

Gabriel A. León

Curriculum Vitae

Neuroendocrinology of Social Ties (NEST) Laboratory

Department of Psychology
USC Dornsife College of Letters, Arts, and Sciences
University of Southern California
3620 South McClintock Avenue, SGM-501
Los Angeles, CA 90089, U.S.A.

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Pronouns: he/him/his

Education

- 2021 – **Ph.D. in Psychology (APA/PCSAS accredited)**
Specialization in Clinical Science
Major Area of Study: Clinical Child and Family Psychology
Minor in Quantitative Psychology
University of Southern California, Los Angeles, CA
Advisor: Dr. Darby E. Saxbe
- 2019 – 2021 **M.C. in Clinical Mental Health Counseling**
Arizona State University, Tempe, AZ
Advisor: Dr. Ashley K. Randall
Thesis Title: Time-lagged physiological synchrony in romantic partners across mutually stressful and enjoyment conversations
- 2014 – 2017 **B.S. in Psychology**
Grand Canyon University, Phoenix, AZ
Advisor: Dr. Charles Van Liew
Summa Cum Laude with Honors [Highest Distinction]

Grants, Fellowships, and Awards

Extramural Grants and Fellowships Funded

- 2023 – 2026 **National Academy of Sciences, Engineering, and Medicine (NASEM) Ford Foundation Predoctoral Fellowship**
Role: Fellowship recipient
Total Cost: \$81,000 awarded over three years.
- 2023 – 2024 **National Institutes of Health (NIH) National Institute of Child Health and Human Development (NICHD) Research Supplement to Promote Diversity in Health-Related Research (PA-21-071)**
FAIN# R01DH104801
Role: Key Personnel
Title: Prenatal social connection and disruption during the COVID-19 pandemic: Effects on maternal and infant health
Total cost: \$108,186

Intramural Grants and Fellowships Funded

- 2021 – 2022 **USC Jonathan and Faye Kellerman Fellowship**
Role: Fellowship recipient
Total Cost: \$71,400 awarded over two years.

Grants and Fellowships Pending or Under Review

Awards and Honors

2024	USC Graduate School Travel/Research Award [\$1,500 award]
2023	Steven Regeser López Award for Contributions to Diversity in Clinical Science [Awarded at the 33 rd Annual USC Leibovitz Research Conference]
2022	Ford Foundation Predoctoral Fellowship [Honorable Mention]
2020 – 2021	ASU Master of Counseling Student Fellowship [\$5,000 award]
2019 – 2020	ASU Graduate College Fellowship [\$5,000 award]
2019	ASU Institute for Social Science Research Poster Contest Honorable Mention [\$400 award]
2015 – 2017	GCU Leadership Scholarship [\$5,250 awarded yearly]
2015 – 2017	GCU Dean's List
2016	GCU Scholarship Foundation Grant [\$1,000 award]
2014 – 2017	GCU Presidential Scholarship [\$7,750 awarded yearly]
2014	Alamogordo 94.3 FM Student of the Year Scholarship [\$1,000 award]

