

KATHERINE BOTTENHORN, PhD

bottenho@usc.edu
katiebottenhorn.com
904 599 9865

Soto Street Building, 209-23
1845 North Soto Street, MC 9239
Los Angeles, CA 90089-9239

EMPLOYMENT

POSTDOCTORAL SCHOLAR – RESEARCH ASSOCIATE

SEPT 2021 TO PRESENT

Endocrine-mediated pubertal brain development; Urban air pollution and neurobehavioral trajectories in the ABCD study; The role of air pollution in emotional neurodevelopment and risk for psychiatric disorders; Impacts of ambient air pollutants on brain microstructure and functional connectome development.

ADVISOR: Dr. Megan Herting

DIVISION OF ENVIRONMENTAL HEALTH SCIENCES, DEPARTMENT OF POPULATION AND PUBLIC HEALTH SCIENCES, KECK SCHOOL OF MEDICINE OF USC, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA, USA

COURTESY POSTDOCTORAL ASSOCIATE

NOV 2021 TO PRESENT

ADVISOR: Dr. Angela Laird

DEPARTMENT OF PSYCHOLOGY, FLORIDA INTERNATIONAL UNIVERSITY, MIAMI, FL, USA

EDUCATION

Ph.D. FLORIDA INTERNATIONAL UNIVERSITY, PSYCHOLOGY (COGNITIVE NEUROSCIENCE)

AUGUST 2021

DISSERTATION: *Understanding individual differences within large-scale brain networks across cognitive contexts*

MENTOR: Dr. Angela Laird

Real Triumphs Graduate

M.S. FLORIDA INTERNATIONAL UNIVERSITY, PSYCHOLOGY

DECEMBER 2018

THESIS: *Cooperating yet distinct brain networks engaged by naturalistic fMRI paradigms: A meta-analysis of functional MRI results*

MENTOR: Dr. Angela Laird

B.A. AUBURN UNIVERSITY, CHEMISTRY

MAY 2015

B.A. AUBURN UNIVERSITY, PSYCHOLOGY

MAY 2015

HONORS THESIS: *Connectivity of the human hypothalamus*

MENTOR: Dr. Jennifer Robinson

Summa cum laude, University Honors Scholar

RESEARCH

HERTING LABORATORY

SEPT 2021 TO PRESENT

Postdoctoral scholar, *Department of Population and Public Health Sciences, Keck School of Medicine of USC, University of Southern California*

PRINCIPAL INVESTIGATOR: DR. MEGAN HERTING

NEUROINFORMATICS AND BRAIN CONNECTIVITY LABORATORY

AUG 2015 TO AUG 2021

Graduate research assistant, *Departments of Physics & Psychology, Florida International University*

PRINCIPAL INVESTIGATOR: DR. ANGELA LAIRD

COGNITIVE AND AFFECTIVE NEUROSCIENCE LABORATORY

NOV 2012 TO MAY 2015

Undergraduate research assistant, *Department of Psychology, Auburn University*

PRINCIPAL INVESTIGATOR: DR. JENNIFER ROBINSON

BEN-JONATHAN LABORATORY

JUNE 2013 TO AUG 2013

KATHERINE BOTTENHORN

Undergraduate Research Fellowship, *Department of Cancer Biology, University of Cincinnati School of Medicine*

PRINCIPAL INVESTIGATOR: DR. NIRA BEN-JONATHAN

MEMORY, ATTENTION, & DECISION LABORATORY

JAN 2012 TO NOV 2012

Undergraduate research assistant, *Department of Psychology, Auburn University*

PRINCIPAL INVESTIGATOR: DR. ANA FRANCO-WATKINS

RESEARCH SUPPORT

CURRENT:

BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00)

PI: Bottenhorn

K99MH135075

Endocrine-mediated pubertal brain network development: Bridging datasets with machine learning

01/01/2024, A0 Impact score: 30, TOTAL AWARD: **\$999,927**

5 years

This project aims to assess the role of sex hormones in concurrent development of cortical microarchitecture and functional connectivity during puberty, by using multivariate, machine learning techniques to study these phenomena with MRI and endocrine data from multiple pediatric, neuroimaging datasets.

COMPLETED:

Southern California Environmental Health Sciences Center Pilot Grant

PI: Bottenhorn

P30ES07048-27

Impacts of ambient air pollutants on brain microstructure and functional connectome development

03/01/2023 – 02/28/2024, TOTAL AWARD: **\$10,000**

1.1 months

This project uses data from the Adolescent Brain and Cognitive Development (ABCD) Study to assess how parallel microstructural and functional brain changes in children ages 9-12 years are associated with exposure to various sources of fine particulate matter.

FIU University Graduate School Dissertation Year Fellowship

PI: Bottenhorn

Understanding individual differences within large-scale brain networks across cognitive contexts

01/09/2021 – 08/09/2021, TOTAL AWARD: **\$16,600**

8 months

HONORS & AWARDS

Real Triumphs Graduate	Florida International University	2021
Magna Cum Laude Merit Award	International Society for Magnetic Resonance in Medicine	2021
Trainee Travel Award (\$1,000)	BRAIN Initiative Investigator's Meeting	2019
1st place poster (\$350)	FIU, College of Arts, Sciences, and Education Graduate Scholarly Forum	2019
Undergraduate Research Fellowship (\$4,500)	Auburn University, College of Science and Mathematics	2014 to 2015
Opportunities for Undergraduate Research in the College of Liberal Arts (\$4,500)	Auburn University	2014
Summer Undergraduate Research Fellowship (\$4,000)	University of Cincinnati	2013
Dean's List	Auburn University, College of Sciences and Mathematics	2011 to 2015
National Scholars' Presidential Scholarship	Auburn University	2011 to 2015
National Merit Scholar	Auburn University & National Merit Scholarship Corporation	2011

KATHERINE BOTTENHORN

SOFTWARE & PROJECT DEVELOPMENT

Meta-analytic K-means

github.com/62442katieb/meta-analytic-kmeans

Matlab (2013b) and Python (v. 2.7.13) pipelines. Performs and evaluates k-means clustering of stereotaxic coordinate results of functional neuroimaging data. Includes k-means, kernel k-means, and hierarchical clustering (using Ward's algorithm) across a pre-specified range of solutions; evaluates the performance of each method across solutions with numerical and graphical representations.

Responsible for pipeline adaptation, testing. See Bottenhorn et al., (2018) for an example of its implementation.

