TAYLOR SALO

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PROFILE

Methodologically-oriented cognitive neuroscientist focused in neuroinformatics. Strong technical skills in neuroimaging data processing, analysis, and meta-analysis. Passionate about transparency, reproducibility, and research software development.

EDUCATION

Ph.D. Florida International University, Cognitive Neuroscience   **2018 – 2022**
  - Dissertation: Developing and Validating Open Source Tools for Advanced Neuroimaging Research
  - Advisor: Dr. Angela Laird

M.S. Florida International University, Psychology   **2015 – 2018**
  - Thesis: Meta-analytic search term performance and its effect on neuroimaging meta-analytic power
  - Advisor: Dr. Angela Laird

B.A. Cornell University, Psychology   **2009 – 2013**
  - Concentration in behavioral and evolutionary neuroscience
  - Advisor: Dr. Timothy DeVoogd

EXPERIENCE

Postdoctoral Researcher, **Lifespan Informatics & Neuroimaging Center**   **2022 – PRESENT**
Dr. Ted Satterthwaite, University of Pennsylvania

Graduate Assistant, **Neuroinformatics and Brain Connectivity Laboratory**   **2015 – 2022**
Dr. Angela Laird, Florida International University
  - Co-designed and executed a dense acquisition MRI pilot study.
  - Processed and analyzed neuroimaging data for multiple projects.
  - Implemented behavioral tasks in PsychoPy for multiple projects.
  - Developed, maintained, and/or contributed to several open source software projects.
  - Served as a Teaching Assistant for the ABCD-ReproNim Course (https://www.abcd-repronim.org).

Junior Specialist, **Translational Cognitive and Affective Neuroscience Laboratory**   **2013 – 2015**
Dr. Cameron Carter, University of California, Davis
  - Acquired neuroimaging and behavioral data from healthy controls and patients with psychosis for projects studying the effects of psychosis on cognitive control, emotion regulation, and brain structure.
  - Contributed to and maintained a custom codebase for the analysis of neuroimaging and behavioral data.
  - Processed and analyzed neuroimaging and behavioral data for several lab projects.
  - Administered behavioral tests and cognitive tasks, including the WASI and WRAT, to both control and clinical populations.
  - Trained incoming personnel to administer behavioral and cognitive tasks.

Lab Co-Manager/Research Assistant, Laboratory for Lifespan Affective Neuroscience   2011 – 2013
Dr. Barbara Ganzel, Cornell University
- Contributed to projects investigating functional and structural changes associated with subclinical trauma.
- Trained undergraduate students to preprocess and perform data diagnostics on fMRI data.

Undergraduate Research Assistant, Bird Song Behavior Laboratory   2012 – 2013
Dr. Timothy DeVoogd, Cornell University
- Prepared solutions for, and assisted in, intracranial perfusion, dissection, and staining of bird brains.
- Examined avian song-related neural regions microscopically.

SOFTWARE AND PROJECT DEVELOPMENT

NiMARE   NIMARE.READTHEDOCS.IO
Lead Developer

NiMARE (Neuroimaging Meta-Analysis Research Environment) is a Python library for performing meta-analyses, and derivative analyses using meta-analytic data, for neuroimaging research. This tool supports a range of coordinate- and image-based meta-analysis algorithms. NiMARE was conceived at the Code Rodeo sprint in 2018, and since then I have been the lead developer. NiMARE is part of a growing ecosystem of primarily Python-based tools for meta-analysis, including NeuroStore, Neurosynth 2.0, NeuroQuery, and PyMARE.

The Brain Imaging Data Standard   BIDS-SPECIFICATION.READTHEDOCS.IO
Maintainer Team Member

The Brain Imaging Data Standard (BIDS) is a specification for organizing and annotating neuroimaging data. As a member of the maintainers team, I have been responsible for ensuring specification consistency and helping contributors (especially large-scale BIDS extension proposals) add new elements to the specification. In addition to my regular maintainer work, I have also spearheaded the creation of the BIDS schema, which translates portions of the text-based specification into machine-readable YAML files. As of now, this schema directly renders the majority of tables within the specification, and we are in the process of using it in tools built around BIDS, including the BIDS validator, PyBIDS, and bids-matlab.