Publications

1. León, G. A., Morris, A. R., Gilbertson, C. H., Turner, A., *Betron, H., *Dominguez-Ortega, L., *Guillemette, S., *Kuhil, S., *Wang, J., *Demenko, V., *Liu, J., *Longdon, A., *Ouyang, J., & Saxbe, D. E. (accepted). Glee in threes: Positive affect synchrony in parent-infant triads is moderated by maternal hair cortisol and parenting stress. *Infant Behavior and Development*.
2. Martos, T., Rosta-Filep, O., León, G. A., Orbán, K., & Kanth, B. (accepted). Conducting multi-nation research: Methodological and statistical considerations.
3. Randall, A. K., Liekmeier, E., Totenhagen, C., Lanutti, P. J., León, G. A., Siegel, M., ... Bodenmann, G. (2024). A multi-nation validation of the Dyadic Coping Inventory – Sexual Minority Stress (DCI-SMS): Results from Austria, Germany, Italy, and Switzerland. *Journal of Family Psychology* (2.69).
4. Cardenas, S. I., Tse, W., León, G., Kim, A., Tureson K., Lai, M., & Saxbe D. E. (2023). Testosterone synchrony in first-time parents across the transition to parenthood. *Hormones & Behavior*, 156, 105440. <https://doi.org/10.1016/j.yhbeh.2023.105440> (Impact Factor: 3.492)
5. Gandhi, Y., Randall, A. K., León, G. A., Martinson, H., Hocker, L., Bekki, J., Bernstein, B., & Wilkins-Yel, K. (2023). A dynamic dyadic systems perspective on communication of real-time support between graduate women in STEM and their mentor. *Communication Methods and Measures*, 17(4), 368-395. <https://doi.org/10.1080/19312458.2023.2242774> (Impact Factor: 8.044).
6. Aviv, L., Cárdenas, S., León, G. L., Waizman, Y., Gonzales, C., Flores, G., Martinez-Garcia, M., & Saxbe, D. (2023). Prenatal prolactin in first-time fathers predicts brain and behavioral adaptations to new parenthood. *Psychoneuroendocrinology*, 156, 106332. <https://doi.org/10.1016/j.psyneuen.2023.106332> (Impact Factor: 4.693).
7. Hsiung, C., León, G. A., Stinson, D., Chiou, E. (2023). Blaming yourself, your partner, or an unexpected event: Attribution biases and trust in a physical coordination task. *Human Factors and Ergonomics in Manufacturing & Service Industries*, 33(5), 379-394. <https://doi.org/10.1002/hfm.20998> (Impact Factor: 1.699).
8. Totenhagen, C. J., Randall, A. K., León, G. A., & Carroll, M. (2023). Dyadic Coping Inventory – Sexual Minority Stress: A scale validation with LGB+ men and women in same- and different-gender couples. *Psychology of Sexual Orientation and Gender Diversity*. (Impact Factor: 4.617).
9. León, G. A. & Randall, A. K. (2022). Methodological and statistical considerations in studying sexual minority and gender diverse relationships. In *Oxford Research Encyclopedia of Communication*. <https://doi.org/10.1093/acrefore/9780190228613.013.1360>

10. Gerton, J. M., Aoyagi, K., **León, G. A.**, Bludworth, J., Spille, S., & Holzapfel, J. (2022). Outcomes in clients transitioning from in-person counseling to telehealth counseling with trainees. *Counseling and Psychotherapy Research*. <https://doi.org/10.1002/capr.12541> (Impact Score: 1.74)
11. Randall, A. K., **León, G. A.**, Basili, E., ... & Chiarolanza, C. (2022). Coping with global uncertainty: Perceptions of COVID-19 stress, relationship quality, and dyadic coping for romantic partners across 27 countries. *Journal of Social and Personal Relationships*, 39(1), 3-33. <https://doi.org/10.1177%2F02654075211034236> (Impact Factor: 3.04)
12. Randall, A. K., Tao, C., **León, G. A.**, & Duran, N. D. (2021). Couples' co-regulation dynamics as a function of perceived partner dyadic coping. *Anxiety, Stress, & Coping*, 34(6), 597-611. <https://doi.org/10.1080/10615806.2021.1912740> (Impact Score: 2.58)
13. **León, G. A.**, & Chiou, E. K., Wilkins, A. (2021). Accountability increases sharing: Effects of accountability on human and AI performance and resource exchange. *International Journal of Human-Computer Interaction*, 37(5), 434-444. <https://doi.org/10.1080/10447318.2020.1824695> (Impact Factor: 4.32)
14. Van Liew, C., **León, G. A.**, Grimm, K. J. & Cronan, T. A. (2020). Vignette responses and future intentions in a health decision-making context: How well do they correlate? *Families, Systems, and Health*, 38(1), 26-37. <https://doi.org/10.1037/fsh0000464> (Impact Factor: 1.95)
15. Sowell, M., **León, G. A.**, & Van Liew, C. (2019). The effects of stage of onset and type of abuse on cooperation and aggression in children. *Journal of Articles in Support of the Null Hypothesis*, 16(1), 1-10.
16. Van Liew, C., **León, G. A.**, Sowell, M., & Cronan, T. (2019). You get used to it, or do you: Symptom duration predicts less fibromyalgia physical impairment, but only for those with above-average self-efficacy. *Psychology, Health, and Medicine*, 24(2), 207-220. <https://doi.org/10.1080/13548506.2018.1524152> (Impact Factor: 2.42)
17. Van Liew, C., Standridge, K., **León, G. A.**, & Cronan, T. A. (2018). A longitudinal analysis of pain experience and recall in fibromyalgia. *International Journal of Rheumatic Diseases*. <https://doi.org/10.1111/1756-185X.13415> (Impact Factor: 2.45)
18. **León, G. A.**, & Van Liew, C. (2017). Intergenerational religious transmission and conversion in the United States: Are the effects of parental religion moderated by parental religion concordance, education, geography, and generation?. *Research in the Social Scientific Study of Religion*, 28, 1-21. https://doi.org/10.1163/9789004348936_002

