

Angela R. Laird, Ph.D.

Curriculum Vitae

Contact Information

Research Imaging Institute, Mail Code 6240
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Education

Ph.D. University of Wisconsin, Madison, WI, Medical Physics, December 2002
Functional Magnetic Resonance Imaging (fMRI) Methods

M.S. University of Wisconsin, Madison, WI, Medical Physics, May 2001

B.S. Florida State University, Tallahassee, FL, Physics, May 1998

Employment

2011-present Associate Professor with Tenure (Department of Radiology), Research Imaging Institute, University of Texas Health Science Center, San Antonio, TX

2005-2011 Assistant Professor (Department of Radiology), Research Imaging Institute, University of Texas Health Science Center, San Antonio, TX

2004-2005 Instructor (Department of Radiology), Research Imaging Institute, University of Texas Health Science Center, San Antonio, TX

2003-2004 Postdoctoral Fellow, Neuroinformatics and Meta-Analysis in Neuroimaging, Advisor: Dr. Peter Fox, Research Imaging Institute, University of Texas Health Science Center, San Antonio, TX

Honors and Awards

2010 University of Texas System "Rising STARS" Award for Faculty Excellence

2006 Paper of the Year, Organization for Human Brain Mapping

2002 Hirschfelder Award for Academic Excellence in Graduate Level Physics, University of Wisconsin, Madison, WI

2002 IEEE EMBS-BMES Special Travel Award for Presenting Authors

2001 UW-Madison Graduate Student Council Vilas Travel Award

Completed

Medical Research Fund (MeRF), University of Texas Health Science Center
“Meta-analysis in cognitive neuroimaging”
07/01/04 – 06/30/05 \$40,000

Professional Associations

Member, Organization of Human Brain Mapping (OHBM)
Member, Society for Neuroscience (SFN)
Member, International Society of Magnetic Resonance in Medicine (ISMRM)

Reviewing and Editing

Guest Editor

Lancaster JL, Laird AR, Fox PT, Special Issue on Meta-Analysis. Human Brain Mapping, Volume 25, Issue 1, 2005.

Reviewer (Journals)

American Journal of Psychiatry; Biological Psychiatry; BMC Neuroscience; Brain Imaging and Behavior; Cerebral Cortex; Cognitive, Affective, and Behavioral Neuroscience; Human Brain Mapping; Journal of Psychiatry and Neuroscience; Medical Physics; Nature Methods; NeuroImage; Neuroinformatics; Neuropsychologia; Neuroreport; Open Neurology Journal; PLoS ONE; Psychology and Aging; Translational Psychiatry, Trends in Cognitive Neurosciences

Reviewer (Grants)

National Science Foundation (2009-2011)
French National Research Agency (2009-2011)
Graduate Women in Science National Fellowship Program (2010)

Invited Lectures and Workshops

- 2011 Invited Lecture, Olin Neuropsychiatry Research Center, Institute of Living & Yale University, Hartford, Connecticut, Aug 23
- 2011 Invited Lecture, “The Connectome”, Organization for Human Brain Mapping Educational Course, Quebec City, Canada, June 26
- 2010 Invited Lecture, Translational Science Institute, Wake Forest University, Winston-Salem, NC, Oct 27
- 2010 Invited Lecture, Mind Research Network, Albuquerque, New Mexico, July 14
- 2010 Morning Workshop, “BrainMap Networks: Meta-Analytic Regional Parcellation and Functional Characterization”, Organization for Human Brain Mapping, Barcelona, Spain, June 9
- 2009 Invited Lecture, Department of Neurology, University at Buffalo SUNY, Buffalo, NY, October 8

