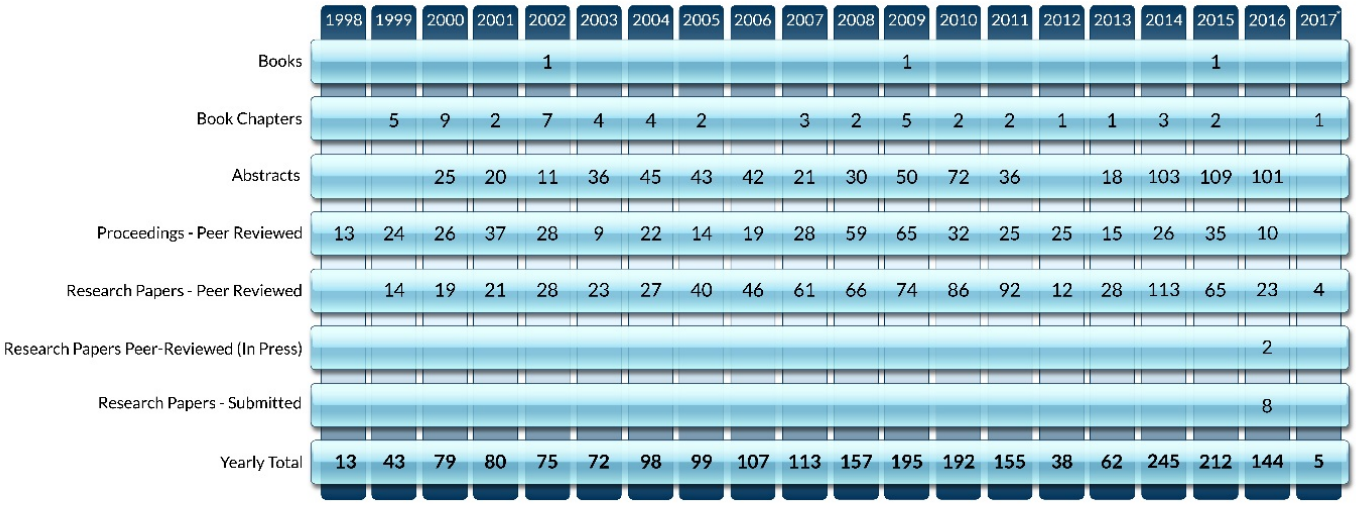
PUBLICATIONS

Laboratory of Neuro Imaging Resource (LONIR) Publications List

Below is a summary of all publications organized by type and year in reverse chronological order since the inception of the LONIR in 1998.



* Stats for 2017 are as of January, 2017

Books

2015

1. Brain Mapping: An Encyclopedic Reference 2015 Elsevier, Toga AW [ed].

2009

1. Paxinos G, Huang XF, Petrides M & Toga AW 2009 The Rhesus monkey brain in stereotaxic coordinates, Second Edition, Academic Press.

2002

2. Toga AW & Mazziotta JC. Brain Mapping: The Methods, 2nd Edition, 2002 Academic Press [eds].

Book Chapters

2017

1. Van Horn JD & Toga AW 2017 "Brain Atlases: Their Development and Role in Functional Inference", In Filippi, M. (Ed) Functional MRI Techniques and Protocols, Second Edition. Humana Press.

2015

1. Thompson PM, Hibar DP, Stein JL & Jahanshad N 2015 Imaging Genomics and ENIGMA, Book chapter for Genomics, Circuits and Pathways for the Clinical Neuroscientist, Edited by Thomas Lehner, Matt State, Bruce Miller
2. Van Horn JD 2015 Databases. Toga AW (ed) Brain Mapping: A Comprehensive Reference, Elsevier Press.

2014

1. Stein JL, Thompson PM, Nichols TE 2014 Statistical Methods for Meta-Analysis, Book Chapter for JB Poline & Giovanni Montana.
2. Thompson PM, Alger JR & Jahanshad N 2014 Brain Imaging in People with HIV, Chapter in: Global Virology, ed. Paul Shapshak
3. Van Horn JD, Thompson PM, Wald L, Wedeen V, Rosen B & Toga AW 2014 The Human Connectome Project. Discoveries in Modern Science: Exploration, Invention, Technology, MacMillan Press.

2013

1. Toga AW, Clark K, Dong HW, Thompson PM & Van Horn JD 2013 Brain Connectomics in Man and Mouse. Copolla, G. (Ed) Omics in Neuroscience, Oxford University Press.

2012

1. Toga AW 2012 The clinical value of large neuroimaging data sets in Alzheimer's Disease, In: Neuroimaging Clinics: Imaging in Alzheimer's Disease and Other Dementias, Murray AD [Ed.], Elsevier, 22(1): 107-118.

