

THE DEVELOPMENTAL SCIENCE LABORATORY

<https://psychology.louisiana.edu/research/research-labs/developmental-science-laboratory-dsl>

Rooms 236 (Observation Room) and 238 (Operation Room)
The Cecil J. Picard Center for Child Development and Lifelong Learning
200 E Devalcourt St, Lafayette, LA 70506



About Us

The Developmental Science Laboratory (DSL) consists of a team of interested faculty and students from the Psychology Department at the University of Louisiana at Lafayette, who share similar passion for examining developmental processes across the life span. Researchers in this lab take an interdisciplinary approach in order to examine the complexity of adjusted and maladjusted developmental processes appropriately.

Supervising Faculty

Hung-Chu Lin, Ph.D.
Professor of Psychology
SLEMCO/LEQSF Regents Endowed Professor in Liberal Arts
POI Sponsored Collaborator, Pediatric Newborn Medicine,
Brigham and Women's Hospital, Harvard Medical School

Collaborators

- [The Developmental Risk and Cultural Resilience Laboratory, Newborn Medicine, Brigham and Women's Hospital, Harvard Medical School](#)
- [The Cecil J. Picard Center for Child Development and Lifelong Learning](#)
- [College of Behavioral, Social, and Health Sciences, Clemson University](#)
- Cognitive Science of Language & Education Lab, Department of Psychological Science, the University of Texas Rio Grande Valley
- The UL Lafayette ACEs (Adverse Childhood Experiences) Task Force
- The College of Nursing and Allied Health Professions, UL Lafayette
- The School of Computing and Informatics, UL Lafayette
- The Sociology Department, UL Lafayette
- [Better Options Initiative, Inc.](#)

Current Research Projects

1. *The long-term physical and mental sequelae of adverse childhood experiences*
2. *The relation between adverse childhood experiences and sexual self-esteem*
3. *The relation between development of empathy and understanding of theory of mind*
4. *Preschoolers' responses to social partners' distress: The effects of familiarity with social partners*
5. *The temporal relations between acoustic features of infant cry sounds, cry perception, and emotional responding*
6. *Empathy and judgment towards bystander intervention in an emergency situation*
7. *Social stigma towards developmental disabilities*

Lab Equipment and Setup

The DSL is equipped with a system that allows student researchers to observe and record human behavior and then to analyze those behaviors at various levels, from macroscopic overviews to micro-behavioral analysis on a frame-by-frame basis.

The Instructional and Scientific Equipment Grants (awarded to Dr. Hung-Chu Lin in 2007 and 2008) have assisted in the successful establishment of a laboratory that allows behavioral analysis at the microanalytic level. Structured or semi-structured experimental procedures are conducted in the Observation Room, equipped with video cameras and a highly sensitive audio recorder mounted on the walls inputting audio and video information into the central working station in the Operation Room. The state-of-the-art coding software Observer XT with Video Module permits recording and coding of behaviors at a frame-by-frame basis. In addition, the SPSS statistical software along with the JMP program provide a powerful set of univariate and multivariate analytical tools to perform both basic and advanced statistical analysis.

The DSL provides the opportunity to experience this level of sophisticated research (for example, being able analyze the dynamics of group interaction or integrating physiological indices with behavior in real time). The system is currently being used for coding many different research projects and can be accessed by student on a daily basis. The nature and methodology of this technology brings enriching learning experiences to students that far surpass those that students gain from other types of research (e.g., questionnaires). We have found that this technology and research paradigm fosters and motivates students' learning and growth in ways which cannot always be achieved in a traditional classroom setting. In addition, the software and facility allows for the recording and evaluation of psychotherapy sessions, as a component of training psychotherapists, which will benefit any member of the student body needing supportive psychotherapy.

Students who have used the facility at the DSL often comment that they did not understand how exciting psychological research could be until they had the chance to see and work with this technology at the DSL. Working with this technology and

learning the associated skills enables our students to become more competitive candidates for graduate school. In the past, research using the system has been presented at prestigious national and international conferences (Canada, 2013; Germany, 2014; Spain, 2015), including work that was presented by students. This exposure to research activities of psychologists from different parts of the world inspires our students to venture out for innovative thinking and study.

Equipment Description

Media Recorder

The Media Recorder from Noldus Information Technology Inc. enables synchronous video recordings from up to four different video and audio sources. Compatible with The Observer® XT, FaceReader™, and a broad range of cameras, it is the ideal recording tool. Media Recorder enables us to combine different videos in one study. It is at the core of the lab and offers precision and flexibility in video recording and synchronization. Media Recorder can also be used as a stand-alone tool to make recordings and analyze those later, particularly if we are importing recordings from off-site projects. This increases the flexibility of the system, and increases the number of students who can utilize the program in projects and research.

H264 Video Digitizer Board for Media Recorder

This hardware component in the CPU allows the data from the four video cameras to be translated from analog to digital data for use in the Observer XT software program. It includes Euresys H264 Video Capture Card that receives the analog data from the cameras and microphones. Without this component, the video data from the cameras and the audio data from the microphones cannot be accessed with a computer. This component enables also split screen viewing of both cameras at the same time, enabling better understanding of micro-behaviors. This is the component that enables faculty to pull video clips of behavior to include in power point presentations for their classes.

The Observer XT 14.0 : Media Module

The Observer® XT is the professional and user-friendly event logging software for the collection, analysis, and presentation of observational data. The Observer XT supports the entire workflow of a research project: from setting up the experiment, design of a coding scheme, and data gathering, to data analysis and presentation. This is the program that students use to create coding schemes, to code the video and audio data, to do elementary data processing, and to create portions of presentations for conferences. This program is so user friendly that a novice can be trained to use it productively in just a few hours, and so powerful that it is considered the gold standard for observational research in the field of psychology. There is no other program that is comparable.

Dell Precision Desktop Computer

This CPU is specifically formatted for the Observer XT and comes with an advanced graphics card (Nvidia Quadro K620 2GB) and the advanced video card (H.264

Professional Mpeg Encoder Board/Framegrabber) to enable the functions of the Observer XT 12.5. It comes with the software pre-installed and tested prior to delivery.





Experiments conducted in the Observation Room examining preschoolers' social emotional and cognitive development.

Left: Parent-child dyad during normal interaction session.