Tedana   TEDANA.READTHEDOCS.IO
Maintainer Team Member

Tedana (TE-Dependent ANAlysis) is a Python library for denoising multi-echo fMRI data. This library succeeds the meica.py tool, with several new features and a new emphasis on best programming practices. I have been a member of the Tedana maintainers team since 2018. In addition to developing Tedana directly, the maintainers team has also created several associated tools, including mapca, ddmra, godec, aroma, and RICA.

Nilearn   NILEARN.GITHUB.IO
Maintainer Team Member

Nilearn is a popular Python library for neuroimaging data analysis, decoding, and visualization. I joined the Nilearn maintainers team in 2021, and have primarily focused my contributions on improving documentation and general linear model support, including adding cluster-level and TFCE-based correction.

PyMARE   PYMARE.READTHEDOCS.IO
Lead Maintainer

PyMARE is a Python library for effect-size meta-analysis. PyMARE was developed as a sister library to NiMARE, with a focus on general-purpose meta-analyses. The meta-analytic estimators implemented in PyMARE are then used within NiMARE for image-based meta-analyses. Since PyMARE's primary developer left academia in 2021, I have filled in as its maintainer.

Other open source software   *Contributor*

I am a regular contributor to several other open source projects, including fMRIPrep, PyBIDS, HeuDiConv, and Neurosynth.

HONORS AND AWARDS

Brain Initiative Principal Investigators Meeting Trainee Travel Award	**2019**
Organization for Human Brain Mapping Hackathon Travel Award	**2017**
Organization for Human Brain Mapping Merit Abstract Travel Award	**2017**

HACKATHONS AND TRAINING

NiMARE/Neurosynth 2.0 Coding Sprint	**2022**
BIDS Schema Coding Sprint	**2022**
OHBM Hackathon	**2021**
BrainHack Donostia	**2020**
OHBM Hackathon	**2020**
NIH Code Convergence	**2019**
NIH Tedana Hackathon	**2019**
OHBM Hackathon	**2019**
Coastal Coding	**2019**
FIU Brainconn Hackathon	**2018**
BrainHack Montreal	**2018**
Code Rodeo	**2018**
OHBM Hackathon	**2017**
Neurohackweek	**2016**

PUBLICATIONS

1. Bouget MH, Kamentsky L, Ghosh SS, Mazzamuto G, Lazari A, Markiewicz CJ, Oostenveld R, Niso G, Halchenko YO, Lipp I, Takerkart S, Toussaint PJ, Khan AR, Nilsonne G, Castelli FM, **The BIDS Maintainers**[1], & Cohen-Adad J. (2022). Microscopy-BIDS: An Extension to the Brain Imaging Data Structure for Microscopy Data. *Frontiers in Neuroscience*. doi: 10.3389/fnins.2022.871228.

2. Poudel R, Tobia MJ, Riedel MC, **Salo T**, Flannery JS, Hill-Bowen LD, Dick AS, Laird AR, Parra CM, & Sutherland MT. (2022). Risky decision-making strategies mediate the relationship between amygdala activity and real-world financial savings among individuals from lower income households: A pilot study. *Behavioural Brain Research*. doi: 10.1016/j.bbr.2022.113867.

3. 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*. doi: 10.1162/netn_a_00241.

4. Norgaard M, Matheson GJ, Hansen HD, Thomas A, Searle G, Rizzo G, Veronese M, Giacomel A, Yaqub M, Tonietto M, ..., **Salo T**, ..., & Ganz M. (2022). PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. *Scientific data*. doi: 10.1038/s41597-022-01164-1.