- 2009 Invited Lecture, "Methodological Advances in Functional Neuroimaging: The State of the Science", American Psychological Association, Toronto, Canada, August 9
- 2009 Morning Workshop, "Neurocognitive ontologies: Methods for sharing and integration of human brain data", Organization for Human Brain Mapping, San Francisco, CA, June 20
- 2008 Invited Lecture, "Mathematics in Brain Imaging", Institute for Pure and Applied Mathematics Summer School, University of California, Los Angeles, CA, July 24
- 2008 Invited Lecture, Bio-Imaging Research Center, University of Georgia, Athens, GA, March 18
- 2007 Invited Lecture, Institute of Imaging Science, Vanderbilt University, Nashville, TN, December 14
- 2006 Invited Lecture, Biology and Physics Departments Seminar Series, Texas Lutheran University, Seguin, TX, April 28
- 2003 Invited Lecture, Physics Department, Trinity University, San Antonio, TX, October
- 2003 Invited Lecture, Radiological Sciences Laboratory, Stanford University, Palo Alto, CA, September

Service

- 2010-2013 Member, UTHSCSA Student Health Advisory Committee
- 2010-present Admissions Coordinator, Neuroscience Imaging Track, Radiological Sciences Graduate Program, Department of Radiology, UTHSCSA
- 2010-present Member, Scientific Review Panel, Institute for Integration of Medicine & Science (IIMS) for the UTHSCSA Clinical and Translational Science Award (CTSA) Project Proposals
- 2010 March Judge, UTHSCSA Women's Faculty Association Special Award, Alamo Regional Science and Engineering Fair, San Antonio, Texas
- 2007-present Member, Committee on Graduate Studies, Radiology, University of Texas Health Science Center, San Antonio, TX
- 2007-present Member, Ph.D. Neuroscience Imaging Track Admissions Committee, Research Imaging Institute, University of Texas Health Science Center, San Antonio, TX
- 2008 March Panelist on Women's Forum, "Flourishing in a Competitive World", Texas Lutheran University, Seguin, TX
- 2006 Feb Educational outreach to students in the gifted/talented program at Carlos Coon Elementary School

- 2005 Nov Collaborator on the Inside Story: Physics in Medicine, Einstein Year Outreach Program, Institute of Physics and Medical Research Council, London, UK
- 2005-2007 Meals on Wheels, weekly meal delivery to homebound citizens in the local community, San Antonio, TX

Teaching

“Introduction to Functional Neuroscience Imaging” (PHY 3325-B), St. Mary’s University, Co-Instructor, 2010, 2011

“Introduction to Human Neuroscience” (HON 3253), University of Texas San Antonio, Co-Instructor: 2008

“Mind & Brain: Meta-Analysis in Cognitive Neuroimaging” (INTD 5046), University of Texas Health Science Center San Antonio, Instructor: 2006, 2007, 2010, 2011

“Mind & Brain: Meta-Analysis in Cognitive Neuroimaging” (BIO 5046/PSY 6093), University of Texas San Antonio, Co-Instructor: 2004, 2005

Software Development

2003-present Supervision of the development, maintenance, and support of the software packages and databasing tools distributed through the BrainMap project on neuroinformatics in neuroimaging (<http://brainmap.org>)

Media Coverage

Interviewed for “Peering Inside the Brain Leads to Genetic Clues to Psychiatric and Neurological Disorders”, Aired 12 Feb 2010, KENS 5 San Antonio CBS Affiliate

Students and Staff Supervised

- 2010-present Juan Saenz, Research Assistant
 2010-present Reese McKay, Graduate Student
 2009-present Kimberly Ray, Graduate Student
 2004-present Karl Li, Research Assistant
 2004-present Angela Uecker, Programmer Analyst III
 2004-present Mick Fox, Programmer Analyst III
 2008-2010 Sabina Gonzales, Research Assistant
 2007-2009 Sarah Thelen, Research Assistant
 2007-2008 Jacob Robbins, Research Assistant
 2006-2007 Justin Clemens, Research Assistant

Journal Articles

1. Laird AR, Eickhoff SB, Fox PM, Uecker AM, Ray KL, Saenz JJ, McKay DR, Bzdok D, Laird RW, Robinson JL, Turner JA, Turkeltaub PE, Lancaster JL, Fox PT. The BrainMap strategy

for standardization, sharing, and meta-analysis of neuroimaging data. BMC Res Notes, In Press.