Right: Student researcher testing a child's perspective taking.



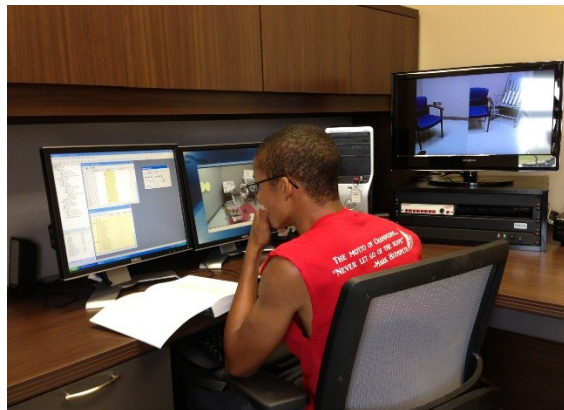
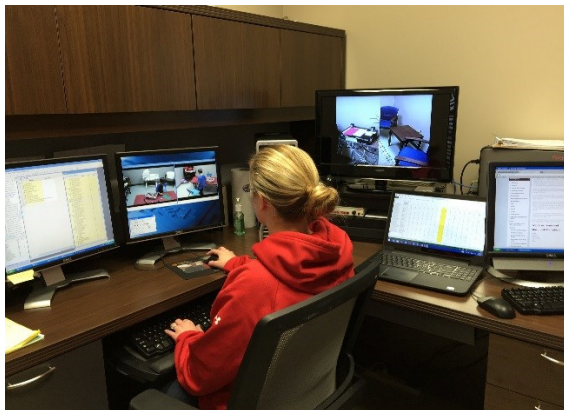
Left: Student researcher conducting false belief test examining preschoolers' understanding of theory of mind.

Below: Student researchers observing experiment in session from the operation room.



Below: Student researchers coding behaviors using the Observer XT software program.

Two of the cameras from the Observation Room send images to the split-screen monitor. The Observer XT coding software can play two images synced in time, allowing analysis of dyadic interaction on a frame-by-frame basis.



Lab Activities

Students (both graduate and undergraduate) involve in developing research initiatives, designing experiment, recruiting participants, scheduling experiments, conducting research procedures, organizing data, data analysis, and manuscript preparation. As a committee member serving on the Institutional Review Board (IRB) at the UL Lafayette, Dr. Hung-Chu Lin ensures that students working in the lab take appropriate considerations for the rights and benefits of both child and adult participants. Each of them is required to understand and be familiar with the procedures involved to obtain the IRB approval for a research project. Further, each of them is required to go through the self-paced online Protection of Human Research Subjects training offered by the National Institutes of Health.

The DSL does not recruit students based on their GPA's or academic performance. Faculty embraces students who demonstrate interest in research and show strong motivation and commitment to the learning process. I have witnessed several students who came in with low GPA's, yet after exposing themselves to lab experiences at the DSL for some time, transformed into students with exceptional task efficiency and motivation to learn. Reassuringly, their academic performance, in turn, showed a tremendous improvement.

Lab members meet regularly on Friday afternoons. We usually begin with reflection and discussion on various aspects of projects currently undertaken at the lab. We brainstorm methods to solve problems we face in certain projects and refine experimental procedures

to ensure rigorous control for variables under study. A session of literature review would often follow, critically critiquing the information as relevant to our current projects. We include different psychological perspectives to advance and widen our knowledge base to examine complex developmental processes. Further, we relate the discussion to our daily life experiences and to our future directions in career development and personal growth. The meetings are usually followed by experimental sessions. Students get the first-hand experiences to interact with participants and conduct experiment, closely following the carefully designed protocols. Some of the students have been chosen to conduct laborious and strenuous behavioral coding based on their schedules and career goals. These students spend averagely 10 hours per week working on the coding and data analysis in the lab. It is evident (as shown in part in the attached lab pictures) that they are not only learning diligently at the lab, but also having a great deal of fun.

During the literature discussions and experimental sessions, faculty attends closely to each student's skills in task efficiency, information processing, and communicative style and effectiveness. Base on the understanding of each student's learning styles, faculty tailors their approach to provide guidance and support helping individual students develop their research competence and career plans.

In addition to research activities, we also take time to support each other and celebrate life events.







Conferences and Student Achievements

Students working in the DSL have excelled in several regional, national, and international conferences. At the conference, there are numerous opportunities for students to be exposed to cutting-edge research and connect with researchers from different parts of the world. This is one of the best opportunities to expose student researchers to the world of research and encourage them to become innovative in their research. Attending a conference like this definitely provides a means for me to bring my teaching and modeling as a researcher to a level far beyond what I can normally accomplish within a classroom or laboratory setting.



We rocked at the Louisiana Undergraduate Research Conference, Fall 2019, at UL Lafayette, presenting four posters!

Madalynn's friend, Madalynn Bourque, Maddison Knott, Victoria Morck, Meghan Broussard, Callie Pitre, MiKaila Kinsland, Nicholas Barker, Hung-Chu Lin, Sara Flynn, Lindsey Held, Madison Holmes, DeAndra Edwards, Hunter Harrington, DeAndra's friend, Hunter's friend (from left to right).



Supported by the Undergraduate Research Mini Grant awarded to Dr. Hung-Chu Lin (2018), five students presented at the 31th Convention of the Association for Psychological Science, May 24-27, 201, Washington, D.C., USA.

Nicholas Barker, Steven Stringfellow, Hung-Chu Lin, Lindsey Held, Madison Holmes, Maddison Knott (from left to right).



Supported by the Undergraduate Research Mini Grant awarded to Dr. Hung-Chu Lin (2018), five students presented at the 30th Convention of the Association for Psychological Science, May 24-27, 2018, San Francisco, CA, USA.

Steven Stringfellow, Ashley Hughes, Lauren LaHaye, Hung-Chu Lin, Julie Arceneaux, and MiKaila Kinsland (from left to right).



We had so much fun presenting at the Louisiana Undergraduate Research Conference, Fall 2018, at UL Lafayette.

Bailey Latiolais, Madison Holmes, Lauren LaHaye, Ashley Hughes, Hung-Chu Lin, Maddison Knott, Lindsey Held, Krista Malley, Sarah Flynn, Steven Stringfellow, and Nicholas Barker (from left to right).



