Yama Chang, M.A.

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EDUCATION

2018 – 2020   **Teachers College, Columbia University**, New York, NY
M.A. in Clinical Psychology, GPA: 4.0/4.0
Master's Thesis: *Childhood Gender Nonconformity and Identity Development Among a Diverse Transgender Community Sample in the United States*
Advisor: Walter Bockting, Ph.D.

2008 – 2012   **National Taiwan University**, Taipei, Taiwan
B.A. in Economics

2010   **Stanford University**, Palo Alto, CA
Exchange Student

RESEARCH INTERESTS

Applying data-driven and quantitative modeling approaches investigating psychopathology classification underlying multilevel stigma (e.g., minority stress, structural stigma) and suicide; and applying accessible and transdiagnostic interventions among marginalized and stigmatized individuals, particularly sexual and gender minority.

SCHOLARSHIPS & HONORS

2021   **Selected Poster in Sexual and Gender Minority SIG Poster Session**, 2021 Association for Behavioral and Cognitive Therapies 55th Annual Convention

2021   **Selected Participant in Diversifying Clinical Psychology Conference**, Council of University Directors of Clinical Psychology (CUDCP)

2020   **Received A+ in Computational Psychiatry**, Teachers College, Columbia University
- A+ only given in rare circumstances per school policy; awarded for exceptional performance on research project

2019   **Selected Program Ambassador**, Department of Counseling and Clinical Psychology, Teachers College, Columbia University

2019   **Selected Graduate Representative Speaker**, Admitted Student Day Student Panel, Teachers College, Columbia University

2019   **Psi Chi Psychology Honors Society**, Teachers College, Columbia University

2018   **Teachers College Scholarship ($2,500, Merit-based)**, Teachers College, Columbia University

PUBLICATIONS

Manuscripts Under Review

1. Paine, E., Barucco, R., **Chang, Y.**, Navalta, T., Ehrhardt, A., & Bockting, W. (In Revision). "Too Much Trouble": Transgender and Nonbinary People's Experiences of Stigma, Discrimination, and Affirmation in the Workplace. *Socius*.

Selected Manuscripts in Preparation
*Only listing completed studies that manuscripts are being finalized

1. **Chang, Y.**, Buerke, M., Galfalvy, H., & Szanto, K. (In Preparation). The Relationship of Childhood Trauma Experiences with the Age of Onset of First Suicidal Behavior in Late-Life Depression.

2. **Chang, Y.**, Jackman, K., Singh, A., LeBlanc, A., & Bockting, W. (In Preparation). Childhood Gender Nonconformity and Identity Development among a Diverse Transgender Community Sample in the United States.

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

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 Session]. Accepted at 2021 Association for Behavioral and Cognitive Therapies (ABCT) 55th Annual Convention. New Orleans, LA.

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* [Symposium]. Accepted at 2021 IASR/AFSP International Summit on Suicide Research. Barcelona, Spain.

3. **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 Session]. Accepted at 2021 Pitt Psychiatry Research Day and Research Resources Revue.

4. **Chang, Y.**, Brown, V., Whitman, K., Dombrovski, A., & Szanto., K. (2021, October). *Hippocampal MRI Volume Differences in Late-Life Suicidal Behavior* [Poster Session]. Accepted at 2021 IASR/AFSP International Summit on Suicide Research. Barcelona, Spain.

5. **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 Session]. Accepted at 2021 IASR/AFSP International Summit on Suicide Research. Barcelona, Spain.

6. **Chang, Y.**, & Malgaroli, M. (2021, April). *Longitudinal Predictors of Non-Suicidal Self-Injury among Gender Diverse Population: Machine Learning Approaches* [Poster Session]. 2021 Diversifying Clinical Psychology Conference, Council of University Directors of Clinical Psychology (CUDCP).

7. **Chang, Y.**, & Chen, S. (2020, November). *Identifying School-Based Intervention Targets for the Risk of Suicide Attempt Amongst Gender Questioning Youth* [Poster Session]. Association for Behavioral and Cognitive Therapies (ABCT) 54th Annual Convention, Philadelphia, PA. https://osf.io/pbmnt/

8. Tang, S., & **Chang, Y**. (2020, August). *Mental health disparities among LGBTQ Asian and Pacific islander youth: A cross sectional analysis* [Poster Session]. American Psychological Association Convention 2020, Washington, DC.

9. **Chang, Y**., & Bockting, W. (2020, June). *Childhood gender nonconformity and identity development among a diverse transgender community sample in the United States* [Poster Session]. Journal of Clinical Child and Adolescent Psychology (JCCAP) Future Directions Forum, Washington, DC. https://osf.io/65fdk/

10. **Chang, Y**., & Bockting, W. (2020, April). *Childhood gender nonconformity and identity development among a diverse transgender community sample in the United States* [Poster Session]. Counseling Psychology Conference, New Orleans, LA. (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.

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.

4. **Chang, Y.** (2021, April) *Career Talk: How to find an academic research job as an international student during pandemic.* Invited talk presented at the Teachers College, Columbia University, New York, NY.

5. **Chang, Y.** & O'Brien, E. (2020, August) *"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.

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: Decision-making process in late-life suicide

Researcher – Clinical Data / Data Manager
- Build statistical models for prediction, communicate results to investigators using informative graphics, and write methods and results sections for 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
- Manage clinical longitudinal databases in REDCap

- Mentor research assistants by developing four workshop sessions in coding and analyzing data in R
- Attend attempter case conferences, weekly clinical case seminars, and receive suicide clinical research trainings
- Provide data-driven evidence to facilitate recruitment progress

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
- Conduct preliminary searches in databases including PubMed, EMBASE, PsycINFO, Web of Science
- Collaborate with international researchers and discuss progress in bi-weekly meetings
- Draft and prepare manuscripts for journal submission

2019	**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 among youth
- 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
- Implemented and tested children's cognitive battery exam for youth participants

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 interviews 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 from 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 rigorous screening process and was selected to serve on the hotline 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 daily rounds with inpatients

TEACHING EXPERIENCES

2021   **R Workshop**
Designed and developed materials for a workshop in teaching R from the beginning. The workshop had four sessions with topics including introduction to R, data wrangling, tidying data, data visualization, and data analysis. Please find my slides and R scripts on my GitHub.

2017-2018   **GRE Quantitative Tutor**
Helped a college student to prepare and improve the score percentile from 30% to 80% for the quantitative test in GRE. [My own GRE Quantitative percentile: 99%].

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, decision tree, network analysis, supervised/unsupervised machine learning (e.g., lasso regularized logistic regressions)
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 Qualifications/Training: Collaborative Institutional Training Initiative (CITI) Certifications (Social and Behavioral Science Human Subjects Research)
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