IN COLLABORATION WITH MICHAEL RIEDEL

Individual differences in brain connectivity (IDConn)

github.com/62442katieb/IDConn

Python pipeline. Performs graph-theoretic analysis of fMRI data for investigations of individual differences in task-based and resting-state brain network topology and connectivity.

Developed and tested pipeline. See Gonzalez & Bottenhorn et al., (2019), Smith et al. (2023) for examples of its implementation.

Neurosynth 2.0 / Neurosynth Compose

compose.neurosynth.org

Web-based application. Facilitates curation, annotation, and analysis of datasets for neuroimaging meta-analysis, leveraging the Neurostore backend.

Contributed user story and UX consulting for frontend development, testing.

SERVICE

Peer review

ongoing

Reviewed manuscripts for *Imaging Neuroscience*, *Biological Psychiatry*, *Environmental Pollution*, *Environment International*, *Neuroimage*, *Journal of Open Source Software*, *Cortex*, *Frontiers in Neuroscience*, *Network Neuroscience*, *Journal of Abnormal Child Psychology*, *BJPsych Open*, *Frontiers in Human Neuroscience*, *Frontiers in Endocrinology*, *Scientific Data*.

Department of Population and Public Health Sciences, Keck School of Medicine

Division of Environmental Health Sciences Postdoc Retreat • Co-Organizer

October 2023

Assisted in planning and organizing a retreat for division postdoctoral associates in the Division of Environmental Health in USC's Department of Population and Public Health Sciences.

Brainhack Global

Diversity, Equity, and Inclusivity Committee • Member

October 2021 – October 2022

Coordinated and organized efforts to broaden diversity, equity, and inclusivity in the Brainhack Global organization and related efforts in the neuroimaging research community.

Organization for Human Brain Mapping

Open Science Special Interest Group • Secretary

September 2020 – September 2021

Organized and took minutes taking for monthly of the Open Science Special Interest Group; assisted in organizing and hosting OHBM's Hackathon and Open Science Room for the annual meeting in 2021.

Organization for Human Brain Mapping

Technology Taskforce • SIG Representative

September 2020 – June 2021

KATHERINE BOTTENHORN

Represented the Open Science Special Interest Group in developing a plan for meeting community needs in online platforms and resources for the 27th annual meeting of the Organization for Human Brain Mapping in 2021, a virtual meeting due to COVID-19 concerns.

Organization for Human Brain Mapping

Distance Based Education Taskforce • SIG Representative

March 2020 – June 2020

Represented the Open Science Special Interest Group in designing online resources based on programming from annual meetings of the Organization for Human Brain Mapping, planning virtual meeting in place of the 2020 annual meeting due to COVID-19 concerns.

Organization for Human Brain Mapping

Open Science Special Interest Group • Secretary Elect

August 2019 – August 2020

Assisted with organizing and minute taking for meetings in anticipation for my role as Open Science Special Interest Group Secretary from August 2020 to August 2021; assisted in hosting social hours, discussions, and panels in the Open Science Room for the 2020 virtual meeting of OHBM.

Florida International University, Department of Psychology •

Student Representative, Cognitive Neuroscience PhD Program

August 2019 – August 2020

Represented the interests of the students in FIU's Cognitive Neuroscience PhD Program at Department faculty meetings; served as student liaison with Department of Psychology.

Neuroinformatics and Brain Connectivity Lab • Training Workshop Coordinator

August 2017 – 2019

Organized and occasionally led weekly/bi-weekly training workshops on neuroimaging methods & related analytic techniques, Florida International University.

Cognitive Neuroscience Journal Club • Coordinator

2015 – 2017, 2019 – 2020

Organized and communicated details of weekly/bi-weekly journal clubs for the Cognitive Neuroscience Graduate Program at Florida International University.

Neuroinformatics and Brain Connectivity Lab • Website Admin

August 2015 – August 2017

Responsible for maintenance of and updates to the NBC Lab's website.

HACKATHONS & COMPUTATIONAL EXPERIENCE

SOBP BrainHack 2024 • Austin, TX USA

May 2024

OHBM Hackathon 2023 • Montreal, QC CA

July 2023

OHBM Hackathon 2022 • Glasgow, Scotland UK

June 2022

OHBM Virtual Hackathon 2021 • Virtual

June 2021

Brainhack Global 2020 – Donostia • Virtual

November 2020

OHBM Virtual Hackathon 2020 • Virtual

June 2020

DC Code Convergence • National Institutes of Health • Washington, DC USA

November 2019

OHBM Hackathon 2019 • Rome, Italy

June 2019

Coastal Coding Workshop & Hackathon • Florida International University • Miami, FL USA

January 2019

BIDS Statistical Models Workshop • Stanford University • Palo Alto, CA USA

October 2018

INCF Neuroinformatics Hackathon • McGill University • Montreal, QC CA

August 2018

BrainConn Hackathon • Florida International University • Miami, FL USA

August 2018

Code Rodeo • University of Texas – Austin • Austin, TX USA

January 2018

OHBM Hackathon 2017 • University of British Columbia • Vancouver, BC CA

June 2017

KATHERINE BOTTENHORN

CONTINUING EDUCATION

SHARP Machine Learning Bootcamp • Columbia Mailman School of Public Health • Virtual	Summer 2023
On-the-Spot Feedback Workshop • Astronomical Society of the Pacific • Virtual	Fall 2020
NeuroHackademy • University of Washington – eScience Institute • Seattle, WA, USA	July to August 2019
Nipype Workshop & Hackweek • Massachusetts Institute of Technology • Cambridge, MA USA	March 2017
Software Carpentry Workshop • Florida International University • Miami, FL, USA	August 2016
Graph Theoretic Models of Brain Networks • OHBM • Geneva, Switzerland	June 2016

