

Christopher Markiewicz

Sr Res Scholar

Psychology

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Sr Research Scholar, Psychology

Publications

PUBLICATIONS

- **The MR neuroimaging protocol for the Accelerating Medicines Partnership® Schizophrenia Program.** *Schizophrenia (Heidelberg, Germany)*
Harms, M. P., Cho, K. K., Anticevic, A., Bolo, N. R., Bouix, S., Campbell, D., Cannon, T. D., Cecchi, G., Goncalves, M., Haidar, A., Hughes, D. E., Izyurov, I., John, et al
2025; 11 (1): 52
- **NIRS-BIDS: Brain Imaging Data Structure Extended to Near-Infrared Spectroscopy.** *Scientific data*
Luke, R., Oostenveld, R., Cockx, H., Niso, G., Shader, M. J., Orihuela-Espina, F., Innes-Brown, H., Tucker, S., Boas, D., Yücel, M. A., Gau, R., Salo, T., Appelhoff, et al
2025; 12 (1): 159
- **A Numerical Variability Approach to Results Stability Tests and Its Application to Neuroimaging** *IEEE TRANSACTIONS ON COMPUTERS*
Chatelain, Y., Tetrel, L., Markiewicz, C. J., Goncalves, M., Kiar, G., Esteban, O., Bellec, P., Glatard, T.
2025; 74 (1): 200-209
- **Motion-BIDS: an extension to the brain imaging data structure to organize motion data for reproducible research** *SCIENTIFIC DATA*
Jeung, S., Cockx, H., Appelhoff, S., Berg, T., Gramann, K., Grothkopp, S., Warmerdam, E., Hansen, C., Oostenveld, R., Appelhoff, S., Markiewicz, C. J., Salo, T., Gau, et al
2024; 11 (1): 716
- **Continuous evaluation of denoising strategies in resting-state fMRI connectivity using fMRIPrep and Nilearn.** *PLoS computational biology*
Wang, H. T., Meisler, S. L., Sharmarke, H., Clarke, N., Gensollen, N., Markiewicz, C. J., Paugam, F., Thirion, B., Bellec, P.
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- **Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ): Rationale and Study Design of the Largest Global Prospective Cohort Study of Clinical High Risk for Psychosis.** *Schizophrenia bulletin*
Wannan, C. M., Nelson, B., Addington, J., Allott, K., Anticevic, A., Arango, C., Baker, J. T., Bearden, C. E., Billah, T., Bouix, S., Broome, M. R., Buccilli, K., Cadenhead, et al
2024
- **The past, present, and future of the brain imaging data structure (BIDS).** *Imaging neuroscience (Cambridge, Mass.)*
Poldrack, R. A., Markiewicz, C. J., Appelhoff, S., Ashar, Y. K., Auer, T., Baillet, S., Bansal, S., Beltrachini, L., Benar, C. G., Bertazzoli, G., Bhogawar, S., Blair, R. W., Bortoletto, et al
2024; 2: 1-19
- **HeuDiConv - flexible DICOM conversion into structured directory layouts.** *Journal of open source software*
Halchenko, Y. O., Goncalves, M., Ghosh, S., Velasco, P., Visconti di Oleggio Castello, M., Salo, T., Wodder, J. T., Hanke, M., Sadil, P., Gorgolewski, K. J., Ioanas, H., Rorden, C., Hendrickson, et al

2024; 9 (99)

- **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*
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- **Continuous Evaluation of Denoising Strategies in Resting-State fMRI Connectivity Using fMRIPrep and Nilearn.** *bioRxiv : the preprint server for biology*
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- **TemplateFlow: FAIR-sharing of multi-scale, multi-species brain models.** *Nature methods*
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- **Open and reproducible neuroimaging: From study inception to publication** *NEUROIMAGE*
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- **Neuroscout, a unified platform for generalizable and reproducible 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.
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- **qMRI-BIDS: An extension to the brain imaging data structure for quantitative magnetic resonance imaging data.** *Scientific data*
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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., Giacomel, A., Yaqub, 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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- **The OpenNeuro resource for sharing of neuroscience data.** *eLife*
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- **DataLad: distributed system for joint management of code, data, and their relationship.** *Journal of open source software*
Halchenko, Y. O., Meyer, K., Poldrack, B., Solanky, D. S., Wagner, A. S., Gors, J., MacFarlane, D., Pustina, D., Sochat, V., Ghosh, S. S., Mönch, C., Markiewicz, C. J., Waite, et al
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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*
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- **fMRIPrep: a robust preprocessing pipeline for functional MRI** *NATURE METHODS*
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- **PyBIDS: Python tools for BIDS datasets.** *Journal of open source software*
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- **The importance of standards for sharing of computational models and data.** *Computational brain & behavior*
Poldrack, R. A., Feingold, F. n., Frank, M. J., Gleeson, P. n., de Hollander, G. n., Huys, Q. J., Love, B. C., Markiewicz, C. J., Moran, R. n., Ritter, P. n., Rogers, T. T., Turner, B. M., Yarkoni, et al
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- **fMRIPrep: a robust preprocessing pipeline for functional MRI.** *Nature methods*
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- **Mapping the cortical representation of speech sounds in a syllable repetition task** *NEUROIMAGE*
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- **Transparent Emergency Data Destruction**
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