5. Flannery JS, Riedel MC, **Salo T**, Hill-Bowen LD, Poudel R, Adams AR, Laird AR, Gonzalez R, & Sutherland MT. (2021). Interactive Effects of HIV Infection and Cannabis Use on Insula Subregion Functional Connectivity. *Journal of Neuroimmune Pharmacology*. doi: 10.1007/s11481-021-10005-8.

6. DuPre E[2], **Salo T**[2], Ahmed Z, Bandettini PA, Bottenhorn KL, Caballero-Gaudes C, Dowdle LT, Gonzalez-Castillo J, Heunis S, & Kundu P. (2021). TE-dependent analysis of multi-echo fMRI with tedana. *Journal of Open Source Software*. doi: 10.21105/joss.03669.

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[1]Member of the BIDS maintainers group
[2]Contributed equally

7. Flannery JS, Riedel MC, **Salo T**, Poudel R, Laird AR, Gonzalez R, & Sutherland MT. (2021). HIV infection is linked with reduced error-related default mode network suppression and poorer medication management abilities. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. doi: 10.1016/j.pnpbp.2021.110398.

8. Witt ST, van Ettinger-Veenstra H, **Salo T**, Riedel MC, & Laird AR. (2021). What executive function network is that? An image-based meta-analysis of network labels. *Brain topography*. doi: 10.1007/s10548-021-00847-z.

9. Hill-Bowen LD, Riedel MC, Poudel R, **Salo T**, Flannery JS, Camilleri JA, Eickhoff SB, Laird AR, & Sutherland MT. (2021). The cue-reactivity paradigm: An ensemble of networks driving attention and cognition when viewing drug and natural reward-related stimuli. *Neuroscience & Biobehavioral Reviews*. doi: 10.1016/j.neubiorev.2021.08.010.

10. Poudel R, Riedel MC, **Salo T**, Flannery JS, Hill-Bowen LD, Eickhoff SB, Laird AR, & Sutherland MT. (2020). Common and distinct brain activity associated with risky and ambiguous decision-making. *Drug and alcohol dependence*. doi: 10.1016/j.drugalcdep.2020.107884.

11. Botvinik-Nezer R, Holzmeister F, Camerer CF, Dreber A, Huber J, Johannesson M, Kirchler M, Iwanir R, Mumford JA, Adcock RA, ..., **Salo T**, ..., & Rieck JR. (2020). Variability in the analysis of a single neuroimaging dataset by many teams. *Nature*. doi: 10.1038/s41586-020-2314-9.

12. Bielczyk NZ, Ando A, Badhwar A, Caldinelli C, Gao M, Haugg A, Hernandez LM, Ito KL, Kessler D, Lurie D, ..., **Salo T**, ..., & 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.

13. 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. *Cognitive, Affective, & Behavioral Neuroscience*. doi: 10.3758/s13415-019-00763-7.

14. Morawetz C, Riedel MC, **Salo T**, Berboth S, Eickhoff SB, Laird AR, & Kohn N. (2020). Multiple large-scale neural networks underlying emotion regulation. *Neuroscience & Biobehavioral Reviews*. doi: 10.1016/j.neubiorev.2020.07.001.

15. Esteban O, Ciric R, Finc K, Blair RW, Markiewicz CJ, Moodie CA, Kent JD, Goncalves M, DuPre E, Gomez DE, ..., **Salo T**, ..., & Gorgolewski KJ. (2020). Analysis of task-based functional MRI data preprocessed with fMRIPrep. *Nature Protocols*. doi: 10.1038/s41596-020-0327-3.

16. Bolt T, Nomi JS, Arens R, Vij SG, Riedel M, **Salo T**, Laird AR, Eickhoff SB, & Uddin LQ. (2020). Ontological dimensions of cognitive-neural mappings. *Neuroinformatics*. doi: 10.1007/s12021-020-09454-y.

17. Yarkoni T, Markiewicz CJ, de la Vega A, Gorgolewski KJ, **Salo T**, Halchenko YO, McNamara Q, DeStasio K, Poline J, & Petrov D. (2019). PyBIDS: Python tools for BIDS datasets. *The Journal of Open Source Software*. doi: 10.21105/joss.01294.

