Yuhui Chen

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EDUCATION

2021-2024   **The University of Manchester, Manchester, UK**
BSc Psychology (Hons)
Grade: 79/100 (3.92/4.0; First Class)
Thesis Title: Mapping Interpersonal Affect Worsening in Everyday Life (supervisor: Dr. Belén López-Pérez)

AWARD AND FELLOWSHIP

2023   The Student Experience Internship Scholarship, University of Manchester
Amount: £ 3,000

PUBLICATIONS

1. **Chen**, **Y**., Hood, A. M., Kölbel, M., Stotesbury, H., Kawadler, J., Slee, A., Inusa, B., Pelidis, M., Howard, J., Chakravorty, S., Height, S., Awogbade, M., Kirkham F. J., & Liossi C. Pain Burden Predicts Executive Function in Patients with Sickle Cell Disease. *HemaSphere* 7(S1): p 11, April 2023. DOI: 10.1097/01.HS9.0000928208.78994.35

2. Hood, A. M., Chaman, A., **Chen, Y**., Mufti. S., Psychological Wellbeing Predicts Quality of Life among Pakistani Caregivers of Children Living with Thalassemia. (*Submitted to Paediatric Hematology & Oncology, under review*). Preprint DOI: 10.22541/au.168499987.75006938/v1

PRESENTATIONS

1. **Chen Y.,** López-Pérez B, Cheng, S., & Ajay A. (2023). Evaluating the correspondence between qualitative and quantitative measures to assess interpersonal emotion regulation strategies. *British Psychology Society 2023 Social Psychology Annual Conference*. Scotland, UK.

2. **Chen Y.,** López-Pérez B. (2023). Exploring the Temporal Dynamics of Motives and Strategies in Daily Interpersonal Affect Worsening. *International Society for Research on Emotion*, Northern Ireland.

3. **Chen, Y.,** & Hood, A. M. (2022). Pain burden Predicts Executive Function in Paediatric Patients with Sickle Cell Disease. *17th Annual Scientific Conference on Sickle Cell and Thalassaemia*. London, United Kingdom.

4. **Chen, Y.,** & Hood, A.M. (2023). Parent-reported Pain Intensity Predicts Cognitive Flexibility in Paediatric Patients with Sickle Cell Disease. *European Paediatric Psychology Conference 2023*. University of Stirling, Scotland, UK.

5. López-Pérez B & **Chen, Y.** (2023). Understanding the Link between Motives and Strategies in Altruistic and Counter-hedonic Interpersonal Affect Worsening. *Society for Affective Science*, New Orleans, Louisiana, USA

MANUSCRIPTS IN PREPARATION AND UNDER REVIEW

1. **Chen**, **Y**., Hao, Y, & López-Pérez B. Socioeconomic status, emotion regulation and depression. (Under review by the second and third authors, expected to submit for publication in December 2023)

2. **Chen**, **Y.,** Nagington, M., & Muir, J. Challenges and Evolution of Male and Transgender Sex Work in the Digital Era. (Under review by the second author, expected to submit for publication in November 2023)

3. **Chen, Y.,** Hood, A. M., Kawadler, J. M., Slee, A., Stotesbury, H., Koelbel, M., Balfour, P., Saunders, D. E., Rees, D., Kesse-Adu, R., Chakravorty, S., Awogbade, M., Clark, C. A., Kirkham, F. J., & Liossi, C. Index of Pain Experience in Sickle Cell Anaemia (IPESCA): Development from daily pain diaries and initial findings from use with children and adults with sickle cell anaemia (Submitted to *Frontiers in Pain Research*, under review)

4. **Chen, Y.,** Hood, A. M., Madan-Swain, A., Rumble, D. D., Vervoort, T., Crosby, L. E., Lebensburger, J., Miller, M. M., & Trost, Z. Pain inequality and cognition in paediatric patients with sickle cell disease.

5. Hao, Y., & **Chen**, Y. Depression phenotype and risk factors in relation to brain structure or function: relation to SES status.

6. López-Pérez B., **Chen**, **Y.,** Li X., & Cheng, S. Using ChatGPT to Understand People's Interpersonal Emotion Regulation Strategies. (Under review by the first author, expected to submit to *Emotion* in January 2024)

RESEARCH EXPERIENCE

June. 2023 – Present **Mental and Physiological Strains of Male and Transgender Sex Workers**
Funded Research Assistant
Supervisor: Dr. Maurice Nagington
Nursing & Midwifery Centre, University of Manchester
- Collaborated with local LGBTQ+ organisation (The Men's Room), conducted focus group with 3 male and transgender sex workers to understand their specific needs and vulnerabilities.