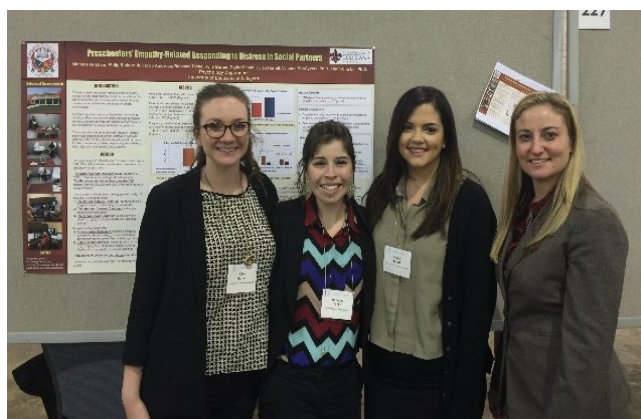
Maddison Knox, Holly Monk, Ashley Hughes, Julia Arceneaux, Steven Stringfellow, Hung-Chu Lin, and Nicholas Barker (from left to right) presenting at the Louisiana Undergraduate Research Conference, 2017, at UL Lafayette.



CammieJo Touchet, Demi Leleux, Jacob Ambrose, Ashley Hughes, Sophie Comeaux, Steven Stringfellow (from left to right) presenting at the Louisiana Undergraduate Research Conference, 2016.



Ashley Hughes, Demi Leleux, Wai Ying Chan, Kyla Louviere, and Rebecca Tacke (first row from left to right) presenting at the 2016 International Congress on Infant Studies, New Orleans, LA, .



Left: Kylie Garber, Rebecca Tacke, Taylor Schaff, and Michelle Grisham (from left to right) presenting at the Biennial Meeting of the Society of Research on Child Development (SRCD), Philadelphia, PA, 2015.



Right: Philip Richard and Taylor Schaff presenting at the Society for Research in Human Development Biennial Meeting, Austin, Texas, 2014.

Student Conference Awards

- The presentation by Allison Roy, Lauren Brooks, and Danielle Barns at the Undergraduate Research Conference (2021) was selected by the Student Center for Research, Creativity, & Scholarship as one of the five undergraduate students' research to represent the University of Louisiana at Lafayette to attend the University of Louisiana System's Academic Summit (April 7-8, 2022). Title: *The Association between Adverse Childhood Experiences and Depression*.
- Aidan Guidry's presentation at the Undergraduate Research Conference (2021) was chosen by the Student Center for Research, Creativity, & Scholarship as one of the three undergraduate students' research to display at the Grand Celebration of UL Lafayette's R1 Status (2/23/2022). Title: *Stress, Loneliness, and Suicidality During the COVID-19 Pandemic*
- Wade Johnson's presentation at the Undergraduate Research Conference (2020) was selected by the Student Center for Research, Creativity, & Scholarship as one of the three undergraduate students' research to represent the University of Louisiana at Lafayette to attend the University of Louisiana System's Academic Summit (March 26, 2021). Title: *How autism awareness interacts with empathic concern to predict stigma towards autism spectrum disorder*.
- Madeline Jones and Maddison Knott's submission to the 2021 SWPA Convention (San Antonio, Texas) was elected as a Finalist for the SWPA Student Research Competition Awards. Title: *Specific ACEs items relate to mental and physical symptoms and attachment insecurity*
- Ashley Hughes's submission to the 2018 SWPA Convention (in Houston, Texas) received a Psi Chi SWPA Regional Research Award and was elected as a Finalist for the Psi Chi Regional Research Award Competition. Title: *Dispositional qualities behind behaviors in response to socially rejecting moments*.
- Philip Richard received the 2014 International Travel Award for Undergraduate Research (in the amount of \$1,000) offered by the XIX Biennial International Congress on Infant Studies, Berlin, Germany.

Richard, P., Lin, H.-C., Søndergaard, S., Bourque, J., LaGrange, A., Schaff, A. (2014, July). *Cognitive empathy and social inhibition predict preschool girls' self-oriented behaviors in response to infant crying*. Presented at the XIX Biennial International Conference on Infant Studies, **Berlin, Germany**.

- Joshua Landry won the 2nd place at the state level for the Undergraduate Research Competition at the Louisiana Psychological Association's 2012 Annual Convention.

Landry, J., Lin, H.-C., & Cech, C. (2012, April). *A time course study of perception and emotions in response to infant crying*. Presented at the Louisiana Psychological Association's 2012 Annual Convention. Baton Rouge, Louisiana.

DSL Outstanding Graduates

Madeline Jones was selected as the SP 2022 recipient of the **Richard G. Neiheisel Phi Beta Kappa Outstanding Master's Graduate Award** – the oldest honor society in the country and, at each Fall and Spring commencement, our chapter presents this honor to a master's student with at least a 3.6 GPA who is graduating with classical Arts and Sciences degree (including, here at UL Lafayette, degrees in Music, History, English, French, Psychology, Biology, Geology, Mathematics, and Physics). Madeline was also nominated for the **Outstanding Graduate Teaching Assistant Award**.



Wade Johnson

Wade is the Fall 2021 Outstanding Graduate of the College of Liberal Arts and he also is the recipient of the Fall 2021 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette.



Photo taken with Dr. Hung-Chu Lin at the 2010 Psi Chi Induction Night

Lindsey Held

Lindsey received the Fall 2019 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette

Lindsey served the DSL as the Lab Manager for the 2019 academic year.



Madison Holmes (left)

Madison received the Spring 2020 Outstanding Graduate of the Psychology Department at UL Lafayette.

Maddison Knott (right)

Maddison received the Fall 2019 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette.