Manuscripts under Review

- León, G. A.**, Morris, A. R., Sellery, P., & Saxbe, D. E. (under review). Using machine learning to identify predictors of maternal and infant hair cortisol concentration before and after the COVID-19 pandemic.
- León, G. A.**, Waizman, Y., Cardenás, S., Aviv, L., Newsome, P., Vaccaro, A., Morris, A. R., & Saxbe, D. E. (under review). Trajectories of mothers' postpartum depressive symptoms following COVID-19 pandemic lockdowns and the protective role of relationship quality.
- León, G. A.**, Randall, A. K., & Duran, N. D. (under review). Time-lagged physiological synchrony in romantic partners across mutually stressful and enjoyment conversations.
- León, G. A.**^{*}, Nagaswami, M.^{*}, Randall, A. K., & Ng, L. (under review). Daily negative affect as a mediator of the association between lifetime adversity and spousal argument in daily life. ^{*}= These individuals contributed equally to this work as co-first authors.
- Salehi, P., **León, G. A.**, Chiou, E. (under review). Cooperative resource management in human-agent teaming: Effects of accountability and interaction structures.

* = Denotes an undergraduate mentee of Gabriel A. León

Manuscripts in Preparation

- León, G. A.**, Darvishi, N., Hejabi, P., Inwald, J., Li, H., Luo, J., Ramnath, S., Yi, Z., Aviv, E., Khaled, M., Dehghani, M., & Saxbe, D. E. (data analyzed, write up in progress). Prepared or perturbed?: Using large language models and LWIC to predict expectant parents' relationship quality, parenting stress, and cortisol reactivity during the transition to parenthood.

Kapadia, K., Ziabari, A. **León, G. A.**, Luo, J., Ko, M., Wen, N., Zhang, Y., & Sourati, Z. Cracking the empathy code: Unveiling empathy patterns in Reddit conversations. (data analyzed, write up in progress).

Invited Talks and Symposia

1. **León, G. A.**, Darvishi, N., Hejabi, P., Inwald, J., Li, H., Luo, J., Ramnath, S., Yi, Z., Aviv, E., Khaled, M., Dehghani, M., & Saxbe, D. E. (2024, July). Prepared or perturbed?: Using large language models and LWIC to predict expectant parents' relationship quality, parenting stress, and cortisol reactivity during the transition to parenthood. Invited symposium at the International Association for Relationship Research (IARR). Boston, MA, USA.
 2. **León, G. A.** (2022, November). *Stress Dynamics in the Family System*. Invited guest lecture for PSYC 367 – Stress, Health, & the Mind-Body Connection. University of Southern California, Los Angeles, USC
 3. **León, G. A.**, Basili, E., Martos, T., Chiarolanza, C., & Randall, A. K. (2022, July). *Cross-cultural perspectives on how partners cope with psychological distress during the early phases of COVID-19*. Invited symposium at the International Society for Research on Emotion (ISRE) 2022. University of Southern California, Los Angeles, USA.
 4. Randall, A. K. & **León, G. A.** (2021, March). *COVID-19 across Nations: Effects of a Global Stressor on Individuals in a Romantic Relationship*. Invited talk at an intercollegiate webinar for “Mental Health and Psychological Wellness Amidst COVID-19”. University of Nairobi. Nairobi, Kenya
 5. **León, G. A.** (2021, March). *How data from daily life can inform our understanding of interpersonal dynamics*. Invited talk for the Biological and Behavioral, Computational, and Critical (B2C2) Data Initiative. Arizona State University, Tempe, AZ
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Peer-Reviewed Presentations