Jan. 2023 – Present **Socioeconomic Status (SES) and Depression**
Research Assistant
Supervisor: Dr. Yu (Hannah) Hao, Icahn School of Medicine at Mount Sinai

Project 1: Investigating Social Relations and Social functioning in SES and Depression
Project Lead
- Conceptualise and critically assess the role of social skill deficits in low SES and depression by systematically reviewing over 100 relevant articles.
- Independently drafted the manuscript. Refined and adapted based on Dr. Hao's guidance and feedback.

Project 2: Systematic Review of Brain Structure and Function underlying Depression and SES
- Conducted an extensive literature review of over 200 articles on structural and functional MRI in relation to SES and depression.
- Synthesized research findings and created detailed tables that effectively captured key insights.

Nov. 2022 – Present **Interpersonal Emotion Regulation and Emotional Intervention**
Undergraduate Research Assistant Lead
Supervisor: Dr. Belén López-Pérez
Interpersonal Emotion Regulation Lab, Manchester Centre for Health Psychology

Project 1: Interpersonal Emotional Regulation in Cross-Cultural Samples
- Conducted thematic analyses on 2500+ qualitative responses, identified significant between-group differences using Latent Profile Analysis on MPlus
- Created and presented a research poster as first author at the BPS 2023 Social Psychology Annual Conference.

Project 2: Interpersonal Affect Worsening in Daily Life

- Led the recruitment process, successfully enlisting and supervising 400 individuals for an intensive week-long study utilizing Ecological Momentary Assessments.
- Utilised Python and Two-Level Dynamic Structural Equation Models to analyse longitudinal data.

Project 3: Evaluating Language Models' Ability in Detecting Emotion Regulation Strategies
- Independently designed a comprehensive methodology for training Language Models. Detailed guidelines included in papers' appendix.
- Employed Python scripts for Cohen's Kappas analysis.
- Designed a descriptive flow chart within the manuscript.

May 2022 – Present **Pain and Cognitive Outcomes of Individuals Living with Sickle Cell Disease (SCD)**
Research Assistant
Supervisor: Dr. Anna M. Hood
MAGNET Lab, University of Manchester

Project 1: Index of Pain Experience in Sickle Cell Anaemia: Feasibility of an mHealth App
Collaboration: Prof. Christina Liossi, University of Southampton
- Analyzed data from a randomised-controlled clinical trial on 61 patients with SCD using R and SPSS.
- Authored the first draft of the manuscript and designed a pain heatmap using Photoshop.
- Incorporated feedback from peer reviews to refine and enhance the manuscript.

Project 2: The Interaction between Pain and Executive Function in Paediatric Patients with SCD
- Tidied, reverse coded, and analyzed data from 100 Pakistani caregivers of paediatric patients with SCD using SPSS.
- Drafted the discussion section of the research paper.

COURSE PROJECTS

21081 Cognition **Fast Movement in Relation to Animacy Effects in Episodic Memory** (2021 Fall)
- Investigated the effect of fast movement on animacy effect by testing word recall by participants. Collected data from more than 200 participants.
- Tidied data and conducted ANOVA analyses on results, produced a 7-page full report.

10711 Social Psyc **Basic Needs Satisfaction on Social Networking Sites – Scales Development** (2021 Spring)
- Tidying, analysing, and conducting reverse scoring on more than 500 lines of data.

21012 Perception **Helmholtz Illusion in Interior Design Context** (2021 Fall)
- Utilised VR-based websites to test whether direction of wallpaper stripes affect perception on room size. Collected data from 10 participants on Zoom.

21701 Intro to Social Psyc **Discrimination towards Gay People in Video Interviews** (2020 Fall)
- Collected data on Zoom by showing a video of either homosexual or heterosexual man participating an interview to 10 participants.

VOLUNTEER

Sept. 2022 - Present **University of Manchester – Buddy Scheme Mentor**
- Applied professional knowledge of mental health and counselling into practice, provided one-to-one mental health support for first year students.
- Supported underrepresented first-year students by providing research advice, academic writing workshops, etc.

June. 2022 - Present	**University of Manchester – Peer Mentor**
	• Provided continuous academic and life support for a group of mentees (20 people)
	• Designed academic writing sessions (APA reference, essays and lab reports) and provided writing samples.
June. 2022 – Present	**Under-represented Student Perspective Panel**
	• Leveraged my personal perspective as an Asian female student to shed light on potential biases and challenges faced, offering tangible solutions.
	• Spearheaded discussions and initiatives focused on improving the representation and inclusivity of diverse voices in academic, social, and policy-making platforms.

SKILLS

- Statistics Analyses: MPlus (Latent Profile Analysis and Dynamic Structural Equation Model), SPSS, Excel
- Programming: R packages and Python (certificates achieved on DataCamp)
- Languages:
  - English: IELTS 8.0, GRE Verbal 157, Quantitative 164, Analytical Writing 4.5
  - Chinese: Native

References available upon request

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