2. Laird AR, Fox PM, Eickhoff SB, Turner JA, Ray KL, McKay DR, Glahn DC, Beckmann CF, Smith SM, Fox PT. Behavioral interpretations of intrinsic connectivity networks. J Cogn Neurosci, In Press.
3. Turner JA, Laird AR. The Cognitive Paradigm Ontology: Design and application. Neuroinformatics, In Press.
4. Nickl-Jockschat T, Schneider F, Pagel AD, Laird AR, Fox PT, Eickhoff SB. Brain structure changes in schizophrenia patients: Correlation with disease duration and characterization of physiological functions. Eur Arch Psychiatry Clin Neurosci, In Press.
5. Nickl-Jockschat T, Habel U, Michel TM, Manning J, Laird AR, Fox PT, Schneider F, Eickhoff SB. Brain structure anomalies in autism spectrum disorder: A meta-analysis of VBM studies using anatomic likelihood estimation. Hum Brain Mapp, In Press.
6. Lin AL, Laird AR, Fox PT, Gao JH. Multimodal MRI neuroimaging biomarkers for cognitive normal adults, mild cognitive impairment and Alzheimer's disease. Neurol Res Int, In Press.
7. Chase HW, Eickhoff SB, Laird AR, Hogarth L. The neural basis of drug stimulus processing and craving: An activation likelihood estimation meta-analysis. Biol Psych, In Press.
8. Nickl-Jockschat T, Kleiman A, Schulz JB, Schneider F, Laird AR, Fox PT, Eickhoff SB, Reetz K. Neuroanatomic changes and their association with cognitive decline in mild cognitive impairment – A meta-analysis. Brain Struct Funct, In Press.
9. Eickhoff SB, Bzdok D, Laird AR, Roski C, Caspers S, Zilles K, Fox PT. Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. Neuroimage, In Press.
10. Sebastian R, Laird AR, Kiran S. Meta-analysis of the neural representation of first language and second language. Applied Psycholinguistics, In Press.
11. Bzdok D, Langner R, Caspers S, Kurth F, Habel U, Zilles K, Laird AR, Eickhoff SB. ALE meta-analysis on facial judgments of trustworthiness and attractiveness. Brain Struct Funct, In Press.
12. Turkeltaub PE, Eickhoff SB, Laird AR, Fox PM, Wiener M, Fox PT. Minimizing within-experiment and within-group effects in activation likelihood estimation meta-analyses. Hum Brain Mapp, In Press.
13. Karlsgodt KH, Kochunov P, Winkler AM, Laird AR, Almasy L, Duggirala R, Olvera RL, Fox PT, Blangero J, Glahn DC. A multimodal assessment of the genetic control over working memory. J Neurosci 30, 8197-8202, 2010. PMID: 20554870