1. *Ouyang, J., **León, G. A.**, & Saxbe, D. E. (2024). Exploring the impact of parental conflict behavior on family affect: An actor-partner interdependence model analysis. Poster presented at *Society for Affective Science* in New Orleans, LA.
2. *Vanegas, A. E., **León, G. A.**, Saxbe, D. E. (2023). Household income and community income predicts prenatal social support: Understanding stressors in pregnant women during COVID-19. Poster presented at the JumpStart Symposium at the University of Southern California in Los Angeles, CA.
3. **León, G. A.**, Morris, A. R., Turner, A., Gilbertson, C. H., *Betron, H., *Dominguez-Ortega, L., *Guillemette, S., *Kuhil, S., *Wang, J., & Saxbe, D. E. (2023). Glee in threes: Positive affect synchrony in parent-infant triads is moderated by chronic stress. Poster presented at *Society for Affective Science* in Long Beach, CA.
4. *Ouyang, J., **León, G. A.**, Morris, A. E., Turner, A., Gilbertson, C. H., & Saxbe, D. E. (2023). Affective synchrony in the parent-child triad: parentese predicts infant positive affect from moment-to-moment. Poster presented at *Society for Affective Science* in Long Beach, CA.
5. *Dominguez-Ortega, L., **León, G. A.**, & Saxbe, D. E. (2023). Fathers' time spent with infants as a moderator of the relationship between fathers' adult attachment style and fathers' parental stress. Poster presented at *Western Psychological Association* in Riverside, CA.
6. Gandhi, Y., Randall, A. K., **León, G. A.**, Martinson, H., Hocker, L., Bekki, J., ... Wilkins-Yel, K. (2023). *Communication of real-time support between graduate women in STEM and their mentor: Applying a dynamic dyadic systems analytical approach*. Poster presented at International Association on Relationship Research (IARR) in Tempe, AZ.
7. *Dominguez Ortega, L., **León, G. A.**, & Saxbe, D. E. (2022, August). *Empathic Concern, Relationship Satisfaction, and Testosterone Levels: An Analysis of Correlations and Predictors During the Transition to Fatherhood*. Poster presented at the JumpStart Symposium at the University of Southern California in Los Angeles, CA.
8. **León, G. A.**, Totenhagen, C., Randall, A. K., & Carroll, M. (2022, August). *Dyadic Coping with Sexual Minority Stress: Scale Validation of the DCI-SMS*. Full-length paper presented at International Association of Relationship Research (IARR) in London, England.
9. **León, G. A.**, Randall, A. K., & Duran, N. D. (2021, April). Time-lagged physiological synchrony in romantic partners across mutually stressful and enjoyment conversations. Master's thesis was defended at Arizona State University (ASU), Tempe, AZ.

10. **León, G. A.**, Randall, A. K., & Duran, N. D. (2020, September). *What you say and how you say it: Vocal pitch during stress communication and dyadic coping in romantic relationships*. Poster presented at the Arizona State University Institute for Social Science Research (ISSR) poster contest. Tempe, AZ.
11. Van Liew, C. & **León, G. A.** (2019, December). *Intensive longitudinal analysis of reactive stepping in multiple sclerosis*. Poster presented as a capstone project for a longitudinal growth modeling course at Arizona State University. Tempe, AZ
12. **León, G. A.** & Van Liew, C. (2019, October). *Predictors of racial resentment in Blacks and Whites: A Multi-group path analysis approach*. Poster presented at the Arizona State University Institute for Social Science Research (ISSR) poster contests. Tempe, AZ.[^]
[^]Honorable Mention - \$400 award
13. **León, G. A.**, Standridge, K., & Van Liew, C. (2018, June). *Protestant work ethic and attitudes toward overcoming prejudice: Moderation of race*. Poster presented at the 2018 Society for the Psychological Study of Social Issues (SPSSI) Conference. Pittsburgh, PA.
14. Van Liew, C., **León, G. A.**, Neese, M., & Cronan, T. (2018). *The longitudinal effects of symptom duration and self-efficacy on pain and function in women with fibromyalgia*. Poster presented at the 2018 Society of Behavioral Medicine Annual Meeting. New Orleans, LA.
15. **León, G. A.** (2017, April). *Empathy induced by vignette manipulation: Effects on moral judgments and forgiveness*. Poster presented at the 2017 Senior Capstone Showcase at Grand Canyon University. Phoenix, AZ

