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a. Professional Preparation and Experience.

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|----------------|---|---|
| 2015 – present | University at Buffalo
Department of Psychology
Courses on cognitive neuroscience and development | Adjunct Instructor |
| 2012 – present | Pennsylvania State University
Department of Psychology
Cognition, Affect, and Temperament Lab (Koraly Pérez-Edgar, PhD) | Postdoctoral Fellow |
| 2012 | University of Oklahoma
Health Sciences Center
Behavioral Sciences Lab (William Lovallo, PhD) | Postdoctoral Fellow |
| 2012 | University of Iowa
Hospitals and Clinics
Division of Behavioral Neurology and Cognitive Neuroscience
(Daniel Tranel, PhD) | Postdoctoral Research Scholar |
| 2008 – 2011 | University of Iowa
Dissertation: <i>A Model of the Neural Basis of Predecisional Processes: The Fronto-Limbic Information Acquisition Network</i>
Committee Chair: Daniel Tranel, PhD | Ph.D., Neuroscience |
| 2006 – 2008 | Georgia State University
Thesis: <i>The Non-Moral Basis of Cognitive Biases of Moral Intuitions</i>
Committee Chair: Eddy Nahmias, PhD | M.A., Philosophy; Brains & Behavior Fellow |
| 2000 - 2004 | Northeastern University | B.A., Modern Languages (Spanish),
Biology minor, with honors |

Areas of expertise: cognitive, affective, and developmental neuroscience, neuropsychology, neuroimaging, psychophysiology, introductory neuroscience and psychology, research methods, scientific computing

b. Relevant Experience and Awards

Additional Training:

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| 2012 | Workshop: Fellow at University of Maryland Summer Institute on Developmental Neuroscience, Maryland Neuroimaging Center |
| 2012 | Workshop: Mind Research Network fMRI Image Acquisition and Analysis Course, University of Colorado, Boulder |
| 2009 | Graduate Research Assistant: Laboratory of Dr. David Rudrauf, Department of Neurology, University of Iowa |
| 2007-2008 | Research Assistant: Laboratory of Dr. Tricia King, GSU |
| 2007 | Summer Internship: Division of Cognitive and Behavioral Neurology, Department of Neurology, University of Iowa |
| 2006-2008 | Training Fellowship: Brains & Behavior Graduate Fellow, GSU |

Teaching Experience:

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| 2015-16 | Instructor: PSY458 Adolescent Dev.; PSY429 Psychophysiology |
| Summer 2015 | Instructor: Software Carpentry Workshop on scientific computing for brain and cognition researchers, PSU |
| Fall 2013 | Instructor: Workshop on Bash for Scientific Computing, AXONS neuroscience graduate student organization, PSU |
| Fall 2012 & Spring 2013 | Instructor: Student Matlab Workshop, PSU |
| Fall 2012 | Guest lecturer: on Moral Development, 212H Developmental Psychology, Pennsylvania State University |
| Spring 2010 & Spring 2011 | Teaching Assistant: Medical Neuroscience, University of Iowa Carver College of Medicine |
| 2006 | Teaching assistant: Henry Hudson School #28 (bilingual urban elementary school), Rochester, NY |
| 2004-2005 | Substitute teacher: Rochester, NY area school districts |

Pedagogical training:

- Spring 2014 Software Carpentry Instructor Training for teaching scientific computing
- Spring 2011 Graduate Fellow, Obermann Institute for Advanced Studies on Engaged Scholarship, University of Iowa
- Spring 2011 Seminar on College Teaching

Awards and Funding:

- 2013 Faris Fund, College of Liberal Arts, Pennsylvania State University, conference travel award for SRCD, \$1,000.
- 2012 Fellowship, from the Maryland Neuroimaging Center to attend the University of Maryland Summer Institute on Developmental Neuroscience.
- 2011-2012 “The Neural Basis of Moral Behavior,” Executive Council of Graduate and Professional Students (ECGPS), University of Iowa, Research Grant, \$900.
- 2011 Graduate Student Senate Travel Award, to travel to the Society for Neuroscience Annual Meeting, Washington, DC, November 2011.
- 2011 ECGPS Travel Grant, to travel to the Society for Neuroscience Annual Meeting, Washington, DC, November 2011.
- 2011 Nomination from Iowa SfN Chapter for Society for Neuroscience Next Generation Award
- 2011 Society for Neuroscience Chapter Grant Award (as Student Co-Director of Chapter), supports chapter activities and outreach
- 2011 Obermann Graduate Fellowship to join the Obermann Graduate Institute on Engagement and the Academy, which works to deepen relationships between universities and communities.
- 2010 Graduate College Supplemental Funds, to travel to the Rotman Research Institute Conference on the Frontal Lobes, in Toronto, Canada, March 22-26, 2010
- 2010 Graduate Student Senate Travel Award, to travel to the Cognitive Neuroscience Society’s 17th Annual Meeting, Montreal, Québec, Canada, April 2010.

2010	ECGPS Travel Grant, to travel to the Cognitive Neuroscience Society's 17 th Annual Meeting, Montreal, Québec, Canada, April 2010.
2010	Exemplary Senator Recognition (for 78 hours of service in 2009-2010), from the University of Iowa Graduate College and Graduate Student Senate
2006-2008	Brains & Behavior Graduate Fellowship, Georgia State University
2006	Graduate Assistantship with full tuition waiver, Department of Philosophy, Georgia State University (declined to accept Brains & Behavior Fellowship)

c. Engaged and Synergistic Activities.

Mentorship

2013-2014	Undergraduate RAs PSU: Alysha Gilmore, Alice Polonski, Chris Frazzette, Kirstie Herb (post-bacc. RA, Drexel), Sydney Risley (post-bacc. RA, PSU), Jenna Haven, Renee Abney, Ami Patel, Kelly Berthold
2009-2011	Graduate student mentor for 2 pre-comps graduate students
2008-2011	Undergraduate RAs UI: Pierce Edmiston (PhD student, UW Madison), Heather Robinson (PhD student, Iowa), Lucas Connor, Beyon Miloyan (PhD student, Queensland), Ali Mohammed (MD), Katia González, José Rodriguez Cardona (MD)

Service

2014-present	Software Carpentry certified scientific computing instructor
2014-present	Organizer of Penn State EDA Data Group, meeting regularly to discuss issues in psychophysiological research
2012-present	Programming Office Hours - 1.5 hours weekly open office hours for issues in scientific computing and programming
2011	“Because of brain science...?” project—a Twitter project that seeking to capture the public's voice on the implications of brain science for society by asking people to complete the phrase “Because of brain science...” in 140 characters or less

2009-2011	Chair of Brain Awareness Committee, University of Iowa
2008-2011	Senator, Graduate Student Senate, University of Iowa (alternate 2008-2009; full 2009-2011)
2008-2011	Organizer of the Iowa MoCo Reading Group on moral cognition
2009-2010	Co-Chair of International Student Committee, Graduate Student Senate, University of Iowa
2009-2010	Director of Lekker Lekker (annual ethnic restaurant review project of the Graduate Student Senate)
2008-2009	Brain Awareness Committee Member, Neuroscience Program, University of Iowa (organizes local SfN Brain Awareness Week activities, the Iowa Brain Discovery Fair, the Iowa Brain Bee, and the Neuroscience Program Retreat)

Editorial

Frontiers in Human Neuroscience (ad hoc)
Behavioural Brain Research (ad hoc)
International Journal of Psychophysiology (ad hoc)
Journal of Clinical and Experimental Neuropsychology (ad hoc)
ECGPS, University of Iowa (grant reviewer)

d. Publications.

Under Review:

Pérez-Edgar, K.E., LoBue, V., **Taber-Thomas, B.C.**, Allen, E.K., Brown, K., & Buss, K. (*revise & resubmit*). The impact of negative affect on attention patterns to threat across the first two years of life.

LoBue, V., Buss, K.A., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (*revise and resubmit*). Developmental Differences in Infants' Attention to Social and Non-Social Threats

Auday, E., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (*under review*). Attention Bias to Masked Faces in BI and non-BI Children: An fMRI study.

