

# Stanford

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## Christopher Markiewicz

Sr Res Scholar

Psychology

 Curriculum Vitae available Online

### Bio

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#### ACADEMIC APPOINTMENTS

- Sr Research Scholar, Psychology

### Publications

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#### PUBLICATIONS

- **A comparison of neuroelectrophysiology databases.** *Scientific data*  
Subash, P., Gray, A., Boswell, M., Cohen, S. L., Garner, R., Salehi, S., Fisher, C., Hobel, S., Ghosh, S., Halchenko, Y., Dichter, B., Poldrack, R. A., Markiewicz, et al  
2023; 10 (1): 719
- **The Past, Present, and Future of the Brain Imaging Data Structure (BIDS).** *ArXiv*  
Poldrack, R. A., Markiewicz, C. J., Appelhoff, S., Ashar, Y. K., Auer, T., Baillet, S., Bansal, S., Beltrachini, L., Bénar, C. G., Bertazzoli, G., Bhogawar, S., Blair, R. W., Bortoletto, et al  
2023
- **Continuous Evaluation of Denoising Strategies in Resting-State fMRI Connectivity Using fMRIprep and Nilearn.** *bioRxiv : the preprint server for biology*  
Wang, H. T., Meisler, S. L., Shamarke, H., Clarke, N., Gensollen, N., Markiewicz, C. J., Paugam, F., Thirion, B., Bellec, P.  
2023
- **Align with the NMIND consortium for better neuroimaging.** *Nature human behaviour*  
Kiar, G., Clucas, J., Feczkó, E., Gonçalves, M., Jarecka, D., Markiewicz, C. J., Halchenko, Y. O., Hermosillo, R., Li, X., Miranda-Dominguez, O., Ghosh, S., Poldrack, R. A., Satterthwaite, et al  
2023
- **TemplateFlow: FAIR-sharing of multi-scale, multi-species brain models.** *Nature methods*  
Ciric, R., Thompson, W. H., Lorenz, R., Gonçalves, M., MacNicol, E. E., Markiewicz, C. J., Halchenko, Y. O., Ghosh, S. S., Gorgolewski, K. J., Poldrack, R. A., Esteban, O.  
2022; 19 (12): 1568-1571
- **Open and reproducible neuroimaging: From study inception to publication** *NEUROIMAGE*  
Niso, G., Botvinik-Nezer, R., Appelhoff, S., De la Vega, A., Esteban, O., Etzel, J. A., Finc, K., Ganz, M., Gau, R., Halchenko, Y. O., Herholz, P., Karakuzu, A., Keator, et al  
2022; 263: 119623
- **ASL-BIDS, the brain imaging data structure extension for arterial spin labeling** *SCIENTIFIC DATA*  
Clement, P., Castellaro, M., Okell, T. W., Thomas, D. L., Vandemaele, P., Elgayar, S., Oliver-Taylor, A., Kirk, T., Woods, J. G., Vos, S. B., Kuijper, J. A., Achten, E., van Osch, et al  
2022; 9 (1): 543
- **Neuroscout, a unified platform for generalizable andreproducible fMRI research.** *eLife*  
de la Vega, A., Rocca, R., Blair, R. W., Markiewicz, C. J., Mentch, J., Kent, J. D., Herholz, P., Ghosh, S. S., Poldrack, R. A., Yarkoni, T.  
2022; 11

- **qMRI-BIDS: An extension to the brain imaging data structure for quantitative magnetic resonance imaging data.** *Scientific data*  
Karakuzu, A., Appelhoff, S., Auer, T., Boudreau, M., Feingold, F., Khan, A. R., Lazari, A., Markiewicz, C., Mulder, M., Phillips, C., Salo, T., Stikov, N., Whitaker, et al  
2022; 9 (1): 517
- **PET-BIDS, an extension to the brain imaging data structure for positron emission tomography.** *Scientific data*  
Norgaard, M., Matheson, G. J., Hansen, H. D., Thomas, A., Searle, G., Rizzo, G., Veronese, M., Giacomet, A., Yaquib, M., Tonietto, M., Funck, T., Gillman, A., Boniface, et al  
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- **Microscopy-BIDS: An Extension to the Brain Imaging Data Structure for Microscopy Data.** *Frontiers in neuroscience*  
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2022; 16: 871228
- **The positron emission tomography brain imaging data structure (PET-BIDS) extension: A new standard for sharing PET data**  
Norgaard, M., Matheson, G. J., Hansen, H. D., Thomas, A., Searle, G., Rizzo, G., Veronese, M., Giacomet, A., Yaquib, M., Tonietto, M., Funck, T., Gillman, A., Boniface, et al  
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- **The OpenNeuro resource for sharing of neuroscience data.** *eLife*  
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- **Brainhack: Developing a culture of open, inclusive, community-driven neuroscience** *NEURON*  
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- **In defense of decentralized research data management.** *Neuroforum*  
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- **The genetics-BIDS extension: Easing the search for genetic data associated with human brain imaging** *GIGASCIENCE*  
Moreau, C. A., Jean-Louis, M., Blair, R., Markiewicz, C. J., Turner, J. A., Calhoun, V. D., Nichols, T. E., Pernet, C. R.  
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- **Analysis of task-based functional MRI data preprocessed with fMRIprep.** *Nature protocols*  
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2020
- **fMRIprep: a robust preprocessing pipeline for functional MRI** *NATURE METHODS*  
Esteban, O., Markiewicz, C. J., Blair, R. W., Moodie, C. A., Isik, A., Erramuzpe, A., Kent, J. D., Goncalves, M., DuPre, E., Snyder, M., Oya, H., Ghosh, S. S., Wright, et al  
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- **PyBIDS: Python tools for BIDS datasets.** *Journal of open source software*  
Yarkoni, T., Markiewicz, C. J., de la Vega, A., Gorgolewski, K. J., Salo, T., Halchenko, Y. O., McNamara, Q., DeStasio, K., Poline, J., Petrov, D., Hayot-Sasson, V., Nielson, D. M., Carlin, et al  
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- **The importance of standards for sharing of computational models and data.** *Computational brain & behavior*  
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2018

• **Mapping the cortical representation of speech sounds in a syllable repetition task** *NEUROIMAGE*

Markiewicz, C. J., Bohland, J. W.  
2016; 141: 174-190

• **Transparent Emergency Data Destruction**

Roberts, W., Johnson, C., Hale, J., Armistead, E. L.  
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