TEACHING, SCIENCE EDUCATION & OUTREACH

Conventional vs. Automated Meta-Analyses	July 2023
Taught a half-hour lecture on the relative strengths, weaknesses, and use cases for conventional (i.e., manual) and automated neuroimaging meta-analyses • Educational Course at the 28 th annual meeting of the Organization for Human Brain Mapping • Glasgow, Scotland UK	
fMRI & Brain Networks	February 2023
Taught a senior-level undergraduate class about the principles of functional magnetic resonance imaging, its utility in identifying and studying intrinsic functional brain networks; Led interactive class activity • Guest Lecture, HP409 Environmental Impacts on the Brain, University of Southern California • Los Angeles, CA	
Cultivating Open Science Practices in Academic Research and Culture	June 2022
Organized a half-day course, comprising 6 lectures and a panel discussion, focusing on integrating open science practices into existing research workflows at multiple levels of technical expertise, career stage • Educational Course at the 28 th annual meeting of the Organization for Human Brain Mapping • Glasgow, Scotland, UK	
Towards an individualized study of brain network connectivity	March 2022
Gave a lecture on the utility of dense longitudinal designs for studying individual variability in functional connectivity • Nu Rho Psi, the National Honor Society in Neuroscience, at the University of Southern California, Virtual	
Meta-analysis the hard way (manually)	June 2021
Gave a half-hour lecture on manual meta-analytic dataset curation for a half-day course on neuroimaging meta-analyses • Educational Course at the 27 th annual meeting of the Organization for Human Brain Mapping • Virtual	
Reproducible Data Visualization in Python Lecture	February 2021
Gave tutorial-based lecture on visualizing data and neuroimaging results in Python • ABCD-ReproNim Course, Virtual	
Brain Network Visualization in Python Tutorial	August 2020
Lead tutorial on visualizing brain networks and connectomes in Python at the Cognitive Neuroscience graduate program's Current Topics in Neuroscience series • Florida International University, Miami, FL	
Git & GitHub Tutorial	August 2019
Lead tutorial on Git & GitHub at the Cognitive Neuroscience graduate program's Neuro Bootcamp for incoming graduate students • Florida International University, Miami, FL	
Data Visualization in Python Tutorial	August 2019

KATHERINE BOTTENHORN

Lead tutorial on data visualization in python at the Cognitive Neuroscience graduate program's Neuro Bootcamp for incoming graduate students • Florida International University, Miami, FL

UM-FIU Nipype Club

February 2019 to June 2019

Presented and lead Nipype tutorials to neuroscience graduate students from the University of Miami and Florida International University • University of Miami, Miami, FL

Graph Theory Workshop

June 2018 to June 2019

Lead bi-weekly workshops, with lectures & occasional tutorials on various topics covered in *Fundamentals of Brain Network Analysis* to members of the Cognitive Neuroscience graduate program • Florida International University, Miami, FL

Frost Science Museum, Investigating Our Brain Spring Camp

March 2018

Presented an interactive research showcase on the brain and (to a lesser extent) neuroimaging, grades K-5 • Frost Science Museum, Miami, FL

Seed-Based Functional Connectivity Workshop

Summer 2017

Lead 9 weekly workshops (1) walking through the preprocessing and analysis steps involved in estimating seed-based functional connectivity, with lectures & tutorials, and (2) evaluating seminal functional connectivity papers to members of the Cognitive Neuroscience graduate program • Florida International University, Miami, FL

Frost Science Museum • Scientific Consultant, Map the Action

January 2017

Consulted, provided data, visualization, and copy for a brain anatomy & function exhibit, *Map the Action*, for the Frost Science Museum in Miami, FL

Brain Myths

May 2016

Gave lectures dispelling popular brain myths (e.g., you only use 10% of your brain) to Advanced Placement biology students, grades 10-12 • Westport High School, Ocala, FL

Neuropathology

May 2016

Gave lectures describing the symptoms and neurobiology of stroke, aphasia, and neurodegenerative diseases to biology students, grades 10-12 • Westport High School, Ocala, FL

Auburn University Brain Camp

Summer 2014

Served as a teaching assistant at an educational summer camp introducing high school students to neuroscience and neuroimaging, grades 11 & 12 • Auburn University, Auburn, AL

Junior Mad Scientist • Presenter, Organizer

November 2013, 2014

Organized, developed materials, and gave presentations for a community science fair, grades K-8, hosted at Auburn University in Auburn, AL

PEER-REVIEWED JOURNAL ARTICLES (H-INDEX: 13)

1. Sukumaran K, **Bottenhorn KL**, Schwartz J, Gauderman J, Cardenas-Inigues C, McConnell R, Hackman D, Berhane K, Ahmadi H, Habre R, Herting MM (Accepted). *Associations between particulate matter components, their sources, and cognitive outcomes in U.S. children ages 9-10 years old*. Environmental Health Perspectives.
2. Herting MM, **Bottenhorn KL**, Cotter D (2024). *Outdoor air pollution and brain development in childhood and adolescence*. Trends in Neurosciences. DOI: 10.1016/j.tins.2024.06.008
3. Cotter D, Ahmadi H, Cardenas-Iniguez C, **Bottenhorn KL**, Gauderman WJ, McConnell R, ..., Herting MM. (2024). *Sex-specific effects in how childhood exposures to multiple ambient air pollutants affect white matter*