14. Kurth F, Zilles K, Laird AR, Fox PT, Eickhoff SB. A link between the systems: Functional differentiation and integration within the human insula revealed by meta-analysis. *Brain Struct Funct* 214, 519-534, 2010. PMID: 20512376
15. Eickhoff SB, Jbabdi S, Caspers S, Laird AR, Fox PT, Zilles K, Behrens TE. Anatomical and functional connectivity of cytoarchitectonic areas within the human parietal operculum. *J Neurosci* 30, 6409-6421, 2010. PMID: 20445067
16. Laird AR, Robinson JL, McMillan KM, Tordesillas-Gutierrez D, Moran ST, Ray KL, Franklin C, Glahn DC, Fox PT, Lancaster JL. Comparison of the disparity between Talairach and MNI coordinates in functional neuroimaging data: Validation of the Lancaster transform. *Neuroimage* 51, 677-683, 2010. PMCID: PMC2856713
17. Glahn DC, Winkler AM, Kochunov P, Almasy L, Duggirala R, Carless M, Olvera R, Laird AR, Smith SM, Beckmann CF, Fox PT, Blangero J. Genetic control over the resting brain. *Proc Natl Acad Sci USA* 107, 1223-1228, 2010. PMCID: PMC2824276
18. Caspers S, Zilles K, Laird AR, Eickhoff SB. ALE meta-analysis of action observation and imitation in the human brain. *Neuroimage* 50, 1148-1167, 2010.
19. Laird AR, Eickhoff SB, Li K, Robin DA, Glahn DC, Fox PT. Investigating the functional heterogeneity of the default mode network using coordinate-based meta-analytic modeling. *J Neurosci* 29, 14496-14505, 2010. PMCID: PMC2820256
20. Robinson JL, Laird AR, Glahn DC, Lovallo WR, Fox PT. Meta-analytic connectivity modelling: Delineating the functional connectivity of the human amygdala. *Hum Brain Mapp* 31, 173-184, 2010. PMCID: PMC2872058
21. Smith SM, Fox PT, Miller KL, Glahn DC, Fox PM, Mackay CE, Filippini N, Watkins KE, Toro R, Laird AR, Beckmann CF. Correspondence of the brain's functional architecture during activation and rest. *Proc Natl Acad Sci USA* 106:13040-13045, 2009. PMCID: PMC2722273
22. Laird AR, Eickhoff SB, Kurth F, Fox PM, Uecker AM, Turner JA, Robinson JL, Lancaster JL, Fox PT. ALE meta-analysis workflows via the BrainMap database: Progress towards a probabilistic functional brain atlas. *Front Neuroinformatics* 3, 23, 2009. PMCID: PMC2715269
23. Laird AR, Lancaster JL, Fox PT. Lost in localization? The focus is meta-analysis. *Neuroimage*, 48, 18-20, 2009. PMCID: PMC2725202
24. Eickhoff SB, Laird AR, Grefkes C, Wang LE, Zilles K, Fox PT. Coordinate-based activation likelihood estimation meta-analysis of neuroimaging data: A random-effects approach based on empirical estimates of spatial uncertainty. *Hum Brain Mapp* 30, 2907-2926, 2009. PMCID: PMC2872071
25. Minzenberg MJ, Laird AR, Thelen SM, Carter CS, Glahn DC. Meta-analysis of 41 functional neuroimaging studies of executive function in schizophrenia. *Arch Gen Psychiatry* 66, 811-822, 2009. PMCID: PMC2888482

26. Ragland JD, Laird AR, Ranganath CS, Blumenfeld RS, Gonzales SM, Glahn DC. Prefrontal activation deficits during episodic memory in schizophrenia. *Am J Psychiatry* 166, 863-874, 2009. PMID: PMC2885958
27. Brown S, Laird AR, Pfordresher PQ, Thelen SM, Turkeltaub P, Liotti M. The somatotopy of speech: Phonation and articulation in the human motor cortex. *Brain Cogn* 70, 31-41, 2009. PMID: PMC2873785
28. Price LR, Laird AR, Fox PT. Modeling dynamic functional neuroimaging data using structural equation modeling. *Structural Equation Modeling* 16, 147-162, 2009. PMID: PMC2874985
29. Bug WJ, Ascoli GA, Grethe JS, Gupta A, Fennema-Notestine C, Laird AR, Larson SD, Rubin D, Shepherd GM, Turner JA, Martone ME. The NIFSTD and BIRNLex vocabularies: Building comprehensive ontologies for neuroscience. *Neuroinformatics* 6, 175-194, 2008. PMID: PMC2743139
30. Glahn DC, Laird AR, Ellison-Wright I, Thelen SM, Robinson JL, Lancaster JL, Bullmore E, Fox PT. Meta-analysis of gray matter anomalies in schizophrenia: Application of anatomic likelihood estimation and network analysis. *Biol Psychiatry* 64, 774-781, 2008. PMID: 18486104
31. Cykowski M, Coulon O, Kochunov PV, Amunts K, Lancaster JL, Laird AR, Glahn DC, Fox PT. The central sulcus: An observer-independent characterization of sulcal landmarks and depth asymmetry. *Cereb Cortex* 18, 1999-2009, 2008. PMID: PMC2733306
32. Witt ST, Laird AR, Meyerand ME. Functional neuroimaging correlates of finger tapping task variations: An ALE meta-analysis. *Neuroimage* 42, 343-356, 2008. PMID: PMC2592684
33. Ellison-Wright I, Glahn DC, Laird AR, Thelen SM, Bullmore ET. The anatomy of first episode and chronic schizophrenia: An ALE meta-analysis. *Am J Psychiatry* 165, 1015-1023, 2008. PMID: PMC2873788
34. Laird AR, Robbins JM, Li K, Price LR, Cykowski MD, Narayana S, Laird RW, Franklin C, Fox PT. Modeling motor connectivity using TMS/PET and structural equation modeling. *Neuroimage* 41, 424-436, 2008. PMID: PMC2871686
35. Fitzgerald PB, Laird AR, Maller JJ, Daskalakis ZJ. A meta-analytic study of changes in brain activation in depression. *Hum Brain Mapp* 29, 683-695, 2008. PMID: PMC2873772
36. Menzies LAC, Chamberlain SR, Laird AR, Thelen SM, Sahakian BJ, Bullmore ET. Integrating evidence from neuroimaging and neuropsychological studies of obsessive compulsive disorder: The orbitofronto-striatal model revisited. *Neurosci Biobehav Rev* 32, 525-549, 2008. PMID: PMC2889493
37. Kochunov P, Thompson PM, Lancaster JL, Bartzokis G, Smith S, Coyle T, Royall DR, Laird A, Fox PT. Relationship between white matter fractional anisotropy and other indices of cerebral health in normal aging: Tract-based spatial statistics study of aging. *Neuroimage* 35, 478-87, 2007.

