevel stigma and psychopathology; suicide prediction and prevention; SGM mental health disparities.

AWARDS & HONORS

2022	Taiwan Government Scholarship to Study Abroad / GSSA (PENDING; \$32,000)
2021	Poster Finalist (Top 10) , IASR/AFSP International Summit on Suicide Research
2021	Selected Poster in SGM SIG Poster Session, 2021 ABCT 55 th Annual Convention
2020	Awarded A+ in Computational Psychiatry, Teachers College (TC), Columbia University <ul style="list-style-type: none"> Only given in rare circumstances per school policy; awarded for exceptional research project
2019	Program Ambassador , Dept. of Counseling and Clinical Psychology, TC, Columbia University
2019	Graduate Representative Speaker , Admitted Student Day Student Panel, TC, Columbia University
2019	Psi Chi Psychology Honors Society , TC, Columbia University
2018	Teachers College Scholarship (\$2,500, Merit-based), TC, Columbia University

PUBLICATIONS

Manuscripts Under Review

- Chang, Y.**, Jackman, K., Dworkin, J., Singh, A., LeBlanc, A., & Bockting, W. (Under Review). Childhood Gender Nonconformity and Identity Development among a Diverse Transgender Community Sample in the United States. *Sex Roles*.
- Paine, E., Barucco, R., **Chang, Y.**, Navalta, T., Ehrhardt, A., & Bockting, W. (Revise & Resubmit). "Too Much Trouble": Transgender and Nonbinary People's Experiences of Stigma, Discrimination, and Affirmation in the Workplace. *Socius*.

Selected Manuscripts in Preparation

(Note: only manuscripts soon to be submitted; see “research experiences” for other ongoing projects)

1. **Chang, Y.**, Buerke, M., Galfalvy, H., & Szanto, K. (In Preparation). Childhood Trauma is Associated with Early-Onset but not Late-Onset Suicidal Behavior in Late-Life Depression.
2. Galfalvy, H., Szücs, A., Buerke, M., **Chang, Y.**, & Szanto, K. (In Preparation) Long-term suicidal ideation profiles are associated with death by suicide and suicide attempt in late-life depression: a latent profile analysis of a prospective study.
3. Grzenda, A., **Chang, Y.**, Kirchner, S., Wang, P., & Clarke, D. (In Preparation). A Systematic Review in Psychological Effects of Gender-Affirming Hormone and Surgical Treatments on Gender Diverse Youth.

CONFERENCE PRESENTATIONS

Conference Presentations

1. Paine, E., Barucco, R., **Chang, Y.**, Navalta, T., Ehrhardt, A., & Bockting, W. (2022, April). *“Too Much Trouble”: Transgender and Nonbinary People’s Experiences of Stigma, Discrimination, and Affirmation in the Workplace.* Paper accepted at 2022 Population Association of Americas annual conference. Atlanta, GA.
2. Calati, R., Maisto, M., Miranda, R., Thompson, L., Lesanpezeshki, M., Baiden, P., Miller, C., **Chang, Y.**, Wang, P., Grzenda, A., Kirchner, S., & Clarke, D. E. (2021, October) Ethnic discrimination and suicidal thoughts and behaviors: an international-intercontinental collaborative project for a systematic review. In G. Zalsman (Chair), *IASR Metanalysis and Systematic Review Workshop Project*. Paper presented at the 2021 IASR/AFSP International Summit on Suicide Research (held virtually).