KATHERINE BOTTENHORN

- microstructure development across early adolescence*. Communications Medicine. DOI: 10.1038/s43856-024-00576-x
4. Yu Y, Pintos Lobo R, Riedel MC, **Bottenhorn KL**, Laird AR, & Nichols TE (2024). *Neuroimaging Meta Regression for Coordinate Based Meta Analysis Data with a Spatial Model*. Biostatistics. DOI: 10.1093/biostatistics/kxae024
 5. Lopez DA, Cardenas-Iniguez C, Subramaniam P, Adise S, **Bottenhorn KL**, ... Nagel BJ, Huber R (2024). *Transparency and Reproducibility in the Adolescent Brain Cognitive Development (ABCD) Study*. Developmental Cognitive Neuroscience. DOI: 10.1016/j.dcn.2024.101408
 6. **Bottenhorn KL**, Sukumaran K, Cardenas-Iniguez C, Habre R, Schwartz J, Chen JC, Herting MM (2024). *Air pollution from biomass burning disrupts early adolescent cortical microarchitecture development*. Environment International. DOI: 10.1016/j.envint.2024.108769
 7. **Bottenhorn KL**, Cardenas-Iniguez C, Schachner JN, Rosario MA, Mills KL, Laird AR, Herting MM (2024). *Adolescent neurodevelopmental variance across social strata*. JAMA Network Open, 7(5), e2410441. DOI: 10.1001/jamanetworkopen.2024.10441
 8. Peraza JA, Salo T, Riedel MC, **Bottenhorn KL**, Poline J-B, Dockès J, Kent JD, Bartley JE, Flannery JS, Hill-Bowen LD, Lobo RP, Poudel R, Ray KL, Robinson JL, Laird RW, Sutherland MT, de la Vega A, Laird AR (2024). *Methods for decoding cortical gradients of functional connectivity*. Imaging Neuroscience. DOI: 10.1162/imag_a_00081
 9. Campbell CE, Cotter DL, **Bottenhorn KL**, Burnor E, Ahmadi H, Gauderman WJ, et al. (2023). *Air pollution and age-dependent changes in emotional behavior across early adolescence in the U.S*. Environmental Research. 117390. DOI: 10.1016/j.envres.2023.117390
 10. Salo T, Yarkoni T, Nichols TE, Poline, J-B, Bilgel M, **Bottenhorn KL**, Jarecka D, Kent JD, Kimbler A, Nielson DM, Oudyk KM, Peraza JA, Pérez A, Reenders PC, Yanes JA, & Laird AR (2023). *NiMARE: Neuroimaging Meta-Analysis Research Environment*. Aperture Neuro, 3, DOI: 10.52294/001c.87681
 11. **Bottenhorn KL**, Salo T, Riedel MC, Musser ED, Robinson JL, Sutherland MT, Laird AR. (2023). *Denoising physiological data collected during multi-band, multi-echo EPI sequences*. Aperture Neuro, 3. DOI: 10.52294/001c.87572
 12. **Bottenhorn KL**, Cardenas-Iniguez C, Mills K, Laird AR, Herting MM. (2023). *Profiling intra- and inter-individual differences in brain development across early adolescence*. NeuroImage, 279, 120287. DOI: 10.1016/j.neuroimage.2023.120287
 13. Nikolaidis A, Mancini M, Auer T, L. **Bottenhorn KL**, Alonso-Ortiz E, Gonzalez-Escamilla G, Valk S, Glatard T, Selim Atay M, M.M. Bayer J, Bijsterbosch J, et al. (2023). *Proceedings of the OHBM Brainhack 2021*. Aperture Neuro 3:1–20. DOI: 10.52294/258801b4-a9a9-4d30-a468-c43646391211
 14. Smith DD, Meca A, **Bottenhorn KL**, Bartley JE, Riedel MC, Salo T, Peraza JA, Laird RW, Pruden SM, Sutherland MT, Brewe E, & Laird AR (2023). *Task-based attentional and default mode connectivity associated with STEM anxiety profiles among university physics students*. Trends in Neuroscience Education, 32, 100204. DOI: 10.1016/j.tine.2023.100204
 15. Meca A, Riedel MC, Peraza JA, Musser ED, Salo T, Flannery JS, **Bottenhorn KL**, Dick AS, Pintos Lobo R, Ucros LM, Greaves CA, Hawes SW, Sanchez M, Gonzalez MR, Sutherland MT, Gonzalez R, & Laird AR. (2023). *Acculturative orientations among Hispanic/Latinx caregivers in the ABCD Study: Associations with caregiver and youth mental health and youth brain function*. Biological Psychiatry: Global Open Science. DOI: 10.1016/j.bpsgos.2023.02.005
 16. Sukumaran K, Cardenas-Iniguez C, Burnor E, **Bottenhorn KL**, Hackman DA, McConnel R, Berhane K, Schwartz J, Chen JC, Herting MM (2023). *Ambient fine particulate exposure and subcortical gray matter microarchitecture in 9- and 10-year-olds children across the United States*. iScience. DOI: /10.1016/j.isci.2023.106087
 17. Pintos Lobo R, **Bottenhorn KL**, Riedel MC, Toma AI, Hare MM, Smith DD, Moor AC, Cowan IK, Valdes JA, Bartley JE, Salo T, Boeving ER, Pankey B, Sutherland MT, Musser ED, & Laird AR (2023). *Neural systems underlying*

KATHERINE BOTTENHORN

- RDoC social constructs: An activation likelihood estimation meta-analysis*. Neuroscience & Biobehavioral Reviews, 144, 104971. DOI: j.neubiorev.2022.104971
18. Flannery JS, Riedel MC, Hill-Bowen LD, Poudel R, **Bottenhorn KL**, Salo T, Laird AR, Gonzalez R, Sutherland MT (2022). *Altered large-scale brain network interactions associated with HIV infection and error processing*. Network Neuroscience. 1-25. DOI: 10.1162/netn_a_00241
 19. *DuPre E, *Salo T, Ahmed Z, Bandettini PA, **Bottenhorn KL**, Caballero-Gaudes C, Dowdle LT, Gonzalez-Castillo J, Heunis A, Kundu P, Laird AR, Markello R, Markiewicz CJ, Moia S, Staden I, Teves JB, Uruñuela E, Vaziri-Pashkam M, Whitaker K, Handwerker DA (2022). *TE-dependent analysis of multi-echo fMRI with tedana*. Journal of Open Source Software, 6(66), 3669, DOI: 10.21105/joss.03669
 20. Levitis, E, Gould van Praag, CD, Gau, R, Heunis, S, DuPre, E, Kiar, G, **Bottenhorn KL**, ..., Van Gulick A, Duff E, Maumet C. (2021). *Centering inclusivity in the design of online conferences*. GigaScience. DOI: 10.1093/gigascience/giab051
 21. *Gau R, *Noble S, *Heuer K, ***Bottenhorn KL**, *Bilgin IP, Yang Y., ... the Brainhack Community (2021). *Brainhack: Developing a culture of open, inclusive, community-driven neuroscience*. Neuron. DOI: 10.1016/j.neuron.2021.04.001
 22. Botvinik-Nezer R, Holzmeister F, Camerer CF, Dreber A, Huber J, Johannesson M, ..., **Bottenhorn KL**, ... Schonberg T. (2020). *Variability in the analysis of a single neuroimaging dataset by many teams*. Nature. DOI: 10.1101/843193
 23. *Bielczyk NZ, *Ando A, *Badhwar A, *Caldinell C, *Gao M, *Haugg A, *Hernandez LM, *Ito K, *Kessler D, *Lurie D, *Makary MM, *Nikolaidis A, *Veldsman M, ..., **Bottenhorn KL**, ... OHBM Student and Postdoc Special Interest Group (2020). *Effective self-management for early career researchers in the natural and life sciences*. Neuron. DOI: 10.1016/j.neuron.2020.03.015
 24. *Waller R, *Hawes SW, Byrd AL, Dick AS, Sutherland MT, Riedel MC, Tobia MJ, **Bottenhorn KL**, Laird AR, & Gonzalez R. (2020). *Disruptive Behavior Problems, Callous-Unemotional Traits, and Regional Gray Matter Volume in the ABCD Study*. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging. DOI: 10.1016/j.jbpsc.2020.01.002
 25. Flannery JS, Riedel MC, **Bottenhorn KL** Poudel R, Salo T, Hill-Bowen LD, Laird AR, Sutherland MT (2020). *Meta-analytic clustering dissociates brain activity and behavior profiles across reward processing paradigms*. Cogn Affect Behav Neurosci 20, 215–235. DOI: 10.3758/s13415-019-00763-7
 26. ***Bottenhorn KL**, *Gonzalez AA, Bartley JE, Hayes T, Riedel MC, Salo T, ... Laird AR (2019). *Sex differences in brain correlates of STEM anxiety*. Npj Science of Learning. DOI: 10.1038/s41539-019-0058-9
 27. Bartley JE, Riedel MC, Salo T, Boevig ER, **Bottenhorn KL**, Bravo EI, ... Laird AR (2019). *Brain activity links performance in science reasoning with conceptual approach*. Npj Science of Learning. DOI: 10.1038/s41539-019-0059-8
 28. Bartley JE, Riedel MC, Salo T, Boevig ER, **Bottenhorn KL**, Bravo EI, ... Laird AR (2018). *Meta-analytic evidence for a core problem solving network across multiple representational domains*. Neuroscience and Biobehavioral Reviews, 526574. DOI: 10.1016/j.neubiorev.2018.06.009
 29. Brewe E, Bartley JE, Riedel MC, Sawtelle V, Salo T, Boevig ER, Bravo EI, Odean R, Nazareth A, **Bottenhorn KL**, Laird RW, Sutherland MT, Pruden SM, Laird AR (2018). *Toward a neurobiological basis for understanding learning in University Modeling Instruction physics courses*. Frontiers in ICT. DOI: 10.3389/fict.2018.00010
 30. **Bottenhorn KL**, Flannery JS, Boevig ER, Riedel MC, Eickhoff SB, Sutherland MT, Laird AR (2018). *Cooperating yet distinct brain networks engaged during naturalistic paradigms: A meta-analysis of functional neuroimaging data*. Network Neuroscience. DOI: 10.1162/NETN_a_00050
 31. Robinson JL, Barron DS, Kirby LAJ, **Bottenhorn KL**, Hill AC, Murphy JE, ... Fox PT. (2015). *Neurofunctional topography of the human hippocampus*. Human Brain Mapping, 36(12), 5018–37. DOI: 10.1002/hbm.22987