2011

1. Colom R & Thompson PM 2011 Understanding Intelligence by imaging the brain, in: The Wiley-Blackwell Handbook of Individual Differences, T. Chamorro-Premuzic, S. von Stumm and A. Furnham [eds.], Wiley-Blackwell, Oxford, UK. doi: 10.1002/9781405184359.ch12
2. Leow AD, Apostolova LG & Thompson PM 2011 Computational Anatomy in Alzheimer's Disease. Principles and Practice of Geriatric Psychiatry, in: Principles and Practice of Geriatric Psychiatry, Third Edition, M. T. Abou-Saleh, C. Katona and A. Kumar [eds.] , John Wiley & Sons, Ltd, Chichester, UK. doi: 10.1002/9780470669600.ch46

2010

1. Chung G, Dinov I, Toga AW & Vese L 2010 MRI tissue segmentation using a variational multilayer approach, In: Computational Biomechanics for Medicine: Part 1, Miller & Neilsen [ed.], Springer, 5-16.
2. Luders E & Toga AW 2010 Sex differences in brain anatomy, in: Progress in Brain Research: Gender Differences in the Human Brain, Elsevier Science, (186:2-12).

2009

1. Apostolova LG & Thompson PM 2009 Structural imaging of Alzheimer's Disease, in: Imaging of Neuropsychiatric Disorders Textbook, Martha Shenton, Bruce Turetsky [ed.], Cambridge University Press.
2. Brennan KC & Toga AW 2009 Intraoperative optical imaging, in: In Vivo Optical Imaging of Brain Function, 2nd Edition, Frostig F. [ed.], CRC Press.
3. Toga AW, Narr KL, Thompson PM & Luders E 2009 Brain asymmetry: Evolution. In: New Encyclopedia of Neuroscience, 3rd Edition, Squire LR [Ed.], Elsevier. 2: 303-311.
4. Van Horn JD & Toga AW 2009 Brain atlases: Their development and role in functional inference. In: Functional MRI Techniques, Filippi M. [Ed.], Humana Press, Neuromethods series.
5. Van Horn JD & Toga AW 2009 Databasing the aging brain. In: Imaging the Aging Brain, Jagust & D'Esposito [Ed.], Oxford University Press, 351-360.

2008

1. Becker JT, Raji CA, Olabarrieta M, Carmichael OT, Dai W, Maruca V, Thompson PM, Kuller L & Lopez OL 2008 Brain structural and functional correlates of dementia and mild cognitive impairment in the context of community-based studies, in: Neuroimaging Research in Geriatric Mental Health, Aizenstein and Reynolds [eds.], Springer.
2. Morra JH, Tu Z, Toga AW & Thompson PM 2008 Machine learning for brain image segmentation, In: Biomedical Image Analysis and Machine Learning Technologies: Applications and Techniques, Romero E. & Gonzalez F. [eds.], IGI Global, 102-126.

2007

1. MacKenzie-Graham A, Boline J & Toga AW 2007 Brain atlases and neuroanatomic imaging, In: Neuroinformatics.
2. Sowell ER, Thompson PM & Toga AW 2007 Mapping adolescent brain maturation using structural Magnetic resonance imaging, in: Adolescent Psychopathology and the Developing Brain: Integrating Brain and Prevention Science, Daniel Romer and Elaine F. Walker [Eds.]
3. Van Horn JD & Toga AW 2007 Databasing the aging brain. In Imaging the Aging Brain, Jagust & D'Esposito [Ed.], Oxford University Press.

2005

1. Thompson PM, Sowell ER, Gogtay N, Giedd JN, Vidal CN, Hayashi KM, Leow A, Nicolson R, Rapoport JL & Toga AW 2005 Structural MRI and Brain Development, in: International Review of Neurobiology, Glabus M [Ed.]
2. Toga AW & Thompson PM 2005 Brain Atlases of Normal and Diseased Populations, in: International Review of Neurobiology Neuroimaging, 66:1-54.

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1. Pitiot A, Delingette H & Thompson PM 2004 Automated Image Segmentation: Issues and Applications. In: Medical Imaging Systems: Technology and Applications,Leondes C [ed.], Academic Press.
2. Thompson P, Rapoport JL, Cannon TD & Toga AW 2004 Automated analysis of structural MRI data, in: Schizophrenia: From Neuroimaging to Neuroscience, S Lawrie, E Johnstone & D Weinberger [Eds.], Oxford University Press, United Kingdom, 119-165.
3. Thompson PM, Hayashi KM, de Zubicaray G, Janke AL, Sowell ER, Rose SE, Semple J, Herman D, Hong MS, Dittmer SS, Doddrell DM & Toga AW 2004 Dynamic Mapping of Alzheimer's Disease, in: The Living Brain and Alzheimer's Disease, Hyman B [Ed.], Springer-Verlag.
4. Toga AW, Thompson PM, Narr KL & Sowell ES 2004 Probabilistic brain atlases of normal and diseased populations, in: Databasing the Brain: From data to knowledge (Neuroinformatics), Koslow & Subramaniam [Eds.], John Wiley & Sons, Inc.