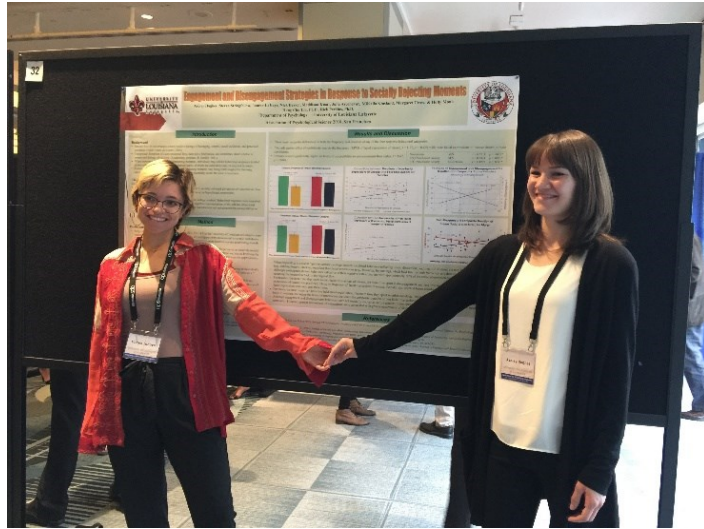


Ashley Hughes (right)

Demi received the Fall 2018 Psychology Star Award in the Psychology Department at UL Lafayette

Lauren LaHaye (left)

Lauren LaHaye received the Fall 2018 Psychology Star Award in the Psychology Department at UL Lafayette



Demi Leleux (left)

Demi received the Spring 2017 Outstanding Graduate for the Psychology Department at UL Lafayette

Cammie-Jo Touchet (right)

Cammie-Jo received the Spring 2017 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette

**Jacob Ambrose
(McNair Scholar)**

Jacob received the Fall 2016
Hait-Lewis Award for
Academic Excellence in the
Psychology
Department at UL Lafayette

*Photo taken with Dr. Hung-Chu Lin
at the 2016 Psi Chi Induction Night*



Kylie Garber was selected as one of the 12 recipients of the prestigious **American Psychological Association's Summer Science Fellowship (SSF)**. The competitors included more than 400 students with exceptional qualifications from across the United States. Kylie traveled to George Mason University in summer, 2015 and obtained hands-on experience conducting cutting-edge research with some nationally-renowned researchers in psychology. Kylie is the recipient of both the following:

1. Fall 2015 Outstanding Graduate for the Psychology Department at UL Lafayette
2. Fall 2015 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette

Philip Richard (McNair Scholar) was the recipient of the following awards / fellowships:

1. The Huel D. Perkins Diversity Fellowship (2015)
2. The Southern Regional Education Board (SREB) Doctoral Fellowship (2015)
3. The 2014 International Travel Award for Undergraduate Research (in the amount of \$1,000) offered by the XIX Biennial International Conference on Infant Studies, Berlin, Germany (previously mentioned)
4. Fall 2014 Outstanding Graduate for the Psychology Department at UL Lafayette
5. Fall 2014 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette



Photo taken with Dr. Hung-Chu Lin at the 2015 Psi Chi Induction Night



Jasmine Ambrose

Jasmine received the Spring 2012 Hait-Lewis Award for Academic Excellence in the Psychology Department at UL Lafayette

In the Media

Aidan Guidry: Chosen by the College of Liberal Arts to be interviewed by KRVS Radio Station (10/5/2021) to highlight experiences with research as an undergraduate on behalf of the Psychology Department and the College of Liberal Arts

Peer-Reviewed Publications with Student Coauthors

- Lin, H.-C., & Janice, J. (2020). Disengagement is as revealing as prosocial action for young children's responding to strangers in distress: How personal distress and empathic concern come into play. *International Journal of Behavioral Development*, 1-10. <https://doi.org/10.1177/0165025420912015>
- Flynn, N. S., Harrington, J. H., Knott, K. M., & Lin, H.-C. (2020). Job satisfaction in direct support professionals: Associations with self-efficacy and perspective-taking. *Societies*, 10(2), 44. <https://doi.org/10.3390/soc10020044>
- Lin, H.-C., Bourque, J., Zeanah, P., & McFatter, R. (2018). Perceptions of stress and enrichment in caregivers of children with autism spectrum disorder: Implications for community support. *Societies*, 8(3), 88. <https://doi.org/10.3390/soc8030088>
- Lin, H.-C., & Grisham, M. (2017). Distressed yet empathically sensitive: Preschoolers' responses to infant crying. *Infant Behavior and Development*, 49, 46-49.
- Lin, H.-C., Manuel, J., McFatter, R., Cech, C. (2016). Changes in Empathy-Related Cry Responding as a Function of Time: A Time Course Study of Adult's Responses to Infant Crying. *Infant Behavior and Development*, 42, 45-59.
- Bethell, L., Lin, H.-C., & McFatter, R. (2014). Embarrassment and empathy before helping: How internal working models come into play. *Motivation and Emotion*, 38, 131-139.

UL Lafayette Undergraduate Conference Proceedings with Student Coauthors

- Barker, N., Altintopark, N., & Lin, H.-C. (2018). Empathy-related responding to social others' distress in preschool years. *Proceedings of the 2017 Undergraduate Research Conference*, 1(17-18), 24-29.
- LaHaye, L., Hughes, A., Barker, N., Kinsland, M., Herbert, M., Knott, M., Lin, H.-C., & Perkins, R. (2018). Unease and reengagement in response to abrupt disruption of conversational flow. *Proceedings of the 2017 Undergraduate Research Conference*, 1(17-18), 89-92.
- Knott, M., LaHaye, L., Flynn, S., Stringfellow, S., & Lin, H.-C. (2018). Difficulty in emotion regulation as a moderator of the relation between adverse childhood experiences and depressive symptoms. Extended abstract submitted to the *Proceedings of the 2018 Undergraduate Research Conference*.
- Holmes, M., Kinsland, M., Barker, N., & Lin, H.-C. (2018). PTSD symptoms as a mediator of the relation between adverse childhood experiences and somatic symptoms. Extended abstract submitted to the *Proceedings of the 2018 Undergraduate Research Conference*.
- Hughes, A., Held, L., Malley, K., & Lin, H.-C. (2018). Difficulty in emotion regulation as a mediator of the relation between adverse childhood experiences and attachment insecurity. Extended abstract submitted to the *Proceedings of the 2018 Undergraduate Research Conference*.