18. Riedel MC, **Salo T**, Hays J, Turner MD, Sutherland MT, Turner JA, & Laird AR. (2019). Automated, efficient, and accelerated knowledge modeling of the cognitive neuroimaging literature using the athena toolkit. *Frontiers in neuroscience*. doi: 10.3389/fnins.2019.00494.

19. Gonzalez AA, Bottenhorn KL, Bartley JE, Hayes T, Riedel MC, **Salo T**, Bravo EI, Odean R, Nazareth A, & Laird RW. (2019). Sex differences in brain correlates of STEM anxiety. *NPJ science of learning*. doi: 10.1038/s41539-019-0058-9.

20. Bartley JE, Riedel MC, **Salo T**, Boeving ER, Bottenhorn KL, Bravo EI, Odean R, Nazareth A, Laird RW, & Sutherland MT. (2019). Brain activity links performance in science reasoning with conceptual approach. *NPJ Science of Learning*. doi: 10.1038/s41539-019-0059-8.

21. Bartley JE, Boeving ER, Riedel MC, Bottenhorn KL, **Salo T**, Eickhoff SB, Brewe E, Sutherland MT, & Laird AR. (2018). Meta-analytic evidence for a core problem solving network across multiple representational domains. *Neuroscience & biobehavioral reviews*. doi: 10.1016/j.neubiorev.2018.06.009.

22. Brewe E, Bartley JE, Riedel MC, Sawtelle V, **Salo T**, Boeving ER, Bravo EI, Odean R, Nazareth A, & Bottenhorn KL. (2018). Toward a neurobiological basis for understanding learning in university modeling instruction physics courses. *Frontiers in ICT*. doi: 10.3389/fict.2018.00010.

23. Ray KL, Lesh TA, Howell AM, **Salo T**, Ragland JD, MacDonald AW, Gold JM, Silverstein SM, Barch DM, & Carter CS. (2017). Functional network changes and cognitive control in schizophrenia. *NeuroImage: Clinical*. doi: 10.1016/j.nicl.2017.05.001.

24. Lopez-Garcia P, Lesh TA, **Salo T**, Barch DM, MacDonald AW, Gold JM, Ragland JD, Strauss M, Silverstein SM, & Carter CS. (2016). The neural circuitry supporting goal maintenance during cognitive control: a comparison of expectancy AX-CPT and dot probe expectancy paradigms. *Cognitive, Affective, & Behavioral Neuroscience*. doi: 10.3758/s13415-015-0384-1.

25. Phillips RC, **Salo T**, & Carter CS. (2015). Distinct neural correlates for attention lapses in patients with schizophrenia and healthy participants. *Frontiers in human neuroscience*. doi: 10.3389/fnhum.2015.00502.

ACCEPTED IN PRINCIPLE

1. **Salo T**, Bottenhorn KL, DuPre EM, Riedel MC, Handwerker DA, & Laird AR. (2022). Can multi-echo denoising remove motion-related noise? A replication & extension of Power et al. (2018). *Royal Society Open Science*.

PREPRINTS

1. **Salo T**, Yarkoni T, Nichols TE, Poline JB, Bilgel M, Bottenhorn KL, Jarecka D, Kent JD, Kimbler A, Nielson DM, Oudyk KM, Peraza JA, Pérez A, Reeders PC, Yanes JA, & Laird AR. (2022). NiMARE: Neuroimaging Meta-Analysis Research Environment. *NeuroLibre*.[3]

2. Pankey BS, Riedel MC, Cowan I, Bartley JE, Lobo RP, Hill-Bowen LD, **Salo T**, Musser ED, Sutherland MT, & Laird AR. (2022). Extended functional connectivity of convergent structural alterations among individuals with PTSD: A neuroimaging meta-analysis. *bioRxiv*. doi: 10.1101/2022.04.07.487478.