KATHERINE BOTTENHORN

*Authors contributed equally to this manuscript

PREPRINTS & MANUSCRIPTS UNDER REVIEW

1. ***Bottenhorn KL**, *Salo T, Peraza JA, Riedel MC, Flannery JS, Kimbler A, Toll A, Suarez D, Cruz FM, Zagales I, Caldes N, Dolan O, Zagales R, Sutherland MT, Laird RW, Laird AR (Preprint). *Dense Investigation of Variability in Affect (DIVA): A Neuroimaging Study of Premenopausal Female Participants*. bioRxiv. DOI: 10.1101/2024.04.16.589598
2. Overholtzer LN, Ahmadi H, **Bottenhorn KL**, Hsu E, Herting MM (Accepted). *Delay Discounting, Nucleus Accumbens Functional Connectivity, and Adolescent Obesity in the ABCD Study*.
3. **Bottenhorn KL**, Salo T, Jacobs EG, Pritschet L, Taylor C, Herting MM, Laird AR (In prep.). *Idiosyncrasy and generalizability of contraceptive- and hormone-related functional connectomes across the menstrual cycle*.
4. **Bottenhorn KL**, Corbett JD, Ahmadi H, Herting MM (Under review). *Spatiotemporal patterns in cortical development: Age, puberty, and individual variability between ages 9-13 years* bioRxiv. DOI: 10.1101/2024.06.29.601354
5. Morrel J, Dong M, Rosario MA, Cotter D, **Bottenhorn KL**, Herting MM (Under review). A Systematic Review of Air Pollution Exposure and Brain Structure and Function during Development.
6. Torgerson C, **Bottenhorn KL**, Ahmadi H, Choupan J, Herting MM (Under review). More similarity than difference: comparison of within- and between-sex variance in early adolescent brain structure. bioRxiv. DOI: 10.1101/2024.08.15.608129

OPEN-SOURCE SOFTWARE, DATA RESOURCES

1. *Salo T, ***Bottenhorn KL**, Riedel MC, Flannery JS, Kimbler A, Laird RW, & Laird AR (2020). Dense Investigation of Variability of Affect (DIVA). *OpenNeuro [Dataset]*. DOI: 10.18112/openneuro.ds002278
2. The tedana Community, Ahmed Z, Bandettini PA, **Bottenhorn KL**, Caballero-Gaudes C, Dowdle LT, DuPre E, Gonzalez-Castillo J, Handwerker D, Heunis S, Kundu P, Laird AR, Markello R, Markiewicz CJ, Maullin-Sapey T, Moia S, Salo T, Staden I, Teves J, Uruñuela E, Vaziri-Pashkam M, Whitaker K. *ME-ICA/tedana: 0.0.11*. Zenodo; 2021. DOI: 10.5281/zenodo.5541689
3. Esteban O, Markiewicz CJ, Burns C, Goncalves M, Jarecka D, Ziegler E, Berleant S, Ellis DG, Pinsard B, Madison C, Waskom M, Notter MP, Clark D, Manhães-Savio A, Clark D, Jordan K, Dayan M, Halchenko YO, Loney F, ..., **Bottenhorn KL**, ... Ghosh, S. (2020). *nipy/nipype: 1.5.1*. Zenodo. DOI: 10.5281/zenodo.4035081
4. Salo T, Yarkoni T, Nichols TE, Kent JD, Gorgolewski KJ, Glerean E, **Bottenhorn KL**, Bilgel M, Wright J, Reeders PC, Nielson DN, Yanes JA, Pérez A, Laird AR. (2020). *neurostuff/NiMARE: 0.0.3*. Zenodo. DOI: 10.5281/zenodo.3892078

BOOK CHAPTERS

1. **Bottenhorn KL** & Laird AR (2021). *Data Mining in the Era of Big Data: The BrainMap Database as a Resource for Characterizing Brain Networks in Psychiatric Illness* In V. Diwadkar & S. Eickhoff (Eds.), *Brain Network Dysfunction in Neuropsychiatric Illness: Methods, Applications and Implications*. New York, NY: Springer Nature.

INVITED TALKS

1. **Bottenhorn KL** (2023, Sept). *Towards an individualized study of brain development*. Oral presentation given in to Rice University's Department of Psychology weekly seminar (Virtual).

KATHERINE BOTTENHORN

2. **Bottenhorn KL** (2023, Sept). *Profiling intra- and inter-individual differences in brain development across early adolescence*. Oral presentation given at the September 2023 Adolescent Brain Cognitive Development Study Council of Investigator's Meeting (Virtual).