* = Denotes an undergraduate mentee of Gabriel A. León

Research Experience

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| 2021 – | <i>Doctoral Research Assistant</i> , <u>Neuroendocrinology of Social Ties Lab</u>
Director: Dr. Darby Saxbe
University of Southern California, Los Angeles, CA |
| 2019 – 2021 | <i>Graduate Research Assistant (Volunteer)</i> , <u>Couples Coping with Stress Lab</u>
Director: Dr. Ashley K. Randall
Arizona State University, Tempe, AZ |
| 2020 – 2021 | <i>Graduate Research Assistant</i> , <u>Center for Gender Equity in Science and Technology</u>
Director: Dr. Kimberly A. Scott
Arizona State University, Tempe, AZ |
| 2019 – 2020 | <i>Graduate Research Assistant</i> <u>Automation Design Advancing People and Technology (ADAPT) Lab</u>
Director: Dr. Erin K. Chiou
Arizona State University – Polytechnic, Mesa, AZ |
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Clinical Experience

Total Intervention Hours = 442.00

Total Assessment Hours = 25.75

Total Child/Family Intervention Hours = 259.00

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| 2023 – | <i>Lifespan Didactic Clinical Practicum</i> [21.50 direct intervention hours; 98.00 total hours]
Supervisor: Dr. Lauren Shapiro & Dr. Bruna Martins-Klein
USC Psychological Services Center (PSC)
University of Southern California, Los Angeles, CA |
| 2023 – | <i>Parenting Group Facilitator</i> [44.00 direct intervention hours; 87.50 total hours] |

Supervisor: Dr. Gayla Margolin
Homeboy Industries, Los Angeles, CA

- 2022 – 2023 *Adult CBT and ACT Didactic Clinical Practicum* [43.25 direct intervention hours; 217.25 total hours]
Supervisor: Dr. Lauren Shapiro & Dr. Brittany Beasley
USC Psychological Services Center (PSC)
University of Southern California, Los Angeles, CA
- 2022 *Neuropsychology Assessment Practicum* [25.75 direct assessment hours; 84.50 total hours]
Supervisor: Dr. Hannah Brunet & Dr. Latonya Wood Huey
USC Psychological Services Center (PSC)
University of Southern California, Los Angeles, CA
- 2022 *Adolescent Peer Coach Training (PCT)* [5.00 direct intervention hours; 16.50 total hours]
Supervisor: Dr. Stan Huey
University of Southern California, Los Angeles, CA
- 2021 – 2022 *Geriatric Workforce Enhancement Program (GWEP)* [14.50 direct intervention hours; 41.75 total hours]
Supervisor: Dr. Christopher Beam
University of Southern California, Los Angeles, CA
- 2021 *Adolescent and Young Adult Counseling Internship* [242.00 direct intervention hours; 601.00 total hours]
Supervisor: Russell Yost, LPC, LMFT
Embark Behavioral Health (formerly Doorways LLC)
Phoenix, AZ
- 2020 *Adult Counseling Practicum*, [46.00 direct intervention hours; 228.50 total hours]
Supervisor: Dr. Sophia Murphy, DBH
Counselor Training Center (CTC)
Arizona State University, Tempe, AZ
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Service and Outreach

- 2024 – *Research Mentor*, USC Gateways Scholars Program, University of Southern California
2024 *Judge*, 2024 Undergraduate Symposium for Scholarly & Creative Work, University of Southern California
- 2023 – *Expungement Letter Writing, Community Volunteer, and Grant Writer*, Social Impact Center, Los Angeles, CA
- 2023 – *USC PhD in Psychology Preview Day for Underrepresented Minority Students*, Committee on Leadership in Multicultural Advancement & Training for Everyone (CLIMATE), University of Southern California.
- 2023 – *Undergraduate Mentor*, Promoting Underrepresented Minorities in Psychology (PUMP) Mentorship Program
- 2023 – *McNair Prospective Graduate Student Panel*, USC Dornsife Office of Diversity, Equity, Inclusion, and Belonging, University of Southern California, Los Angeles
- 2022 – *Graduate Association for Students in Psychology (GASP)*
Diversity, Equity, and Inclusion Chair and Graduate Lead for the Committee on Leadership in Multicultural Advancement & Training for Everyone (CLIMATE)
University of Southern California, Los Angeles, CA
- 2022 – *Research Mentor*, USC JumpStart Program, University of Southern California
- 2022 – *Clinical Science Colloquium Committee*, University of Southern California, Los Angeles