3. Lobo RP, Bottenhorn KL, Riedel MC, Toma AI, Hare MM, Smith DD, Moor AC, Cowan IK, Valdes JA, Bartley JE, **Salo T**, ..., & Laird AR. (2022). Neural systems underlying RDoC social constructs: An activation likelihood estimation meta-analysis. *bioRxiv*. doi: 10.1101/2022.04.04.487016.

4. Bottenhorn KL, **Salo T**, Riedel MC, Sutherland MT, Robinson JL, Musser ED, & Laird AR. (2021). Denoising physiological data collected during multi-band, multi-echo EPI sequences. *bioRxiv*. doi: 10.1101/2021.04.01.437293.

5. Bottenhorn K, Bartley J, Riedel M, **Salo T**, Bravo E, Odean R, Nazareth A, Laird R, Pruden S, & Sutherland M. (2021). Intelligence and academic performance: Is it all in your head?. *bioRxiv*. doi: 10.1101/2021.01.23.427928.

6. Clement P, Castellaro M, Okell TW, Thomas DL, Vandemaele P, Elgayar S, Oliver-Taylor A, Kirk T, Woods JG, Vos S, ..., **The BIDS Maintainers**[4], ..., & Mutsaerts H. (2021). ASL-BIDS, the brain imaging data structure extension for arterial spin labeling. *PsyArXiv*. doi: 10.31234/osf.io/e87y3

7. Karakuzu A, Appelhoff S, Auer T, Boudreau M, Feingold F, Khan AR, Lazari A, Markiewicz C, Mulder MJ, Phillips C, **Salo T**, ..., & de Hollander G. (2021). qMRI-BIDS: An extension to the brain imaging data structure for quantitative magnetic resonance imaging data. *medRxiv*. doi: 10.1101/2021.10.22.21265382.

8. Bartley JE, Riedel MC, **Salo T**, Bottenhorn KL, Boeving ER, Laird RW, Sutherland MT, Pruden SM, Brewe E, & Laird AR. (2019). Sex and pedagogy influences in physics learning-related reorganization of brain activation. *bioRxiv*. doi: 10.1101/791301.

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[3]This preprint is an interactive Jupyter book in which users can execute NiMARE analyses online. It has been submitted to Aperture for peer review and publication.

[4]Member of the BIDS maintainers group

OPEN DATASETS

1. **Salo T**[5], Bottenhorn KL[5], 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.v1.0.1.

INVITED TALKS AND SOFTWARE DEMONSTRATIONS

1. Laird AR & **Salo T**. (2021). Meta-analysis and reproducibility. Presented at Neurohackademy 2021; virtual. More information here.

2. **Salo T**. (2021). Hands-on tutorial with NiMARE. Presented at the Organization for Human Brain Mapping 2021 Annual Meeting; virtual. More information here.

3. **Salo T** & Uruñuela E. (2020). How to Start an Open Science Project from Scratch: ICA-AROMA. Presented at BrainHack Donostia; virtual. More information here.

4. **Salo T**. (2020). BIDS for MRI: Structure and Conversion. Presented at the University of Oldenburg Open and reproducible neuroimaging workshop; virtual. More information here.

PRESENTATIONS

1. **Salo T**. (2018). NiMARE: A Neuroimaging Meta-Analysis Research Environment. Presented at Brainhack Global 2018; Miami, Florida. More information here.

2. **Salo T**, Riedel MC, Bartley JE, Bottenhorn KL, Yarkoni T, Turner MD, Turner JA, Sutherland MT, & Laird AR. (2017). A quantitative evaluation of Neurosynth's annotation methods. Presented at the 23rd annual meeting of the Organization for Human Brain Mapping; Vancouver, British Columbia. More information here.

3. **Salo T**, Riedel MC, Bartley JE, Bottenhorn KL, Yarkoni T, Turner MD, Turner JA, Sutherland MT, & Laird AR. (2017). A quantitative evaluation of Neurosynth's annotation methods. Presented at Florida International University's 2017 Graduate Student Scholarly Forum; Miami, Florida.