38. McMillan KM, Rogers BP, Koay CG, Laird AR, Price RR, Meyerand ME. An objective method for combining multi-parametric MRI datasets to characterize malignant tumors. *Med Phys*, 34, 1053-1061, 2007.
39. McMillan KM, Laird AR, Witt ST, Meyerand ME. Self-paced working memory: Validation of the n-back paradigm using meta-analysis. *Brain Research*, 1139, 133-142, 2007.
40. McMillan KM, Rogers BP, Field AS, Laird AR, Fine JP, Meyerand ME. Physiologic characterisation of glioblastoma multiforme using MRI-based hypoxia mapping, chemical shift imaging, perfusion, and diffusion maps. *J Clin Neurosci* 13, 811-817, 2006.
41. Kochunov P, Lancaster JL, Glahn DC, Purdy D, Laird AR, Gao F, Fox P. Retrospective motion correction protocol for high-resolution anatomical MRI. *Hum Brain Mapp*, 27, 957-962, 2006.
42. Fitzgerald PB, Oxley TJ, Laird AR, Kulkarni J, Egan GF, Daskalakis ZJ. An analysis of functional neuroimaging studies of dorsolateral prefrontal cortical activity in depression. *Psychiatry Research: Neuroimaging* 148, 33-45, 2006.
43. Fox PT, Laird AR, Lancaster JL. Coordinate-based voxel-wise meta-analysis: Dividends of spatial normalization. A report of a virtual workshop. *Hum Brain Mapp* 25, 1-5, 2005.
44. Laird AR, McMillan KM, Lancaster JL, Kochunov P, Turkeltaub PE, Pardo JV, Fox PT. A comparison of label-based review and activation likelihood estimation in the Stroop task. *Hum Brain Mapp* 25, 6-21, 2005.
45. Owen AM, McMillan KM, Laird AR, Bullmore E. N-back working memory paradigm: A meta-analysis of normative functional neuroimaging studies. *Hum Brain Mapp* 25, 46-59, 2005.
46. Glahn DC, Ragland JD, Abramoff A, Barrett J, Laird AR, Bearden CE, Velligan DI. Beyond hypofrontality: A quantitative meta-analysis of functional neuroimaging studies of working memory in schizophrenia. *Hum Brain Mapp* 25, 60-69, 2005.
47. Price CJ, Devlin JT, Moore CJ, Morton C, Laird AR. Meta-analyses of object naming: Effect of baseline. *Hum Brain Mapp* 25, 70-82, 2005.
48. Tan L-H, Laird AR, Li K, Fox PT. Neuroanatomical correlates of phonological processing of Chinese characters and alphabetic words: A meta-analysis. *Hum Brain Mapp* 25, 83-91, 2005.
49. Brown S, Laird AR, Ingham RJ, Ingham JC, Fox PT. Stuttered and fluent speech production: An ALE meta-analysis of functional neuroimaging studies. *Hum Brain Mapp* 25, 105-117, 2005.
50. Petacchi A, Laird AR, Fox PT, Bower JM. Cerebellum and auditory function: An ALE meta-analysis of functional neuroimaging studies. *Hum Brain Mapp* 25, 118-128, 2005.