Poster Presentations

1. **Chang, Y.**, & Bockting, W. (2021, November). Identity Development Trajectories and Childhood Gender Role Nonconformity Among a Gender and Racial Diverse Sample in the United States. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies (held virtually). <https://osf.io/w2shb/>
2. **Chang, Y.**, Galfalvy, H., Buerke, M., & Szanto, K. (2021, October). Age of Onset of First Suicidal Behavior Determines Risk Factor Profiles in Older Suicide Attempters – Focus on Childhood Trauma Experiences. Poster presented at the IASR/AFSP International Summit on Suicide Research (held virtually). <https://osf.io/xtakn/>
3. **Chang, Y.**, Brown, V., Whitman, K., Dombrowski, A., & Szanto, K. (2021, October). Hippocampal MRI Volume Differences in Late-Life Suicidal Behavior. Poster presented at the IASR/AFSP International Summit on Suicide Research (held virtually). <https://osf.io/v5cr2/>
 - Nominated as a poster finalist (Top 10) for the early career researcher best poster award
4. **Chang, Y.**, Galfalvy, H., Buerke, M., & Szanto, K. (2021, October). The Relationship of Childhood Trauma Experiences with the Age of Onset of First Suicidal Behavior in Late-Life Depression. Poster presented at the Pitt Psychiatry Research Day. Pittsburgh, PA. <https://osf.io/xtakn/>
5. **Chang, Y.**, & Malgaroli, M. (2021, April). Longitudinal Predictors of Non-Suicidal Self-Injury among Gender Diverse Population: Machine Learning Approaches. Poster presented at the annual Diversifying Clinical Psychology Conference, Council of University Directors of Clinical Psychology (held virtually).
6. **Chang, Y.**, & Chen, S. (2020, November). Identifying School-Based Intervention Targets for the Risk of Suicide Attempt Amongst Gender Questioning Youth. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies (held virtually). <https://osf.io/pbmnt/>

7. Tang, S., & **Chang, Y.** (2020, August). Mental health disparities among LGBTQ Asian and Pacific islander youth: A cross sectional analysis (held virtually). Poster presented at the American Psychological Association Convention.
8. **Chang, Y.**, & Bockting, W. (2020, June). Childhood gender nonconformity and identity development among a diverse transgender community sample in the United States. Poster presented at the annual Journal of Clinical Child and Adolescent Psychology (JCCAP) Future Directions Forum (held virtually). <https://osf.io/65fdk/>
9. **Chang, Y.**, & Bockting, W. (2020, April). Childhood gender nonconformity and identity development among a diverse transgender community sample in the United States. Poster accepted at the Counseling Psychology Conference (cancelled due to COVID-19).

INVITED PRESENTATIONS

1. **Chang, Y.** (2021, August) *The Relationship of Childhood Trauma Experiences with the Age of Onset of First Suicidal Behavior in Late-Life Depression*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/nqc8e/>
2. Galfalvy, H., Buerke, M., & **Chang, Y.** (2021, May) *Suicidal Ideation Trajectories: Identifying Suicidal Subtypes*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA.
3. Brown, V. & **Chang, Y.** (2021, April) *Morphometric Alterations in Late-Life Suicide and Relationships with Cognitive Decline*. Invited talk presented at the Enrichment Meeting at Longitudinal Research Program in Late-Life Suicide at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/ng4wx/>
4. **Chang, Y.** (2021, April) *Career Talk: How to create a position for yourself during pandemic (as an international student)*. Invited talk presented at the Teachers College, Columbia University, New York, NY. <https://osf.io/zdt84/>
5. **Chang, Y.** & O'Brien, E. (2020, August) *Discussion about "Association of Suicide Prevention Interventions with Subsequent Suicide Attempts, Linkage to Follow-up Care, and Depression Symptoms for Acute Care Settings."* Invited talk presented at the cross-department seminar at UPMC Psychiatry, Pittsburgh, PA. <https://osf.io/xuz5w/>
6. **Chang, Y.** (2019, September) *Childhood Gender Nonconformity among Project AFFIRM participants*. Project AFFIRM Cross-State Weekly Meeting at Columbia Psychiatry, New York, NY
7. **Chang, Y.** (2019, July) *Childhood Gender Nonconformity and Identity Development among a Diverse Transgender Community Sample in the United States* at Program for the Study of LGBT Health monthly meeting, Columbia Nursing School, New York, NY