4. **Salo T** & Renfro A. (2017). Open science tools: GitHub, BIDS, & preregistration. Presented at Brainhack Global 2017; Miami, Florida. More information here.

POSTERS

1. Poudel R, Tobia MJ, Riedel MC, **Salo T**, Flannery JS, Hill-Bowen LD, Laird AR, Dick AS, Parra CM, & Sutherland MT. (2021). Working memory is linked with default mode network deactivation and real-world money saving behavior. Presented at the Organization for Human Brain Mapping 2021 Annual Meeting; virtual.

2. Flannery JS, Riedel MC, **Salo T**, Poudel R, Laird AR, Gonzalez R, & Sutherland MT. (2021). Reduced Error-Related Default Mode Network Deactivations Linked with HIV and Poor Medication Management. Presented at the Organization for Human Brain Mapping 2021 Annual Meeting; virtual.

3. Bottenhorn KL, **Salo T**, Riedel MC, Musser ED, Robinson JL, Sutherland MT, & Laird AR. (2021). Denoising physiological data collected during multi-band, multi-echo EPI sequences. Presented at the Organization for Human Brain Mapping 2021 Annual Meeting; virtual.

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[5]Contributed equally

4. Bottenhorn KL, **Salo T**, Bartley JE, Flannery JS, Sutherland MT, & Laird AR. (2021). IDConn: A Python pipeline for investigating individual differences in functional brain connectivity. Presented at the Organization for Human Brain Mapping 2021 Annual Meeting; virtual.

5. **Salo T**, Yarkoni T, Nichols TE, Bottenhorn KL, Gorgolewski KJ, Riedel MC, Kent JD, Glerean E, Bilgel M, Wright J, Reeders P, Nielson DN, Yanes JA, Perez A, Sutherland MT, & Laird AR. (2020). NiMARE: A Neuroimaging Meta-Analysis Research Environment. Presented at the Organization for Human Brain Mapping 2020 Annual Meeting; virtual.

6. Bottenhorn KL, Bartley JE, Riedel MC, **Salo T**, Bravo EI, Odean R, Nazareth A, Laird RW, Pruden SM, Sutherland MT, Brewe E, & Laird AR. (2020). Intelligence and academic performance: Is it all in your head? Presented at the Organization for Human Brain Mapping 2020 Annual Meeting; virtual.

7. **Salo T**, Yarkoni T, Kent JD, Gorgolewski KJ, Glerean E, Bottenhorn KL, Bilgel M, Wright J, Reeders P, Nielson DN, Nichols TE, Riedel MC, Sutherland MT, & Laird AR. (2019). NiMARE: A Neuroimaging Meta-Analysis Research Environment. Presented at the 25th annual meeting of the Organization for Human Brain Mapping (Rome, Italy). More information here.

8. Poudel R, Riedel MC, **Salo T**, Flannery JS, Hill LD, Laird AR, & Sutherland MT. (2019). Common and distinct brain regions associated with risky- and ambiguous decision-making. Presented at the SANS annual meeting (Miami, Florida). More information here.

9. **Salo T**, Bottenhorn KL, Nichols TE, Riedel MC, Sutherland MT, Yarkoni T, & Laird AR. (2018). NiMARE: A Neuroimaging Meta-Analysis Research Environment. Presented at INCF Neuroinformatics 2018 (Montreal, Quebec) and at the annual Brain Initiative Principal Investigators Meeting (Washington D.C.). More information here.

10. Bottenhorn KL, **Salo T**, Sutherland MT, & Laird AR. (2018). Quantitative comparison of functional decoding approaches across meta-analytic frameworks. Presented at INCF Neuroinformatics 2018 (Montreal, Quebec). More information here.