Conference Presentations with Student Coauthors (All Peer Reviewed)

- Li, K., Barnes, D., Hasha, M., & Lin, H.-C. (2021). *The predictability of mindfulness on health outcomes above and beyond childhood trauma*. Poster proposal submitted to the 2022 Convention of the Southwestern Psychological Association, April 8 - 10, 2022, Baton Rouge, LA, USA.
- Guidry, A., Fant, P., & Lin, H.-C. *Resilience Mitigates the Association of Loneliness with Suicidality during the COVID-19 Pandemic*. Poster proposal submitted to the 2022 Convention of the Southwestern Psychological Association, April 8 - 10, 2022, Baton Rouge, LA, USA.
- Jones, M. M., & Lin, H.-C. (2021). *Religiosity impacts acceptability of gender expression and sexual orientation*. [Single Presenter Submission]. Accepted to present at the 2022 Society for Personality and Social Psychology Convention, February 16-19, 2022, San Francisco, CA, USA.
- Lin, H.-C., Storey, W., & Jeanis, M., Jones, M., Knott, M., Johnson, W., Derouen, O., & Fant, P. (2021). *The Association of Adverse childhood experiences with anxiety: The moderating role of stress*. Poster presented at the 2021 SRCD Virtual Biennial Meeting, April 7-9, 2021.
- Lin, H.-C., Bisson, J., & Johnson, W. (2021). *Autism awareness interacts with empathic concern in reducing stigma of autism*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Bisson, J., Lin, H.-C., & Johnson, W. (2021). *Why knowledge matters: Factors associated with implicit and explicit stigma towards autism spectrum disorder*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Johnson, W., Knott, M., & Lin, H.-C. (2021). *Romantic attachment security in college students buffers the impact of stress on anxiety symptoms during the COVID-19 pandemic*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Li, K., Lahman, B., Patel, T., Guidry, A., & Lin, H.-C. (2021). *Differential associations of childhood adversity with health outcomes of two generations*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Jones, M. M., Li, M., & Lin, H.-C. (2021). *How men's perceived non-conforming gender expression and sexual orientation affect social distance*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Capps, G., Jones, M. M., John, D., & Lin, H.-C. (2021). *Acceptability of gender expression depiction differs by political affiliation*. Poster presented at the Association of Psychological Science Virtual Convention, May 26-17, 2021.
- Lin, H.-C., Storey, W., & Jeanis, M., Knott, M., & Li, K. (2021). *How stress relates to somatic symptoms varies by attachment anxiety*. Poster presented at the 2021 Convention of the Southwestern Psychological Association, April 9-11, 2021, San Antonio, TX, USA.
- Lin, H.-C., Jones, M., Knott, M., Storey, W., & Jeanis, M. (2021). *Same amount of childhood Adversity but different health symptoms: Two-generation comparisons*. Poster presented at the 2021 Convention of the Southwestern Psychological Association, April 9-11, 2021, San Antonio, TX, USA.

- Jones, M., & Lin, H.-C. (2021). *Differences in men's perceived acceptability and non-conforming gender expression based on depiction*. Poster presented at the 2021 Convention of the Southwestern Psychological Association, April 9-11, 2021, San Antonio, TX, USA.
- Jones, M., Knott, M., & Lin, H.-C. (2021). Specific ACEs items relate to mental and physical symptoms and attachment insecurity. Graduate Student Research Competition presented at the 2021 Convention of the Southwestern Psychological Association, April 9-11, 2021, San Antonio, TX, USA.
- Li, K., & Lin, H.-C. (2021). *Buffering effects of resilience, social support, and Koru Mindfulness on Childhood Adversity*. Poster presented at the 2021 Convention of the Southwestern Psychological Association, April 9-11, 2021, San Antonio, TX, USA.
- Johnson, W., Pitre, C., Travis, A., Bellard, M., Lin, H.-C. (2021). *The associations of autism awareness and empathy with sigma of autism spectrum disorder*. Poster presented at the Undergraduate Research Conference, November 4, 2021, Lafayette, LA, USA.
- Kinsland, M., Jones, M. M., & Lin, H.-C. (2021). *Acceptability of non-conforming gender expression and sexual orientation by religious affiliation*. Poster presented at the Undergraduate Research Conference, November 5, 2021, Lafayette, LA, USA.
- Guidry, A., & Lin, H.-C. (2021). *Stress, loneliness, and suicidality during the COVID-19 pandemic*. Poster presented at the Undergraduate Research Conference, November 5, 2021, Lafayette, LA, USA.
- Barnes, D., Brooks, L., Roy, A., Li, K., & Lin, H.-C. (2021) *The Association between Adverse Childhood Experiences and Depression*. Presented at the Undergraduate Research Conference, November 5, 2021, Lafayette, LA, USA.
- Lin, H.-C., Barker, N., & Knott, M. (2020). *Disengaging from distress in adult and infant strangers: Rethinking the role of personal distress in young children*. Poster virtually presented at the XXII Virtual International Congress on Infant Studies, July 6-9, 2020, originally planned to be held in Glasgow, Scotland, UK.
- Jones, M., Zeanah, P., & Lin, H.-C. (2020). *Stress moderates the impacts of anxious attachment on depression, anxiety, and somatic symptoms*. Zoom poster session presented at the 2020 Convention of the Louisiana Psychological Association, October 30, 2020, New Orleans, LA.
- Pitre, C., Zeanah, P., & Lin, H.-C. (2020). *Gender differences in the relation between job satisfaction and physical symptoms in support professionals*. Zoom poster session presented at the 2020 Convention of the Louisiana Psychological Association, October 30, 2020, New Orleans, LA.
- Knott, M., Flynn, S., Zeanah, P., & Lin, H.-C. (2020). *The moderating role of emotion regulation in the relation between self-efficacy and depressive symptoms*. Zoom poster session presented at the 2020 Convention of the Louisiana Psychological Association, October 30, 2020, New Orleans, LA.
- Harrington, H., Flynn, S., Zeanah, P., & Lin, H.-C. (2020). *The relation between self-efficacy and intrinsic job satisfaction with perspective taking as a moderator in direct support professionals*. Zoom poster session presented at the 2020 Convention of the Louisiana Psychological Association, October 30, 2020, New Orleans, LA.