RESEARCH EXPERIENCES

2020 – Present **Longitudinal Research Program in Late-Life Suicide | R01MH085651**
Department of Psychiatry, University of Pittsburgh Medical Center
Principal Investigator: Katalin Szanto, M.D.
Research Area: Suicide risk in late-life depression

Researcher – Clinical Data / Data Manager

- Build statistical models using R for classification and prediction, communicate results to investigators using informative graphics, and write co-authorship manuscripts
- Lead independent research projects, including conceptualizing research questions into hypotheses, developing and applying analytic strategies, writing first authorship manuscripts, and present research findings at national and international conferences
- Pre-process T1-weighted structural images using a variety of software packages (e.g., FreeSurfer, R) and build multilevel regression models for analysis in a neuroimaging study

- Lead data team and oversee the training of new team members
- Write R script to provide data-driven report monthly to facilitate recruitment progress and annual reports; manage clinical longitudinal databases in REDCap
- Mentor junior colleagues in coding and analyzing data using R programming language
- Attend weekly clinical case seminars, and receive suicide clinical research trainings

2021 – Present **Gender Minority Youth Study (GMY Study)**
Department of Psychiatry, University of Pittsburgh Medical Center
Principal Investigator: Brian Thoma, Ph.D.
Research Area: Gender minority youth and suicide risk

Data Analyst

- Design and conduct quantitative analytic plans using R with dataset from GMY Study
- Explore the relationship between multi-level stigma and suicidal behaviors among sexual and gender minority (SGM) youth

2020 – Present **IASR Meta-Analysis and Systematic Review Workgroup**
Sponsored by International Academy of Suicide Research
Principal Investigator: Diana E. Clarke, Ph.D.
Research Area: Social determinants and health inequalities in relation to suicide risk with a focus on racial and sexual and gender minority groups

Co-Investigator

- Conduct systematic reviews under the guidelines of PROSPERO and draft manuscripts
- Conduct preliminary searches in databases (PubMed, EMBASE, PsycINFO, Web of Science)
- Collaborate with international researchers and discuss progress in bi-weekly meetings

2019 Summer **Stress and Development Laboratory**
Department of Psychology, Harvard University
Principal Investigator: Katie McLaughlin, Ph.D.
Research Area: Impact of childhood adversity on neurobiological mechanisms

Summer Research Assistant

- Developed stimuli presentation programs using FaceGen for fMRI task
- Compiled a list of literatures applying multi-voxel pattern analysis of fMRI tasks
- Participated in designing experiments, selecting measures, and adapting training items and stimulus using Photoshop for fMRI and EEG task
- Maintained data collection (ASEBA, CBCL) and assisted with recruitment events

2018 – 2020 **Program for the Study of LGBT Health; Project AFFIRM | R01HD079603**
Division of Gender, Sexuality, & Health
Department of Psychiatry, Columbia University Irving Medical Center
Principal Investigator: Walter Bockting, Ph.D.
Research Area: LGBTQ mental health, minority stress model

Research Assistant / Intern

- Collaborated with principal investigators to perform data analysis, data visualization, and presentation, as well as co-author ongoing manuscripts
- Led an independent research project, including developing conceptual framework, analytic strategy, and write first-author manuscript
- Transcribed 26 interview scripts and used Dedoose software for qualitative coding and thematic content analysis
- Presented papers during monthly seminars with post-doctoral scholars and faculty

2016 – 2017

Lab of Clinical and Translational Studies
Department of Psychiatry, Taipei City Hospital and Psychiatric Center
Principal Investigators: Po-Yu Chen, M.D., Ming-Chyi Huang, M.D., Ph.D.