11. Riedel MC, **Salo T**, Hays J, Turner MD, Sutherland MT, Turner JA, & Laird AR. (2018). Automating annotations of the cognitive neuroimaging literature using ATHENA. Presented at INCF Neuroinformatics 2018 (Montreal, Quebec). More information here.

12. Yarkoni, T, de la Vega, A, DuPre, E, Esteban, O, Halchenko, YO, Hanke, M, Hayor-Sasson, V, Ivanov, A, Kiar, G, Markiewicz, C, McNamara, Q, Petrov, D, **Salo T**, Nielson, D, Poline, JB, Poldrack, R, & Gorgolewski, K. (2018). Pybids: Python tools for manipulation and analysis of BIDS datasets. Presented at the 24th annual meeting of the Organization for Human Brain Mapping (Singapore). More information here.

13. DuPre, E, Kundu, P, Esteban, O, Markello, R, Whitaker, K, **Salo T**, & Spreng, N. (2018). Introducing a BIDS-compliant multi-echo fMRI preprocessing pipeline. Presented at the 24th annual meeting of the Organization for Human Brain Mapping (Singapore). More information here.

14. Kohn, N, Riedel, MC, **Salo T**, Laird, AR, Eickhoff, SB, & Morawetz, C. (2018). Meta-analytic brain networks underlying emotion regulation. Presented at the 24th annual meeting of the Organization for Human Brain Mapping (Singapore). More information here.

15. **Salo T**, Riedel, MC, Bartley, JE, Bottenhorn, KL, Yarkoni, T, Turner, MD, Turner, JA, Sutherland, MT, & Laird, AR. (2017). A quantitative evaluation of Neurosynth's annotation methods. Presented at the 23rd annual meeting of the Organization for Human Brain Mapping (Vancouver, British Columbia). More information here.

16. Bartley, JE, Riedel, MC, **Salo T**, Boeving, ER, Odean, R, Bravo, E, Laird, RW, Pruden, S, Brewe, E, Sutherland, ME, Laird, AR. (2017). Understanding the neural substrates of physics problem solving: Brain mechanisms and behavior correlates. Presented at the 23rd annual meeting of the Organization for Human Brain Mapping (Vancouver, British Columbia). More information here.

17. Poudel, R, Riedel, MC, Hill LD, Flannery, JF, **Salo T**, Laird A.R, Sutherland M.T. (2017). Behavioral decoding of functionally related brain areas consistently linked to drug cue reactivity. Presented at Florida International University's 2017 Graduate Student Scholarly Forum (Miami, Florida). More information here.

18. Riedel, MC, Poudel, R, **Salo T**, Eickhoff SB, Fox, PT, Laird, AR, & Sutherland, MT. (2016). Co-activation based parcellation of the human insula. Presented at the 22nd annual meeting of the Organization for Human Brain Mapping (Geneva, Switzerland). More information here.

19. Lesh, TA, Maddock, RJ, **Salo T**, Tanase, C, Ragland, JD, Niendam, TA, Solomon, M, & Carter, CS. (2015). Diffusion Measures of Free Water and 1H-MRS Measures of Glutathione in First Episode Patients with Schizophrenia – A Multi-Modal Investigation of an Inflammatory Model for Psychosis. Presented at the 15th biennial meeting of the International Congress on Schizophrenia Research (Colorado Springs, CO) and at the annual meeting of the American College of Neuropsychopharmacology (Phoenix, AZ).

20. Phillips, RC, **Salo T**, & Carter, CS. (2014). Default mode network activity precedes attention lapse in healthy subjects. Presented at the 44th annual meeting of the Society for Neuroscience (Washington D.C.) and at the second annual Northern California Consciousness meeting (Davis, CA).

ADDITIONAL SKILLS

- Python, MATLAB, and bash programming.

- Open source software development.

- Community development and support.

- Behavioral task programming with PsychoPy and E-Prime.

- FMRI processing, analysis, and meta-analysis, using a range of tools, including Nilearn, Nipype, fMRIPrep, AFNI, SPM, and NiMARE.

- Neuroimaging study design.