- Johnson, W., Knott, M., Flynn, S., Zeanah, P., & Lin, H.-C. (2020). *Examining the role of stress in the relation between self-efficacy and anxiety symptoms in caregivers*. Zoom poster session presented at the 2020 Convention of the Louisiana Psychological Association, October 30, 2020, New Orleans, LA.
- Flynn, S., Madalynn, B., Holmes, M., Barker, N., & Lin, H.-C. (2020). *Anxiety symptoms in professionals supporting individuals with disabilities: Associations with self-efficacy and stress*. Poster virtually presented at the 32nd Annual Convention of the Association of Psychological Science, May 21-24, 2020, originally planned to be held in Chicago, IL, USA.
- Harrington, H., Held, L., Flynn, S., Edwards, D., & Lin, H.-C. (2020). *Job satisfaction in direct support professionals: Associations with self-efficacy and perspective-taking*. Poster virtually presented at the 32nd Annual Convention of the Association of Psychological Science, May 21-24, 2020, originally planned to be held in Chicago, IL, USA.
- Knott, M., Flynn, S., Broussard, M., Morck, V., & Lin, H.-C. (2020). *Depressive symptoms in direct support professionals: Associations with emotion regulation and self-Efficacy*. Poster virtually presented at the 32nd Annual Convention of the Association of Psychological Science, May 21-24, 2020, originally planned to be held in Chicago, IL, USA.
- Kinsland, M., Flynn, S., Pitre, C., Barker, N., Holmes, M., & Lin, H.-C. (2020). *Physical symptoms in direct support professionals: Association with job satisfaction by gender*. Poster virtually presented at the 32nd Annual Convention of the Association of Psychological Science, May 21-24, 2020, originally planned to be held in Chicago, IL, USA.
- John, D. A., Hunter, G. P., Lin, H.-C., Brown, A. L., Zeanah, P., & Li, M. (2020). *From Childhood Adversity to Emotion Regulation Difficulty through Attachment Insecurity*. Poster accepted to the 66th Southeastern Psychological Association Annual Meeting, April 1-4, 2020, New Orleans, Louisiana, USA. (Conference cancelled).
- Flynn, S., Bourque, M., Holmes, M., Barker, N., & Lin, H.-C. (2020). *The Associations between self-efficacy, stress, and anxiety symptoms in direct support professionals*. Poster to be presented at the 2020 Convention of the Southwestern Psychological Association, April 3-5, Frisco, TX, USA. (Conference cancelled).
- Flynn, S., Barker, N., Pitre, C., Kinsland, M., Holmes, M., & Lin, H.-C. (2020). *Gender differences in job satisfaction and physical symptoms in direct support professionals*. Poster to be presented at the 2020 Convention of the Southwestern Psychological Association, April 3-5, Frisco, TX, USA. (Conference cancelled).
- Flynn, S., Knott, M., Broussard, M., Morck, V., Barker, N., Holmes, M., & Lin, H.-C. (2020). *Emotion regulation and self-efficacy in relation to depressive symptoms in support professionals*. Poster to be presented at the 2020 Convention of the Southwestern Psychological Association, April 3-5, Frisco, TX, USA. (Conference cancelled).
- Flynn, S., Held, L., Harrington, H., Edwards, D., Holmes, M., Barker, N., & Lin, H.-C. (2020). *Self-efficacy and perspective taking in relation to job satisfaction in support professionals*. Poster to be presented at the 2020 Convention of the Southwestern Psychological Association, April 3-5, Frisco, TX, USA. (Conference cancelled).

- Pitre, C., Derouen, O., Li, K., Storey, W., Jeanis, M., & Lin, H.-C. (2020). *Intergenerational continuity of adverse childhood experiences*. Poster presented at the Undergraduate Research Conference, November 9, 2020, Lafayette, LA, USA.
- Knott, M., Guidry, A., Storey, W., Jeanis, M., & Lin, H.-C. (2020). *Differences in adverse childhood experiences, attachment insecurity, and their association between two generations*. Poster presented at the Undergraduate Research Conference, November 9, 2020, Lafayette, LA, USA.
- Kinsland, M., Lahman, B., Frey, O., Storey, W., Jeanis, M., & Lin, H.-C. (2020). *Childhood adversity and well-being: Differences between college students and their primary caregivers*. Poster presented at the Undergraduate Research Conference, November 9, 2020, Lafayette, LA, USA.
- Harrington, H., Fant, P., Jones, M., Jeanis, M., & Lin, H.-C. (2020). *The association of adverse childhood experiences with anxiety symptoms varies with perceived level of stress*. Poster presented at the Undergraduate Research Conference, November 9, 2020, Lafayette, LA, USA.
- Johnson, W., Knott, M., Jones, M., Jeanis, M., & Lin, H.-C. (2020). *Stress shapes the associations of attachment anxiety with depression, anxiety, and somatic symptoms*. Poster presented at the Undergraduate Research Conference, November 9, 2020, Lafayette, LA, USA.
- Bourque, M., Holmes, M., Flynn, S., & Lin, H.-C. (2019). *General self-efficacy predicting anxiety symptoms through stress in direct support professionals*. Poster presented at the Undergraduate Research Conference, November 22-23, 2019, Lafayette, LA, USA.
- Barker, N., Pitre, C., Kinsland, M., Flynn, S., & Lin, H.-C. (2019). *Gender as a moderator for the association of job satisfaction and physical symptoms in direct support professionals*. Poster presented at the Undergraduate Research Conference, November 22-23, 2019, Lafayette, LA, USA.
- Knott, M., Broussard, M., Morck, V., Flynn, S., & Lin, H.-C. (2019). *General self-efficacy interacts with difficulty in emotion regulation predicting depressive symptoms*. Poster presented at the Undergraduate Research Conference, November 22-23, 2019, Lafayette, LA, USA.
- Held, L., Harrington, H., Edwards, D., Flynn, S., & Lin, H.-C. (2019). *Perspective taking as a moderator between self-Efficacy and intrinsic job satisfaction in a sample of direct support professionals*. Poster presented at the Undergraduate Research Conference, November 22-23, 2019, Lafayette, LA, USA.
- Lin, H.-C., Held, L., & Malley, K. The Associations between adverse childhood experiences, emotion regulation, and adult distress symptoms. Poster proposal accepted to be presented at the 2019 International Convention of Psychological Science, March, 7-9, 2019, Paris, France.
- Lin, H.-C., McDermott, M., Zeanah, P., & Held, L. (2019, March). Posttraumatic stress disorder in the association between childhood trauma and somatic symptoms. Poster proposal accepted to be presented at the 2019 SRCD Biennial Meeting, March 21-23, 2019 in Baltimore, Maryland, USA.
- Lin, H.-C., Knott, M., LaHaye, L., Flynn, S., Stringfellow, S. Latiolais, B., & Holmes, M. (2019, May). Difficulty in emotion regulation exacerbates the association of adverse

childhood experiences with depressive symptoms. Poster proposal accepted to the 31st Convention of the Association for Psychological Science, May 23-26, 2019, Washington D.C., USA.