PRESENTATIONS

1. **Bottenhorn KL**, Corbett J, Herting MM (2024, April). *Pubertal variability in patterns of neurodevelopment during early adolescence*. Oral presentation given in a symposium entitled, "Advancements in Measurement and Markers of Pubertal Development" at the annual meeting of the Society for Research on Adolescence. Chicago, IL, United States
2. **Bottenhorn KL** (2023, June). *Conventional vs. automated neuroimaging meta-analysis*. Oral presentation given in an educational course on Neuroimaging Meta-Analysis at the 29th annual meeting of the Organization for Human Brain Mapping. Montreal, QC, Canada. <https://youtu.be/PAWf6bjhnl>
3. ***Bottenhorn KL**, Atay MS (2021, June). *Addressing Inclusivity in Open Science*. Oral presentation given in a symposium Addressing the Social Limitations of Open Science at the 27th annual meeting of the Organization for Human Brain Mapping. Virtual. DOI: [10.5281/zenodo.4787550](https://doi.org/10.5281/zenodo.4787550)
4. **Bottenhorn KL** (2021, June). *Conventional, or manual, neuroimaging meta-analysis*. Oral presentation given in an educational course on Neuroimaging Meta-Analysis at the 27th annual meeting of the Organization for Human Brain Mapping. Virtual. DOI: [10.5281/zenodo.4898251](https://doi.org/10.5281/zenodo.4898251)
5. **Bottenhorn KL**, Alcalà D, Ayyagari A, Bright MG, Caballero Gaudes C, Chavarria I, Ferrer V, Hayashi S, Iacovella V, Lespinasse F, Markello R, Moia S, Oostenveld R, Salo T, Stickland R, Uruñuela E, Van Der Thiel M, Zvolanek K, The physiopy contributors (2021, May). *Physiopy: A community-driven suite of tools for physiological recordings in neuroimaging*. Oral presentation given at the Oral Scientific Session of the 2021 International Society of Magnetic Resonance in Medicine & Society for MR Radiographers and Technologists, Virtual.** Awarded Magna Cum Laude Merit Award.
6. **Bottenhorn KL** (2019, June). *The ghost of hackathons present: A Brainhack Carol*. Oral presentation given at the Hackathon preceding the 25th annual meeting of the Organization for Human Brain Mapping, Rome, Italy.
7. **Bottenhorn KL**, Bartley JE, Foreman J, Sutherland MT, Brew E, Laird AR (2019, January). *Sex differences in large-scale brain networks underlying domain-specific memory, intelligence, and academic performance*. Oral presentation given at the Current Topics in Neuroscience series, Miami, FL, USA.
8. **Bottenhorn KL**, Keshavan A, Somani N, Ramesh S, Poline, J-B, Laird AR (2018, June). *Brainspell: An open, human-curated classification of neuroimaging literature*. Oral presentation given at BrainHack-Miami 2018, Miami, FL, USA
9. **Bottenhorn KL**, Salo T, Sutherland MT, Laird AR (2018, January). *Neurosynth vs. BrainMap: A systematic comparison of functional decoding approaches*. Oral presentation given at the Current Topics in Neuroscience series, Miami, FL, USA.
10. **Bottenhorn KL**, di Visconti MOC, DuPre E, Markello R, Nielson D, Salo T. (2017, June). *AFNI Love: Porting AFNI interfaces to Nipype*. Oral presentation given at the 23rd annual meeting of the Organization for Human Brain Mapping, Vancouver, BC, Canada.
11. **Bottenhorn KL**, Robinson JL, Flannery JS, Boeving ER, Salo T, Riedel MC, Eickhoff SB, Yane, JA, Sutherland MT, Laird AR (2017, March). *A multimodal connectivity investigation of the habenula*. Oral presentation given at BrainHack-Miami 2017, Miami, FL, USA
12. **Bottenhorn KL**, Robinson JL, Flannery J, Riedel MC, Yanes JA, Sutherland M, Laird AR, (2016, March). *Resting state functional connectivity of the human habenula using ultra-high field, high-resolution imaging at 7T*. Oral presentation given at Florida International University's Graduate Student Scholarly Forum, Miami, FL, USA.

KATHERINE BOTTENHORN

13. **Bottenhorn KL**, Laird AR, Robinson JL, (2015, October). *Connectivity of the human hypothalamus: An integration of meta-analytic connectivity modeling and ultra-high-field MR data*. Oral presentation given at BrainHack–Miami 2015, Miami, FL, USA.
14. **Bottenhorn KL** & Robinson JL, (2015, April). *Connectivity of the human hypothalamus using ultra-high field, high-resolution imaging at 7T*. Oral presentation at Auburn University’s annual Research Week, Auburn, AL, USA.

PEER-REVIEWED CONFERENCE ABSTRACTS

1. **Bottenhorn KL**, Sukumaran K, Habre R, Herting MM (2023, September). *Alterations of brain microarchitecture and functional connectome development associated with exposure to various sources of air pollution during the transition to adolescence*. Poster presented at the 2023 annual Flux Congress, Santa Rosa, CA, US.
2. **Bottenhorn KL**, Herting MM (2023, July). *Data-driven profiles of brain development during the transition to adolescence*. Poster presented at the 29th Annual Meeting of the Organization for Human Brain Mapping, Montreal, QC, Canada.
3. Peraza JA, Salo T, Riedel MC, **Bottenhorn KL**, Poline J-B, Dockès J, Kent JD, Bartley JE, Flannery JS, Hill-Bowen LD, Lobo RP, Poudel R, Ray KL, Robinson JL, Laird RW, Sutherland MT, de la Vega A, Laird AR (2023, June). *Meta-analytic decoding of the cortical gradient of functional connectivity*. Poster presented at the 29th Annual Meeting of the Organization for Human Brain Mapping, Montreal, QC, Canada.
4. Smith DD, Meca A, Bartley JE, Riedel MC, Salo T, Peraza JA, **Bottenhorn KL**, Laird RW, Pruden SM, Sutherland MT, Brewe E, Laird AR (2023, June). *Task-based attentional and default mode connectivity associated with STEM anxiety profiles among university physics students*. Poster presented at the 29th Annual Meeting of the Organization for Human Brain Mapping, Montreal, QC, Canada.
5. **Bottenhorn KL**, Herting MM (2022, June). *Individual variability in structural brain development with respect to sex and puberty*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.
6. **Bottenhorn KL**, Salo T, Riedel MC, Laird RW, Laird AR (2022, June). *Endocrine sources of within-individual brain network variability*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.
7. Handwerker D, Ahmed Z, Bandettini P, **Bottenhorn KL**, Caballero-Gaudes C, Dowdle L, DuPre E, Heunis S, Kitzbicher M, Laird AR, Moia S, Salo T, Teves J, Uruñuela E, Vaziri-Pashkam M (2022, June). *Tedana+: Multi-echo fMRI and related open tools*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.
8. Yu Y, Pintos Lobo R, Riecel MC, **Bottenhorn KL**, Laird AR, Nichols TE (2022, June). *Coordinate Based Meta Regression with a Spatial Model*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.
9. Kent J, Lee N, Salo T, **Bottenhorn KL**, Dockès J, Blair R, Nichols TE, Laird AR, Poline J-B, Yarkoni T, de la Vega A (2022, June). *Neurosynth-Compose: A Web-Based Platform for Reproducible Neuroimaging Meta-Analysis*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.
10. Romero-Bascones D, Moia S, Alcalà D, Ayyagari A, **Bottenhorn KL**, Bright MG, Caballero-Gaudes C, Chavarria I, Duncan N, Ferrer V, Hayashi S, Iacovella V, Lenc T, Lespinasse F, Oostenveld R, Salo T, Stickland R, Uruñuela E, Wang HT, Zvolanek K, Zwiers M (2022, June) *Physiopy: a Python suite for handling physiological data recording in MRI settings*. Poster presented at the 28th annual meeting of the Organization for Human Brain Mapping, Glasgow, UK & Virtual.