51. Farrell MJ, Laird AR, Egan GF. Brain activity associated with painfully hot stimuli applied to the upper limb: A meta-analysis. *Hum Brain Mapp* 25, 129-139, 2005.
52. Grosbras M-H, Laird AR, Paus T. Cortical regions involved in eye movements, shifts of attention, and gaze perception. *Hum Brain Mapp* 25, 140-154, 2005.
53. Laird AR, Fox M, Price CJ, Glahn DC, Uecker AM, Lancaster JL, Turkeltaub PE, Kochunov P, Fox PT. ALE meta-analysis: Controlling the false discovery rate and performing statistical contrasts. *Hum Brain Mapp* 25, 155-164, 2005.
54. Lancaster JL, Laird AR, Fox M, Glahn DE, Fox PT. Automated analysis of meta-analysis networks. *Hum Brain Mapp* 25, 174-184, 2005.
55. Fox PT, Laird AR, Fox SP, Fox M, Uecker AM, Crank M, Koenig SF, Lancaster JL. BrainMap taxonomy of experimental design: Description and evaluation. *Hum Brain Mapp* 25, 185-198, 2005.
56. Laird AR, Lancaster JL, Fox PT. BrainMap: The social evolution of a functional neuroimaging database. *Neuroinformatics* 3, 65-78, 2005.
57. Kochunov P, Lancaster JL, Hardies J, Thompson P, Woods R, Cody J, Hale D, Laird AR, Fox PT. Mapping structural differences of the corpus callosum in individuals with 18q deletions using targetless regional spatial normalization. *Hum Brain Mapp* 24, 325-331, 2005.
58. Laird AR, Rogers BP, Meyerand ME. Comparison of Fourier and wavelet resampling methods. *Magn Reson Med* 51: 418-422, 2004.
59. Laird AR, Rogers BP, Carew JD, Arfanakis K, Moritz CM, Meyerand ME. Characterizing instantaneous phase relationships in whole-brain fMRI activation data, *Hum Brain Mapp* 16:71-80, 2002.

Book Chapters

1. Laird AR, Lancaster JL, Fox PT. Functional brain mapping and activation likelihood estimation meta-analysis. In: Dhawan AP, Huang HK, Kim DS, editors. Principles and Recent Advances in Medical Imaging and Image Analysis. Hackensack, New Jersey: World Scientific, May 2008.

Conference Abstracts

1. Turner JA, Frishkoff G, Laird AR. Ontology harmonization between fMRI and ERP: CogPO and NEMO. 41th Annual Meeting of the Society for Neuroscience, Washington D.C., USA, 2011.
2. Turner JA, Fox PT, Beckmann CF, Smith SM, Laird AR. Do ontological concepts stand up to a meta-analysis of neuroimaging data? The Annual INCF Neuroinformatics Congress, Boston, MA, USA, 2011.