- Lin, H.-C., Hughes, A., Held, L., Malley, K., Kinsland, M., & Barker, N. (2019, May). The role of difficulty in emotion regulation in the association of adverse childhood experiences with attachment insecurity. Poster proposal accepted to the 31st Convention of the Association for Psychological Science, May 23-26, 2019, Washington D.C., USA.
- Lin, H.-C., Altintoprak, N., & Barker, N. (2018). *Distress and disengagement in response to distress in adult and infant strangers: How empathic concern comes into play*. Poster presented at the XXI Biennial Congress of the International Congress on Infant Studies, June 30 – July 3, 2018, Philadelphia, PA.
- Hughes, A., Stringfellow, S., LaHaye, L., Barker, N., Knox, M., Arceneaux, J., & Kinsland, M., Perkins, R., & Lin, H.-C. (2018). Engagement and disengagement strategies in response to socially rejecting moments. Poster presented at the 30th Convention of the Association for Psychological Science, May 24-27, 2018, San Francisco, CA, USA.
- Hughes, A., Stringfellow, S., & Lin, H.-C. (2018). *Dispositional qualities behind behaviors in response to socially rejecting moments*. Paper presented at the 2018 Conference of the Southwestern Psychological Association, April 13-15, 2018, Houston, TX, USA.
- Holmes, M., Kinsland, M., Barker, N., & Lin, H.-C. (2018). PTSD symptoms as a mediator of the relation between adverse childhood experiences and somatic symptoms. Poster presented at Undergraduate Research Conference, November, 16-17, 2018, Lafayette, LA, USA.
- Hughes, A., Held, L., & Lin, H.-C. (2018). Difficulty in emotion regulation as a mediator of the relation between adverse childhood experiences and attachment insecurity. Poster presented at Undergraduate Research Conference, November, 16-17, 2018, Lafayette, LA, USA.
- Lin, H.-C., Zeanah, P., Yang, Y., MacGyvers, V., & Richard, T. (2017). *The association between adverse childhood experiences and adult sexual self-esteem through attachment working models*. Presented at the 2017 Biennial Meeting of the Society of Research in Child Development, April 6-8, 2017, Austin, TX, USA.
- Ambrose, J. J., Lin, H.-C., Leleux, D., Touchet, C., Chan, W.-Y., Hughes, A., Pefferkorn, C., Comeaux, S., Stringfellow, S., LaHaye, L., & Perkins, R. (2017). *Behavioral responses to disruption of conversational flow*. Presented at the 29th Convention of the Association for Psychological Science, May 25-28, 2017, Boston, MA, USA.
- Lin, H.-C., Yang, Y., McFatter, R., & Richard, P. *Criminal Offenders' Dispositional Empathy, Perceived Parental Bonding, and Attachment Dimensions*. Poster presented at the 28th APS Annual Convention, May 26-29, 2016, in Chicago, IL, USA.
- Grisham, M., Lin, H.-C., MacGyvers, V., Yang, Y., Tacke, R., Leleux, L., Garber, K., Harrell, D., & Richard, T. (2016, May) *To Engage or Disengage in an Infant Distress Situation? Preschoolers' Dispositions in Empathy and Social Inhibition Tell a Story*. Poster presented at the XX Biennial International Conference on Infant Studies New Orleans, LA.

Grisham, M., Lin, H.-C., MacGyvers, V., Yang, Y., Tacke, R., Leleux, L., Garber, K., Harrell, D., & Richard, T. (2016, May). *Distressed Yet Empathically Sensitive: the Organization of Preschoolers' Behavioral Responses to Infant Crying*. Poster presented at the XX Biennial International Conference on Infant Studies New Orleans, LA.

MacGyvers, V., Richard, T., Harrell, D., Jensen, A., Grisham, M., Garber, K., Tacke, R., Yang, Y., Lin, H.-C. (2016, May). *People's Attitudes towards Public Breastfeeding: Individual Variability*. Poster presented at the XX Biennial International Conference on Infant Studies New Orleans, LA.

Dick, S. J., MacGyvers, V. L., Lin, H.-C., Grisham, M., Tassin, J., Krueger, J (2015, November). *Integrated Music: Effects on Academic Growth in Impoverished Preschoolers. A research report*. Poster presented at the Annual Conference of the National Association for the Education of Young; Orlando, FL.

Grisham, M., Lin, H.-C., Richard, P., Tacke, R., Ambrose, J., MacGyvers, V., Garber, K., Schaff, T., Lin, H.-C., McFatter, R., (2015 May) *Dispositional Empathy and Social Inhibition Correlate with Preschoolers' Responses towards Social Others' Distress*. Poster presented at the 27th APS Annual Convention in New York, NY.

Grisham, M., Lin, H.-C., Richard, P., Tacke, R., Ambrose, J., MacGyvers, V., Garber, K., Schaff, T. (2015, March) *Correlates of preschoolers' empathy-related responding to social others' distress*. Poster presented at the 2015 Society of Research in Child Development, Philadelphia, PA.

Grisham, M., Lin, H.-C., Richard, P., Tacke, R., Ambrose, J., MacGyvers, V., Garber, K., Schaff, T. (2015, June) *Preschoolers' Empathy Related Responses to Distress in Social Partners*. Poster session presented at: From Research to Clinical Practice: Linking the Expertise. 16th International European Society for Child and Adolescent Psychiatry Congress, **Madrid, Spain**.

Dick, S. J., MacGyvers, V. L., Lin, H.-C., Grisham, M., Tassin, J., Krueger, J (2015). *Integrated music: Effects on academic growth in impoverished preschoolers. A research report*. A poster presented at the Annual Conference of the National Association for the Education of Young Children Annual Conference, November 18-21, 2015, Orlando, FL, USA.

Richard, P., Lin, H.-C., Søndergaard, S., Bourque, J., LaGrange, A., Schaff, A. (2014). *Cognitive empathy and social inhibition predict preschool girls' self-oriented behaviors in response to infant crying*. Presented at the XIX Biennial International Conference on Infant Studies, July, 2014, **Berlin, Germany**.