KATHERINE BOTTENHORN

11. **Bottenhorn KL**, Salo T, Riedel MC, Musser ED, Robinson JL, Sutherland MT, & Laird AR (2021, June). *Denoising physiological data collected during multi-band, multi-echo EPI sequences*. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping, Virtual.
12. **Bottenhorn KL**, Salo T, Bartley JE, Flannery JS, Sutherland MT, & Laird AR (2021, June). *IDConn: A Python pipeline for investigating individual differences in functional connectivity*. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping, Virtual.
13. Markiewicz C, Blair R, **Bottenhorn KL**, Chen G, De La Vega A, DuPre E, Esteban O, Ghosh S, Lee J, Maumet C, Narayan M, Nichols T, Nielson D, Ombao H, Poldrack R, Poline J-B, Wagner A, Yarkoni T (2021, June). *BIDS Statistical Models - An implementation-independent representation of General Linear Models*. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping, Virtual.
14. Handwerker D, Ahmed Z, Bandettini P, **Bottenhorn KL**, Caballero-Gaudes C, Dowdle L, DuPre E, Gonzalez-Castillo J, Laird AR, Markello R, Moia S, Salo T, Teves J, Uruñuela E, Vaziri-Pashkam M, Whitaker K (2021, June). *Tedana: Multi-echo fMRI tools and resources*. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping, Virtual.
15. Lespinasse F, Moia S, **Bottenhorn KL**, Alcalá D, Ayyagari A, Bright M, Caballero-Gaudes C, Chavarria I, Ferrer V, Hayashi S, Iacovella V, Markello R, Oostenveld R, Salo S, Stickland R, Uruñuela E, Van Der Thiel M, Zvolanek K, The physiopy contributors phys2bids (2021, June). *Physiopy/phys2bids v2.3.3: BIDS formatting of physiological recordings*. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping, Virtual.
16. Pintos Lobo R, Toma AI, **Bottenhorn KL**, Hare MM, Smith D, Moor AC, Cowan IK, Valdes JA, Musser ED, Laird AR. (2020, Sept.) *Neural systems underlying RDoC social constructs: An activation likelihood estimation meta-analysis*. Flux 2020 Virtual Congress, 2020.
17. **Bottenhorn KL**, Bartley JE, Riedel MC, Salo T, Bravo EI, Odean R, Nazareth A, Laird RW, Pruden SM, Sutherland MT, Bewe, E, Laird AR (2020, June). *Intelligence and academic performance: Is it all in your head?* Poster presented at the 26th annual meeting of the Organization for Human Brain Mapping, Montreal, Canada (moved online due to the COVID-19 global pandemic).
18. Salo T, **Bottenhorn K**, Nichols T, Gorgolewski K, Riedel MC, Kent J, Glerean E, Bilgel M, Wright J, Reeders P, Nielson D, Yanes JA, Pérez A, Sutherland MT, Laird AR. (2020, June) *NiMARE: A neuroimaging meta-analysis research environment*. 26th annual meeting of the Organization for Human Brain Mapping, Montreal, Canada (moved online due to the COVID-19 global pandemic, 2020).
19. Handwerker D, Bandettini P, **Bottenhorn KL**, Caballero-Gaudes C, Dowdle L, Dupre E, Gonzalez-Castillo J, Laird AR, Lee J, Markello R, Moia S, Salo T, Teves J, Uruñuela E, Vaziri-Pashkam, Whitaker K. (2020, June) *tedana: Multi-echo software and communal resources*. Poster presented at the 26th annual meeting of the Organization for Human Brain Mapping, Montreal, Canada (moved online due to the COVID-19 global pandemic).
20. Yanes JA, **Bottenhorn KL**, Salo T, Riedel M, Laird AR, Robinson J. (2019, August). *Data mining reveals discrete neurobiological systems that contribute to pain processing*. Poster presented at UW eScience Institute's NeuroHackademy summer school in Seattle, WA, USA
21. **Bottenhorn KL**, Bartley JE, Riedel MC, Salo T, Bravo EI, Odean R, Nazareth A, Laird RW, Pruden SM, Sutherland MT, Bewe E, Laird AR (2019, June). *Large-scale brain networks underlying domain-specific memory, intelligence, and academic performance*. Poster presented at the 25th annual meeting of the Organization for Human Brain Mapping in Rome, Italy.
22. Yanes JA, **Bottenhorn KL**, Salo T, Riedel M, Laird AR, Robinson J. (2019, June) *Data mining reveals discrete neurobiological systems that contribute to pain processing*. Poster presented at the 25th annual meeting of the Organization for Human Brain Mapping, Rome, Italy, 2019.