3. Schroeter ML, Laird AR, Chwiesko C, Deuschl C, Schneider E, Neumann J. Towards a cognitive neuropsychiatry of frontotemporal dementia. 17th Human Brain Mapping (HBM), Quebec City, Canada, 61MT, 2011.
4. Ray KL, Fox PM, McKay DR, Beckmann CF, Smith SM, Fox PT, Laird AR. Estimating BrainMap-based ICA dimensionality using cluster-based methods. 17th Human Brain Mapping (HBM), Quebec City, Canada, 659MT, 2011.
5. McKay R, Ray K, Fox M, Beckmann C, Smith S, Fox P, Laird A. Persistent and stable BrainMap-based ICA networks. 17th Human Brain Mapping (HBM), Quebec City, Canada, 736WTh, 2011.
6. Lancaster JL, Laird AR, Fox PM, Martinez M, Fox PT. BrainMap behavior profiles. 17th Human Brain Mapping (HBM), Quebec City, Canada, 352WTh, 2011.
7. Nickl-Jockschat T, Pagel A, Laird AR, Schneider F, Fox P, Eickhoff S. Brain structure changes in schizophrenia patients: Correlation with disease duration and functional. 17th Human Brain Mapping (HBM), Quebec City, Canada, 92WTh, 2011.
8. Flagmeier SG, Laird AR, Ballard KJ, Null M, Fox PT, Robin DA. Neural control of speech versus nonspeech oral movements: A meta-analytic approach. 17th Human Brain Mapping (HBM), Quebec City, Canada, 824WTh, 2011.
9. Cieslik EC, Zilles K, Caspers S, Roski C, Kellermann T, Jakobs O, Pomjanski W, Langner R, Laird AR, Fox P, Eickhoff S. Is there “one” DLPFC in motor control? Evidence from connectivity-based parcellation. 17th Human Brain Mapping (HBM), Quebec City, Canada, 367MT, 2011.
10. Eickhoff S, Jbabdi S, Caspers S, Laird AR, Fox P, Zilles K, Behrens T. Anatomical and functional connectivity of cytoarchitectonic areas on the human parietal operculum. 17th Human Brain Mapping (HBM), Quebec City, Canada, 727WTh, 2011.
11. Robin D, Eickhoff S, Manes J, Fox P, Laird AR. The functional connectivity of Broca’s and Wernicke’s areas: A meta-analytic approach. 17th Human Brain Mapping (HBM), Quebec City, Canada, 747WTh, 2011.
12. Schilbach L, Vogeley K, Fox P, Laird AR, Eickhoff S. Minds at rest – revisited. 17th Human Brain Mapping (HBM), Quebec City, Canada, 1077MT, 2011.
13. Rottschy C, Roski C, Caspers S, Reetz K, Dogan I, Schulz J, Zilles K, Laird AR, Fox P, Eickhoff S. Differentiated parietal connectivity of frontal regions for “what” and “where” memory. 17th Human Brain Mapping (HBM), Quebec City, Canada, 842WTh, 2011.
14. Hoffstaedter F, Grefkes C, Caspers S, Roski C, Laird AR, Fox P, Zilles K, Eickhoff S. Functional connectivity reveals the mid-cingulate cortex as center axis of intentional motor control. 17th Human Brain Mapping (HBM), Quebec City, Canada, 919 WTh, 2011.

15. Narayana S, Laird AR, Lancaster J, Fox P. Functional connectivity of the supplementary motor area parceled by domain specific meta-analysis. 17th Human Brain Mapping (HBM), Quebec City, Canada, 933WTh, 2011.
16. Zald DH, Ray K, McHugo M, Eickhoff S, Glahn D, Laird AR. Differential functional connectivity of the medial and lateral orbitofrontal cortex. 17th Human Brain Mapping (HBM), Quebec City, Canada, 966WTh, 2011.
17. Ramage AE, Laird AR, Eickhoff SB, Acheson A, Williamson DE, Fox PT. A coordinate-based meta-analysis of trauma processing in PTSD: Associations with pain processing. 66th Annual Conference, Society for Biological Psychiatry, San Francisco, CA, USA, 2011.
18. Glahn DC, Olvera RL, McKay DR, Winkler AM, Kochunov P, Almasy L, Duggirala R, Carless MA, Curran JC, Laird AR, Fox PT, Blangero J. Common genetic factors influence risk for major depression and default mode brain connectivity. 66th Annual Conference, Society for Biological Psychiatry, San Francisco, CA, USA, 2011.
19. Wey HY, Kochunov P, Fox PT, Laird AR, Duong TQ. Resting-state functional connectivity across primate species: Implications of evolutionary hemispheric asymmetry. 19th Annual Meeting & Exhibition of the International Society of Magnetic Resonance in Medicine, Montreal, Canada, 2011.
20. Wey HY, Laird AR, Fox PT, Duong TQ. Functional interpretations of the resting-state networks in nonhuman primate. 19th Annual Meeting & Exhibition of the International Society of Magnetic Resonance in Medicine, Montreal, Canada, 2011.
21. Rottschy C, Reetz K, Dogan I, Langer R, Laird AR, Schulz JB, Fox PT, Eickhoff SB. Effects of phase, property, and contrast on the cortical activation patterns in working memory tasks. 44th Annual Winter Conference on Brain Research, Keystone, CO, USA, 2011.
22. Glahn DC, Laird AR, Winkler AM, Carless MA, Curran JE, Almasy L, Duggirala R, Olvera RL, Fox PT, Blangero J. Identifying Genes Influencing Gray Matter Reductions in Schizophrenia: An Endophenotypic Strategy. 13th International Congress on Schizophrenia Research, Colorado Springs, CO, USA, 2011.
23. Turner JA, Laird AR. The cognitive paradigm ontology (CogPO): Experimental conditions and contrasts. 40th Annual Meeting of the Society for Neuroscience, San Diego, CA, USA, 2010.
24. Laird AR, Fox PM, Eickhoff SB, Turner JA, Ray KL, McKay DR, Glahn DC, Beckmann CF, Smith SM, Fox PT. Functional assessment of intrinsic connectivity networks. 40th Annual Meeting of the Society for Neuroscience, San Diego, CA, USA, 2010.
25. Niedam TA, Laird AR, Ray KL, Dean YM, Glahn DC, Carter CS. Executive functions: Unitary construct or separable domains? A quantitative meta-analysis of functional neuroimaging studies of healthy executive functioning. 40th Annual Meeting of the Society for Neuroscience, San Diego, CA, USA, 2010.