Richard, P., Lin, H.-C., Søndergaard, S., Bourque, J., LaGrange, A., Schaff, A. (2014). *The effect of familiarity on preschoolers' empathy towards distress in social partners*. Presented at the Association of Psychological Science Annual Convention, May, 2014, San Francisco, CA.

- Richard, P., Lin, H.-C., Søndergaard, S., Bourque, J., LaGrange, A., Schaff, A. (2014). *Preschoolers' empathic responses to social partners' distress*. Presented at the Society for Research in Human Development Biennial Meeting, March, 2014, Austin, TX, USA.
- Jeffery, E., Lin, H.- C., McFatter, R M., & MacGyvers, V.L. (2014, March) *The relations between parental depression, parenting stress, and child behavioral problems*. Society for Research in Human Development Biennial Meeting, Austin, TX.
- Lin, H.- C., MacGyvers, V., McFatter, R., & Bourque, J.(2013, May) *Enrichment in Parents of Children with Autism*. Poster presented at the 25th APS Annual Convention, Washington, D.C. Findings were also presented at the UL System Academic Summit Conference held in Monroe, LA, April, 2013.
- Lin, H.- C., & Bourque, J. (2013) Parenting stress in parents of children with autism. Findings were also presented at the UL System Academic Summit Conference held in Monroe, LA.
- Lin, H.-C., & Broussard, D. (2013, April). *Empathy, perception of parental bonding, and adult attachment in inmates and college students*. Presented at the 73rd Biennial Meeting for the Society for Research in Child Development, Seattle, Washington.
- Lin, H.-C., Cech, C., & Landry, J. (2012, April). *A time course study of perception and emotions in response to infant crying*. Presented at the Louisiana Psychological Association's 2012 Annual Convention. Baton Rouge, LA, USA.
- Bethell, L., Lin, H.-C., & McFatter, R. (2012, May). *Embarrassment and empathy and their relations to models of the self and others*. Presented at the 2012 APS Annual Convention, May 24 - 27, 2012 in Chicago, IL, USA.
- Lin, H.-C., Grant, S., & McFatter, R. (2011, April). *Parenting experiences in caregivers of children with autism*. Presented at the 73rd Biennial Meeting for the Society for Research in Child Development, **Montreal, Canada**.

Student Researchers at the DSL

Current Members (SP2022)

Aidan Guidry
 Allison Thomas
 Jaci Philliber (Biology major)
 Mia Guidry
 Addie Lalonde
 Alexis Funderburk
 Sydney Guidry
 Joy Martin
 Shriya Gaikwad
 Cantika Nasution

Kathie Li
Prynceton Fant

Alumni of the DSL

Camille Hollier (Biology major)
Lauren Brooks
Haylie Ahia (Biology major)
Marissa Bellard
Alayna Miller
Alison Roy
Amira Jackson
Brielle Jones
Danielle Barnes
Abriana Travis
Mikaila Kinsland
Callie Pitre
Wade Johnson
Alyssa Huddleston
Amira Jackson
Gabrielle Capps
Roze Dornellas
Lindsey Held
Maddison Knott
Madison Holmes
Nicholas Barker
Hunter Harrington
DeAndra Edwards
Steven Stringfellow
Meghan Broussard
Victoria Morck
Bethany Kolb Ian Bernard
Bonnie Lahman
Kelsey Lorraine
Kaityn craft
Mateo Chavez
Olivia Derouen
Madalynn Bourque (NURS)
Gabrielle Campbell
Chioma Obioha
Dinah Doucet
Sarah Lynn
Krista Malley
Lauren Matherne
Katlain Matthews

Bailey Latiolais
Ashley Hughes
Lauren LaHaye
Madeline Jones (PhD Program in Family and Developmental Science, University of Connecticut)
Kylie L Garber (PhD Program in Developmental Psychology, the Frank Porter Graham Institute of Child Development at the UNC Chapel Hill)
Philip Richard (PhD Program in School of Psychology, Louisiana State University)
Michelle E Grisham (PhD Program in Developmental Psychology, the Northern Illinois University)
Jacob J Ambrose (McNair Scholar) (PhD Program in Clinical Psychology, Alliant International University)
Demi J Leleux (PhD Program in Art Therapy, Drexel University)
Melanie Klin (PhD Program in Comparative Psychology, University of Chicago)
Wai Y Chan (Master's Program in Counseling Education, Louisiana State University)
Ashley R Legnon (Master's Program in Counseling Education, UL Lafayette)
Cammie-Jo E Touchet (Master's Program in Counseling Education, UL Lafayette)
Sophie N Comeaux (Master's Program in Social Work, Louisiana State University)
Taylor Schaff (Master's Program in Educational Psychology at the University of North Texas)
Josephine Janice (Curriculum Educator, Newport Children's School, Inc.)
Stephen Landry
Jessica Manuel (M.S., Specialist at the Therapy Center of Acadiana)
Janna Bourque (M.S., graduated from UL Lafayette Psychology Master's Program)
Elizabeth Jeffery (M.S., Instructor in Psychology at the South Louisiana Community College in New Iberia)
Ashley Schaff, M.S.
Danielle Broussard (McNair Scholar) (Southern University Law Center)
Felicia Faciane
Josh Landry
Lauren Ashe
Anna LaGrange
Jasmine Ambrose, M.S.W.
Jessica Asmar (Biology major)
Mie Turegano (M.S., Support Coordinator at Community Resource Center, Baton Rouge, LA)
Kelly Florane, M.S.W.
Rachel Heath
Hannah Carriere
Amy Guilbeau
Jennifer Venable
Leatha Anatole
Bronwyn Frederick
Jocelyn Potier
Nicholas Guillory
Amber Bux

Morgan Forman
Stinne Søndergaard, M.S.
Dylan L Harrell
Audra P Jensen
Tayler A Richard
Rebecca K Vance
Rebecca N Tacke (Master's Program in Psychology, UL Lafayette)
Alexandra M Hubbell
John R Jumonville
Kirsten Kidder
Kyla Louviere
Crystal N Pefferkorn
Kristen Petitjean
Brittany N Phillips
Gabrielle C Schexnailder
Megan E Silvio
Caroline A Strother
Patrick Conner
Edliyah Conner
Miranda Hebert