KATHERINE BOTTENHORN

23. Salo T, **Bottenhorn KL**, Nichols TE, Gorgolewski C, Riedel MC, Sutherland MT, Yarkoni T, Laird AR. (2019, June) *NiMARE: Neuroimaging Meta-Analysis Research Environment*. Poster presented at the 25th annual meeting of the Organization for Human Brain Mapping, Rome, Italy, 2019.
24. Bartley J, Riedel M, Salo **Bottenhorn KL**, Bravo E, Odean R, Nazareth A, Laird R, Sutherland M, Pruden S, Brewe E, Laird AR. *Brain networks underlying sex and pedagogy differences in physics learning*. Poster presented at the 25th annual meeting of the Organization for Human Brain Mapping, Rome, Italy, 2019.
25. **Bottenhorn KL**, Riedel MC, Sutherland MT, Gonzalez, R, Laird AR (2019, May). *Uncovering a latent factor structure underlying pre-adolescent self-regulation and its neural substrates*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society in Miami, FL, USA.
26. **Bottenhorn KL**, Robinson JL, Yanes, JA, Flannery JS, Sutherland MT, Laird AR (2019, May). *Intrinsic connectivity of the human habenula and its relation to negative affect*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society in Miami, FL, USA.
27. Yanes J, **Bottenhorn KL**, Salo T, Riedel M, **Laird AR**, Robinson J. (2019, May). *Data mining reveals discrete neurobiological systems that contribute to pain processing*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society in Miami, FL, USA
28. **Bottenhorn KL**, Bartley JE, Riedel MC, Salo T, Bravo, EI, Odean, R, Nazareth, A, Laird RW, Pruden, S. M, Sutherland MT, Brewe E, Laird AR (2019, April). *Large-scale brain networks underlying domain-specific memory, intelligence, and academic performance*. Poster presented at the annual meeting of the Conference of Florida Graduate Schools Statewide Graduate Research Symposium & Poster Competition in Miami, FL, USA.
29. **Bottenhorn KL**, Keshavan, A, Somani N, Ramesh S, Poline, J-B, Laird AR (2019, April). *metaCurious: A web application for meta-analytic dataset curation and annotation*. Poster presented at the Fifth Annual BRAIN Initiative Investigator's Meeting in Washington, DC, USA. ** Awarded Trainee Travel Award.
30. Salo T, **Bottenhorn KL**, Nichols TE, Riedel MC, Sutherland MT, Yarkoni T, Laird AR. *NiMARE: Neuroimaging Meta-Analysis Research Environment*. Fifth Annual BRAIN Initiative Investigator's Meeting, Washington, DC, USA, 2019.
31. **Bottenhorn KL**, Bartley JE, Riedel MC, Salo T, Bravo, EI, Odean R, Nazareth A, Laird RW, Pruden SM, Sutherland MT, Brewe E, Laird AR (2019, March). *Large-scale brain networks underlying domain-specific memory, intelligence, and academic performance*. Poster presented at Florida International University's annual Graduate Student Appreciation Week Scholarly Forum & Poster Competition in Miami, FL, USA. ** Awarded 1st place in the College of Arts, Sciences, and Education Poster Session.
32. **Bottenhorn KL**, Salo T, Sutherland MT, & Laird AR (2018, August). *Quantitative comparison of functional decoding approaches across meta-analytic frameworks*. Poster presented at the annual meeting of the International Neuroinformatics Coordinating Facility, Neuroinformatics 2018, in Montreal, QC, Canada (DOI: [10.7490/f1000research.1115906.1](https://doi.org/10.7490/f1000research.1115906.1))
33. Salo T, **Bottenhorn KL**, Nichols TE, Riedel MC, Sutherland MT, Yarkoni T, Laird AR. *NiMARE: Neuroimaging Meta-Analysis Research Environment*. International Neuroinformatics Coordinating Facility (INCF) Congress, Montreal, Canada, 2018.
34. **Bottenhorn KL**, Robinson JL, Flannery JS, Boevig ER, Salo T, Riedel MC, Eickhoff, S. B, Yanes JA, Sutherland MT, Laird AR (2017, June). *Connectivity of the human habenula using 7T resting state and meta-analytic co activation modeling*. Poster presented at the 23rd annual conference of the Organization for Human Brain Mapping, Vancouver, BC, Canada.
35. Flannery JS, Riedel MC, Poudel R, Salo T, **Bottenhorn KL**, Hill L, Laird AR, Sutherland MT. (2017, June) *Meta-analytic clustering dissociates activation and behavior profiles across reward processing data*. Oral

KATHERINE BOTTENHORN

presentation given at the 23rd annual meeting of the Organization for Human Brain Mapping, Vancouver, Canada, 1428.

36. Salo T, Riedel MC, Bartley JE, **Bottenhorn KL**, Yarkoni T, Turner MD, Turner JA, Sutherland MT, Laird AR. (2017, June). *A quantitative evaluation of Neurosynth's annotation methods*. Oral presentation given at the 23rd annual meeting of the Organization for Human Brain Mapping, Vancouver, Canada, Oral Presentation 1674.
37. Boevig ER, Toma A, Riedel MC, Bartley JE, **Bottenhorn KL**, Bzdok D, Eickhoff SB, Sutherland MT, Glahn DC, Laird AR. (2017, June) *Social neuroimaging meta-analysis through the RDoC lens yields distinct context-driven cliques*. Oral presentation given at the 23rd annual meeting of the Organization for Human Brain Mapping, Vancouver, Canada, 4226.
38. **Bottenhorn KL**, Sutherland MT, Laird AR (2016, June). *Naturalistic paradigms in fMRI research: An ALE meta-analysis*. Poster presented at the 22nd annual conference of the Organization for Human Brain Mapping, Geneva, Switzerland.
39. **Bottenhorn KL** & Robinson JL (2015, June). *Functional connectivity of the human hypothalamus: A meta-analytic and ultra-high field magnetic resonance imaging study*. Poster presented at the 21st annual conference of the Organization for Human Brain Mapping, Honolulu, HI, USA.
40. **Bottenhorn KL** & Robinson JL (2014, June). *Functional connectivity of the human hypothalamus using meta-analytic connectivity modeling*. Poster presented at the 20th annual conference of the Organization for Human Brain Mapping, Hamburg, Germany.
41. **Bottenhorn KL** & Robinson JL (2014, April). *Functional connectivity of the human hypothalamus using meta-analytic connectivity modeling*. Poster presented at Auburn University's annual Research Week, Auburn, AL.
42. **Bottenhorn KL**, Tuttle R, Ben-Jonathan N. (2013, August). *Dopamine receptor agonists suppress viability of head and neck cancer cells*. Poster presented at the University of Cincinnati Summer Undergraduate Research Fellowship Poster Presentation, Cincinnati, OH, USA.