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1. Thompson PM, Rapoport JL, Cannon TD & Toga AW 2003 Automated Analysis of Structural MRI Data, in: Brain Imaging in Schizophrenia, Lawrie, Johnstone & Weinberger [eds.], Oxford University Press, New York.

2. Toga AW, Thompson PM, Sowell ER & Narr KL 2003 Probabilistic Brain Atlases of Normal and Diseased Populations, in: Databasing the Brain: From Data to Knowledge (Neuroinformatics), Koslow SH, Subramaniam SH (eds.), John Wiley & Sons, Inc.
3. Toga AW 2003 Brain atlases for the 21st century, in: Psychiatric Neuroimaging, Ng, Barker & Hendler [Eds.], IOS Press, The Netherlands, 9-15.
4. Woods RP 2003 MultiTracer: A java based tool for anatomic delineation of grayscale volumetric images. NeuroImage.

2002

1. Annese J & Toga AW 2002 Post mortem Anatomy, in: Brain Mapping: The Methods, 2nd Edition, Toga & Mazziotta [eds.], Academic Press, San Diego.
2. Mazziotta JC & Toga AW 2002 Speculations about the future, in: Brain Mapping: The Methods, 2nd Edition, Toga & Mazziotta [eds.], Academic Press, San Diego.
3. Thompson P, Mega MS & Toga AW 2002 Sub-population brain atlases, in: Brain Mapping: The Methods, 2nd Edition, Toga & Mazziotta [eds.], Academic Press, San Diego.
4. Toga AW & Mazziotta JC 2002 Introduction to Cartography of the Brain, in: Brain Mapping: The Methods, 2nd Edition, Toga & Mazziotta [eds.], Academic Press, San Diego.
5. Toga AW 2012 The clinical value of large neuroimaging data sets in Alzheimer's Disease, In: Neuroimaging Clinics: Imaging in Alzheimer's Disease and Other Dementias, Murray AD [Ed.], Elsevier, 22(1): 107-118.
6. Pouratian N & Toga AW 2002 Optical imaging based on intrinsic signals, in: Brain Mapping: The Methods, 2nd Edition, Toga & Mazziotta [eds.], Academic Press, San Diego.
7. Toga AW, Mega MS & Thompson PM 2002 Neuroimaging Alzheimer's Disease, in: The Neuropathology of Dementia, Esiri & Morris [Eds.], Cambridge University Press.

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1. Thompson PM, Narr KL, Blanton RE, Toga AW 2001 Mapping Structural Alterations of the Corpus Callosum during Brain Development and Degeneration, in: The Corpus Callosum, Iacoboni M, Zaidel E [eds.], MIT Press.
2. Toga, AW & Pouratian, N 2001 Intraoperative Optical Imaging, in: Methods for in vivo optical imaging of the central nervous system, R. Frostig [ed.], CRC Press.

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1. Gordon E, Rennie C, Toga AW and Mazziotta JC 2000 Human Brain Imaging Technologies, in: Integrative Neuroscience, Gordon E [ed.], Harwood Academic Publishers.
2. Mega MS, Thompson PM, Toga AW, Cummings JL 2000 Brain Mapping in Dementia, Book Chapter in: Brain Mapping: The Disorders, Toga AW, Mazziotta JC [eds.], Academic Press, July 2000.
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4. Thompson PM, Narr KL, Blanton RE, Toga AW 2000 Mapping Structural Alterations of the Corpus Callosum during Brain Development and Degeneration, in: The Corpus Callosum, Iacoboni M, Zaidel E [eds.], MIT Press.
5. Thompson PM, Toga AW 2000 Elastic Image Registration and Pathology Detection, in: Handbook of Medical Image Processing, Bankman I, Rangayyan R, Evans AC, Woods RP, Fishman E, Huang HK [eds.], Academic Press.
6. Thompson, PM, Mega, MS, & Toga, AW. 2000 Disease-Specific Brain Atlases, in Brain Mapping: The Disorders, Mazziotta JC, Toga, AW & Frackowiak, RJ [eds.], Academic Press.
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9. Toga, A.W. & Thompson, P.M. 2000 An introduction to maps and atlases of the brain, in Brain Mapping: The Applications, A.W. Toga and J.C. Mazziotta [eds.], Academic Press, San Diego.