Peer-Reviewed:

Taber-Thomas, B.C., Morales, S., Hillary, F., & Pérez-Edgar, K.E. (*in press*). Altered topography of intrinsic functional connectivity in childhood risk for social anxiety. *Depression and Anxiety*.

- Morales, S., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (*in press*). Patterns of attention to threat across tasks in behaviorally inhibited children at risk for anxiety. *Developmental Science*.
- Fu, X.F., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (*in press*). Frontolimbic Functioning During Threat-Related Attention: Relations to Early Behavioral Inhibition and Anxiety in Children. *Biological Psychology*.
- Thai, N., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2016). Neural correlates of attention biases, behavioral inhibition, and social anxiety in children: An ERP study. *Developmental Cognitive Neuroscience* 19, 200-210.
- Scherer, A.M., **Taber-Thomas, B.C.**, & Tranel, D. (2015). A neuropsychological investigation of decisional certainty. *Neuropsychologia*.
- Taber-Thomas, B.C.**,* Asp, E.W.,* Koenigs, M., Sutterer, M., Anderson, S.W., & Tranel, D. (2014). Arrested Development: Abnormally Egocentric Moral Judgment After Developmental-Onset Prefrontal Cortex Damage. *Brain* 137(4), 1254-1261. (*equal contribution)
- Thomas, B.C.**, Croft, K., & Tranel, D. (2011). Harming Kin to Save Strangers: Further Evidence for Abnormally Utilitarian Moral Judgments after Ventromedial Prefrontal Damage. *Journal of Cognitive Neuroscience* 23(9), 2186-2196.
- Corona, E. & **Thomas, B.** (2010). A New Perspective on the Early History of the American Society for Cybernetics. *Journal of the Washington Academy of Sciences*, Summer 2010, 21-34.

Book Chapters:

- Taber-Thomas, B.C.** & Pérez-Edgar, K.E. (2015). Brain Development in Emerging Adulthood. In J.J. Arnett (Ed.), *Oxford Handbook of Emerging Adulthood*. Oxford University Press.
- Pérez-Edgar, K.E. & **Taber-Thomas, B.C.**, Auday, E., Morales, S. (2014). Temperament and Attention as Core Mechanisms in the Early Emergence of Anxiety. In K.H. Lagattuta (Ed.), *Children and Emotion: New Insights into Developmental Affective Science*. Karger.
- Taber-Thomas, B.C.** & Tranel, D. (2012). Social and moral functioning: A cognitive neuroscience perspective. In M. Beauchamp & V. Anderson (Eds.), *Developmental social neuroscience and childhood brain insult: Implications for theory and practice* (65-90). New York, NY: The Guilford Press.

Manuscripts in preparation:

Taber-Thomas, B.C., Sorocco, K.H., Cohoon, A.J., & Lovallo, W.R. (*revising for resubmission*). Lifetime Adversity Leads to Blunted Cortisol Response to Opioid Blockade: Studies from the Oklahoma Family Health Patterns Project.

Auday, E., Moore, G. A., Pérez-Edgar, K., **Taber-Thomas, B. C.**, Morales, S., & Soto, J. A. (*revising for resubmission*). Predictors of social anxiety symptoms in emerging adults: Temperament, attention bias to threat, and recalled parenting.

Taber-Thomas, B.C., Fu, X., Auday, E., & Pérez-Edgar, K.E. (*in preparation*). Functional connectivity during stimulus-driven and goal-directed threat processing in childhood risk for anxiety.

Taber-Thomas, B.C. & Tranel, D. (*in preparation*). Ventromedial Prefrontal Cortex Damage Increases the Acquisition of Utilitarian Information Prior to Choice. (based on PhD thesis)

Taber-Thomas, B.C., Galinsky, P., Gilmore, A. *, Morales, S., Thai, N., & Pérez-Edgar, K.E. (*in preparation*). Intrinsic functional connectivity correlates of frontal EEG asymmetry and risk for anxiety. (*undergraduate)

Abstracts (most recent 2 years):

Brown, K., **Taber-Thomas, B.C.**, LoBue, V., Buss, K., & Pérez-Edgar, K.E. (2016). Impact of Infant Fear Behaviors on Visual Attention Patterns. *International Conference on Infant Studies*, New Orleans, LA, May 2016. (Poster Presentation).