Clinical Research Coordinator

- Coordinated four national grants of major depressive disorder, schizophrenia, and substance use disorder studies
- Screened, recruited, and ran 200+ sessions with participants at inpatient and outpatient settings
- Conducted literature search, participated in experiment design, selected measures, and adapted training items
- Maintained the lab's recruitment database by regularly updating participants' eligibility, interest, and participation status for ongoing studies
- Prepared and updated IRB project materials including writing annual reports
- Recruited and trained new research assistants

CLINICAL EXPERIENCES

2017 – 2018

Taiwan LGBT Hotline Association

Supervisor: Chia-Wei Shiu, MSW

Crisis Counselor

- Answered to 350+ callers and committed 15+ hours a week, including weekly clinical supervision
- Completed an intensive 16-week clinical training on people centered counseling techniques, crisis management, and interventions
- Passed a selective screening process to become a crisis counselor from a pool of trainees
- Wrote clinical reports after each call and presented complex calls to discuss goals and difficulties during weekly group supervision
- Provided education about HIV/AIDS and instruction on prevention to callers

2017

Persons with HIV/AIDS Rights Advocacy Association of Taiwan

Supervisor: Chester Chang, MSW

Crisis Counselor

- Completed an intensive 8-week clinical training with an emphasis on people centered counseling techniques, crisis management, and appropriate HIV/AIDS interventions
- Provided education about HIV/AIDS and instruction on prevention to callers
- Attended weekly clinical supervision

2016 – 2017

Lab of Clinical and Translational Studies
Department of Psychiatry, Taipei City Hospital and Psychiatric Center
Advisors: Po-Yu Chen, M.D., Ming-Chyi Huang, M.D., Ph.D.

Research Clinician (Inpatient and Outpatient Units)

- Conducted clinical interviews and cognitive tests for research studies
- Administered the Structured Clinical Interview-PANSS (SCI-PANSS) to evaluate symptom severity for participants with schizophrenia
- Administered the Columbia–Suicide Severity Rating Scale (C-SSRS), Hamilton Anxiety Rating Scale (HAM-A) and Montgomery-Asberg Depression Scale (MADRS) to evaluate symptom severity for participants with major depressive disorder
- Observed administrations of the M.I.N.I. and the Structured Clinical Interview (SCID) for DSM-5 by licensed clinicians to psychiatric inpatients
- Shadowed psychiatrists during diagnostic evaluations with outpatients and inpatients

TEACHING EXPERIENCES

- 2021 **R Workshop**
 Designed materials and developed a workshop to teach R programming for beginners. The workshop included four sessions, including introduction to R, data wrangling, tidying data, data visualization, and data analysis. Please find my slides and R scripts on my [GitHub](https://github.com/yamachang/R_workshop_2021fall) (https://github.com/yamachang/R_workshop_2021fall).
- 2017-2018 **GRE Quantitative Tutor**
 Helped college student to improve their score percentile from 30% to 80% for the GRE quantitative test. [My GRE Quantitative percentile: 95% (169/170)].

SKILLS

Statistical/Programming: R, SPSS, HTML, Bash, GitHub

Advanced Quantitative Modeling: structural equation modeling, Gaussian mixed modeling, survival analysis, cluster analysis, logistic regression, multilevel regression analysis, network analysis, supervised/unsupervised machine learning (e.g., penalized logistic regressions, decision tree)

Research Data Management: REDCap, OSF, Qualtrics, Dedoose, Sysrev, Zotero

Neuroimaging Skills: FreeSurfer, FaceGen

Relevant Graduate-level Coursework: Research Methods in Clinical Psychology; Child Psychopathology; Adult Psychopathology; Applied Regression Analysis; Data Science in R; Computational Psychiatry

Additional Coursework: HarvardX PH125.8x Data Science: Machine Learning

Additional Qualifications/Training: CITI Training Certification (Social and Behavioral Science Human Subjects),

Languages: English, Mandarin, Japanese

PROFESSIONAL AFFILIATIONS

- 2019 – Present Association for Psychological Science
- 2019 – Present Association for Behavioral and Cognitive Therapies; Sexual and Gender Minority Interest Group
- 2018 – Present American Psychological Association of Graduate Students; APA Division 44