2021 – 2022 *Campus Representative*, Society of Clinical Psychology (Division 12 of APA)
 2021 – 2022 *Peer Mentorship Student Lead for the Committee on Leadership in Multicultural Advancement & Training for Everyone (CLIMATE)*, University of Southern California, Los Angeles
 2018 – 2021 *Youth Mentor*, New Pathways for Youth, Phoenix, AZ
 2019 *Depression Support Group Facilitator*, Redemption Church, Peoria, AZ
 2015 – 2017 *Head Residence Life Leader*, Grand Canyon University, Phoenix, AZ

Skills and Qualifications

Statistical Software: R, Mplus, GridWare,
Neuroimaging: FSL
Surveys and Ecological Momentary Assessment: REDCap, Qualtrics
Behavioral Coding: Datavyu
Quantitative Training:

- ❖ Intensive Longitudinal Analysis
- ❖ Longitudinal Growth Modeling
- ❖ Covariance Structures and Structural Equation Modeling
- ❖ Multilevel Modeling
- ❖ Statistical Mediation Analysis
- ❖ Introduction to Machine Learning
- ❖ Text as Data

Additional Training

2023 *Summer Institute in Computational Social Sciences (SICSS) (UCLA)*
 Causal inference, heterogeneous treatment effects, and applied text analysis
Instructors: Drs. Jennie Brand, Onyebuchi A. Arah, Ian Lundberg
 2023 *Letter Writing for Expungement Workshop*, June 7th, 2023, The Social Impact Center, Los Angeles, CA
 2022 *NSF/Ford Fellowship Bootcamp*
 University of Southern California (USC), Los Angeles, CA
 2022 *Symposium in Dynamic Dyadic Systems (Penn State University)*
 Longitudinal Methods for the Study of Conversations as Dynamic Dyadic System
Instructors: Drs. Denise Solomon, Nilam Ram, Graham Bodie, Susanne Jones, and Mimi Brinberg
 2020 *APA Advanced Training Institute Analysis of Intensive Longitudinal Data: Experience Sampling and Ecological Momentary Assessment*
Instructors: Drs. Kevin J. Grimm, Nilam Ram, J.P. Laurenceau, Niall Bolger
 2020 *APA Advanced Training Institute Structural Equation Modeling in Longitudinal Research*
Instructors: Drs. Kevin J. Grimm, Craig Enders, Nilam Ram

Professional Affiliations

American Counseling Association (ACA)
 American Psychological Association (APA)
 Quantitative and Qualitative Methods [APA Division 5]
 Society for Affective Science (SAS)
 Society for Digital Mental Health
 Society for a Science of Clinical Psychology (SSCP)

Society of Clinical Psychology [APA Division 12]
Society of Clinical Child and Adolescent Psychology [APA Division 53]

Ad-Hoc Reviewer

Body Image (Impact Factor: 6.406)
Clinical Psychological Science (Impact Factor: 8.200)
Couple and Family Psychology (Impact Factor: 1.800)
Development and Psychopathology (Impact Factor: 4.357)
Discourse Processes (Impact Factor: 2.074)
Journal of Family Psychology (Impact Factor: 2.69)
Personal Relationships (Impact Factor: 1.900)

Employment

2019 – 2021 *Accounting Bookkeeper*, Global Training Network, Peoria, AZ
2020 – 2021 *Graduate Research Assistant*, School of Social Transformation
 Arizona State University, Tempe, AZ
2019 – 2020 *Graduate Research Assistant*, Ira A. Fulton School of Engineering
 Arizona State University – Polytechnic, Mesa, AZ
2017 – 2019 *Graduate Enrollment Counselor*, Grand Canyon University, Phoenix, AZ

Media and Public Engagement

2021 Randall, A. K. & León, G. L. Guest appearance on the *Brain Buzz* podcast. *Couples coping during COVID*.