Morales, S., Brown, K., **Taber-Thomas, B.C.**, Buss, K., & Pérez-Edgar, K.E. (2016). Maternal Anxiety Predicts Attentional Bias Towards Threat in Infancy. *International Conference on Infant Studies*, New Orleans, LA, May 2016. (Poster Presentation).

Pérez-Edgar, K.E., Buss, K., LoBue, V., **Taber-Thomas, B.C.**, Allen, E.K., & Brown, K. Emerging Relations between Attention to Threat and Negative Affect in the First two Years of Life. *International Conference on Infant Studies*, New Orleans, LA, May 2016. (Poster Presentation).

Taber-Thomas, B.C., Galinsky, P., Gilmore, A. *, Morales, S., Thai, N., & Pérez-Edgar, K.E. (2015). Resting-state brain connectivity in behaviorally inhibited children at risk for anxiety. *Society for Neuroscience Annual Meeting*, Chicago, IL, October 2015. (Poster Presentation) (*undergraduate)

Thai, N., **Taber-Thomas, B.C.**, Maggi, M., Pérez-Edgar, K.E., & Cole, P.M. (2015). Effortful control relates to intrinsic functional connectivity in dlPFC and dACC.

Society for Neuroscience Annual Meeting, Chicago, IL, October 2015. (Poster Presentation)

Pérez-Edgar, K.E., **Taber-Thomas, B.C.**, & Fu, X. (2015). Attention to Threat and Neural Activation as Markers of Risk, Symptom Levels, or Both in Children at Temperamental Risk for Anxiety. *Anxiety and Depression Association of America*, Miami, FL, April 2015. (Paper presentation)

Taber-Thomas, B.C., Morales, S., & Pérez-Edgar, K.E. (2015). Resting-state brain connectivity in behaviorally inhibited children at risk for anxiety. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Fu, X., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Distinct frontolimbic functioning underlying threat-related attention bias in children with behavioral inhibition. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Paper Presentation).

Galinsky, P., **Taber-Thomas B.C.**, Thai, N., Pérez-Edgar, K.E. (2015). Temperament-linked variation in the association between functional connectivity and frontal EEG asymmetry in children. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Galinsky, P., **Taber-Thomas, B.C.**, Allen, E.K., Brown, K., Fu, X., Pérez-Edgar, K.E. (2015). Infant temperamental variation in arousal during emotion-face processing assessed with pupilometry. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Auday, E., **Taber-Thomas, B.C.**, Pérez-Edgar, K.E. (2015). Attention Bias to Masked Faces in BI and non-BI Children: An fMRI study. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Brown, K., Allen, E.K., **Taber-Thomas, B.C.**, Allen, E.A., Pérez-Edgar, K.E. (2015). Attentional Bias due to Temperamental Differences in 12 to 24 Month old Infants. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Allen, E.K., Brown, K., **Taber-Thomas, B.C.**, Allen, E.A., Pérez-Edgar, K.E. (2015). Parental State Anxiety is Associated with Infant Visual Attentional Bias Away From Emotion Faces. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Allen, E.K., Brown, K., Allen, E.A., **Taber-Thomas, B.C.**, Pérez-Edgar, K.E. (2015). Perceptual Differences in Social and Non-Social Cues in Infancy. *Society for*

Research in Child Development Biennial Meeting, Philadelphia, PA, March 2015.
(Poster Presentation)

Pfeifer, C., Allen, E.K., Brown, K., **Taber-Thomas, B.C.**, Pérez-Edgar, K.E. (2015). Individual Differences in Social Relatedness and Attentional Biases. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015. (Poster Presentation)