26. Turner JA, Laird AR. Cognitive paradigm ontology: Representing cognitive behavioral experiments. *Bio-ontologies: Knowledge in Biology, Intelligent Systems for Molecular Biology (ISMB)*, Boston, MA, USA, 2010.
27. Nickl-Jockschat T, Habel U, Michel TM, Laird AR, Fox PT, Schneider F, Eickhoff SB. Brain structure anomalies in autism spectrum disorder and their relation to age: A meta-analysis of VBM studies using anatomic likelihood estimation. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 395 WTh-AM, 2010.
28. Kleiman A, Nickl-Jockschat T, Laird AR, Fox PT, Schulz JB, Eickhoff SB, Reetz K. Structural changes associated with mild cognitive impairment: A quantitative meta-analysis. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 345 WTh-AM, 2010.
29. Dogan I, Eickhoff SB, Fox PT, Laird AR, Schulz JB, Shah JN, Reetz K. Meta-analysis of VBM imaging studies in Huntington's disease. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 472 MT-PM, 2010.
30. Rottschy C, Eickhoff SB, Dogan I, Laird AR, Fox PT, Schulz JB, Reetz K. Modeling neural correlates of working memory and discrepancies of studies investigating it. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 930 MT-PM, 2010.
31. Langner R, Kurth F, Zilles K, Fox PT, Laird AR, Schneider F, Eickhoff SB. ALE meta-analysis of brain activity patterns during sustained attention. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 59 WTh-AM, 2010.
32. Eickhoff SB, Laird AR, Kurth F, Fox PT. New developments in coordinate-based meta-analysis of functional neuroimaging studies. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 1068 MT-PM, 2010.
33. Salimi-Khorshidi R, Nichols T, Laird AR, Fox PT, Smith SM. Meta-analytic causal interference: Extracting brain regions' nonlinear/modulatory interactions. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 1013 MT-AM, 2010.
34. Smith SM, Laird AR, Woolrich MW, Fox PT, Beckmann CF. Hierarchies of resting and activation networks. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 1160 MT-PM, 2010.
35. Robinson JL, Laird AR, Sanghera MK, Glahn DC, Fox PT. Meta-analytic connectivity modeling of the human caudate: Evidence for behavioral specificity. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 1041 MT-AM, 2010.
36. Acheson A, Laird AR, Fox PT, Lovallo W. Differences in resting state activity in young adults with or without a family history of alcoholism. 16th Human Brain Mapping (HBM), Barcelona, Spain, Poster 281 WTh-AM, 2010.
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