Taber-Thomas, B.C., Morales, S., & Pérez-Edgar, K.E. (2014). Default and salience network intrinsic connectivity in behaviorally inhibited children at risk for anxiety. *Fourth Biennial Conference on Resting State / Brain Connectivity*, Boston, MA, September 2014, *Society for Social Neuroscience Annual Meeting*, Washington, DC, November 2014, and *Society for Neuroscience Annual Meeting*, Washington, DC, November 2014. (Poster presentation)

Morales, S., **Taber-Thomas, B.C.**, Thai, N. & Pérez-Edgar, K.E. (2014). Behavioral inhibition moderates the relation between EEG asymmetry and social anxiety. *Society for Neuroscience Annual Meeting*, Washington, DC, November 2014. (Poster presentation)

Thai, N., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2014). Neural processing of social stimuli is associated with affective decision making on the Iowa Gambling Task. *Society for Neuroscience Annual Meeting*, Washington, DC, November 2014. (Poster presentation)

Pérez-Edgar, K.E., Allen, E., & **Taber-Thomas, B.C.** (2014) Links between Attention to Threat in Infancy and Social Withdrawal in Childhood. *International Conference on Infant Studies*, Berlin, Germany, April 2014.

Abstracts of Mentored Undergraduate Students (most recent 2 years; *undergraduate)

Gilmore, A.*, **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Neural responses to masked and unmasked threat faces in children at risk for anxiety. *Society for Neuroscience Annual Meeting*, Chicago, IL, October 2015. (Poster Presentation)

Gilmore, A.*, **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Temperament-linked variation in the association between functional connectivity and frontal EEG asymmetry in children. *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2015. (Poster Presentation)

Polonski, A.*, Frazzette, C.*, **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Resting State Brain Network Stability. *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2015. (Poster Presentation)

Herb, K.*, **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Individual differences in affective decision making in late adolescence. *Society for Research in Child*

Development Biennial Meeting, Philadelphia, PA, March 2015; *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2015. (Poster Presentation)

Risley, S.*, Herb, K.*, **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2015). Altered Affective Decision-Making in Behaviorally Inhibited Children. *Society for Research in Child Development Biennial Meeting*, Philadelphia, PA, March 2015.; *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2015 (Poster Presentation)

Abney, R.*, Haven, J.*, Berthold, K.*, Herb, K.*, Morales, S., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2014). Greater Anxiety is Associated with Avoidance of Threat: An Eye Tracking Dot-Probe Study. *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2014. (Poster presentation)

Herb, K.*, Morales, S., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2014). Adaptive Affective Decision Making is Associated with Less Negative Emotion and Greater Mindfulness. *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2014. (Poster presentation)

Risley, S.*, Herb, K.*, Morales, S., **Taber-Thomas, B.C.**, & Pérez-Edgar, K.E. (2014). Altered Affective Decision Making in Behaviorally Inhibited Children. *Penn State Psi Chi Annual Research Conference*, State College, PA, April 2014. (Poster presentation)

e. References & Other Affiliations

(i) References. Koraly Pérez-Edgar, PhD (Penn State, Psychology), Frank Hillary, PhD (Penn State, Psychology), Daniel Tranel, PhD (University of Iowa, Neuroscience),

(ii) Other collaborators. Jose Soto, PhD (Penn State, Psychology), Ginger Moore, PhD (Penn State, Psychology), Kristin Buss, PhD (Penn State, Psychology), Michele Diaz, PhD (Penn State, Psychology), Santiago Morales, MA (Penn State, Psychology), Steven Anderson, PhD (University of Iowa, Neuroscience), William Lovallo, PhD (University of Oklahoma Health Sciences Center, Psychiatry), Eddy Nahmias, PhD (Georgia State University, Philosophy), Mike Koenigs, PhD (University of Wisconsin-Madison, Psychiatry), Erik Asp, PhD (University of Iowa, Psychiatry), Aaron Scherer, PhD (University of Michigan, Center for Bioethics and Social Sciences in Medicine)

(iii) Professional Societies. Society for Neuroscience, Society for Research in Child Development, Cognitive Neuroscience Society, Society for Social Neuroscience, Society for Philosophy and Psychology