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1. Thompson PM, Narr KL, Blanton RE, Toga AW 1999 Mapping Structural Alterations of the Corpus Callosum during Brain Development and Degeneration, in: Iacoboni M, Zaidel E [eds.], The Corpus Callosum, Kluwer Academic Press.
2. Thompson PM, Toga AW 1999 Elastic Image Registration and Pathology Detection, Book Chapter in: Bankman I, Rangayyan R, Evans AC, Woods RP, Fishman E, Huang HK [eds.], Handbook of Medical Image Processing, Academic Press.
3. Toga AW, Thompson PM 1999 An Introduction to Brain Warping [Introductory Chapter], in: Brain Warping, (Toga AW, ed.), Academic Press.
4. Toga AW, Thompson PM 1999 Brain Atlases and Image Registration, Book Chapter in: Bankman I, Rangayyan R, Evans AC, Woods RP, Fishman E, Huang HK [eds.], Handbook of Medical Image Processing, Academic Press.

5. Toga AW, Thompson PM 1999 Multimodal Brain Atlases, in: Medical Image Databases, Wong STC [ed.], Kluwer Academic Press, pp.53-88.

Research Papers – Peer Reviewed

2017

1. Acheson A, Wijtenburg SA, Rowland LM, Mathias CW, Hong LE, Jahanshad N, Patel B, Thompson PM, McGuire SA, Sherman PM, Dougherty DM, & Kochunov P 2017 Reproducibility of tract-based white matter microstructural measures using the ENIGMA-DTI protocol, Brain Behav., 7(2): e00615. PMCID: PMC5318368
2. Jahanshad N & Thompson PM 2017 Multimodal neuroimaging of male and female brain structure throughout the lifespan and around the world, Journal of Neuroscience Research, 95(1-2):371-379. PMID: 27870421 PMCID: PMC5119539.
3. Thylur DS, Jacobs RE, Go JL, Toga AW & Niparko JK 2017 Ultra-High-Field Magnetic Resonance Imaging of the Human Inner Ear at 11.7 Tesla, Otology & Neurotology, 38(1):133-138. PMID: 27755367.
4. ikram MA, Hibar D, Adams H, Jahanshad N, Chauhan G, Stein J, Hofer E, Rentería M, Bis J, Arias-Vasquez A, Ikram MK, Desrivieres S, Vernooij M, Abramovic L, Alhusaini S, Amin N, Andersson M, Arfanakis K, Aribisala B, Armstrong N, Athanasiu L, Axelsson T, Beecham A, Beiser A, Bernard M, Blanton S, Bohlken M, Boks M, Bralten J, Brickman A, Carmichael O, Chakravarty M, Chen Q, Ching C, Chouraki V, Crivello F, Cuellar-Partida G, Braber A, Doan NT, Ehrlich S, Giddaluru S, Goldman A, Gottesman R, Grimm O, Griswold M, Guadalupe T, Gutman B, Hass J, Haukvik U, Hoehn D, Holmes A, Hoogman M, Janowitz D, Jia T, Jørgensen K, Mirza-Schreiber N, Kasperaviciute D, Kim S, Klein M, Krämer B, Lee P, Liewald D, Lopez L, Luciano M, Macare C, Marquand A, Matarin M, Mather K, Mattheisen M, McKay D, Milaneschi Y, Maniega SM, Nho K, Nugent A, Nyquist P, Loohuis LO, Oosterlaan J, Papmeyer M, Pirpamer L, Pütz B, Ramasamy A, Richards J, Risacher S, Roiz-Santiañez R, Rommelse N, Ropele S, Rose E, Royle N, Rundek T, Sämann P, Satizabal C, Schmaal L, Schork A, Shen L, Shin J, Shumskaya E, Smith A, Sprooten E, Strike L, Teumer A, Tordesillas-Gutierrez D, Toro R, Trabzuni D, Trompet S, Vaidya D, Grond JV, Lee S, Meer DV, Donkelaar M, Eijk KV, Erp T, Rooij DV, Walton E, Westlye LT, Whelan C, Windham B, Winkler A, Wittfeld K, Woldehawariat G, Wolf C, Wolfers T, Yanek L, Yang J, Zijdenbos A, Zwiers M, Agartz I, Almasy L, Ames D, Amouyel P, Andreassen O, Arepalli S, Assareh A, Barral S, Bastin M, Becker D, Becker J, Bennett D, Blangero J, Bokhoven H, Boomsma D, Brodaty H, Brouwer R, Brunner H, Buckner R, Buitelaar J, Bulayeva K, Cahn W, Calhoun V, Cannon D, Cavalleri G, Cheng C, Cichon S, Cookson M, Corvin A, Crespo-Facorro B, Curran J, Czisch M, Dale A, Davies G, Craen AD, Jager PD, Geus E, Zubicaray GD, Deary I, Debette S, DeCarli C, Delanty N, Depondt C, DeStefano A, Dillman A, Donohoe G, Drevets W, Djurovic S, Duggirala R, Dyer T, Enzinger C, Erk S, Espeseth T, Fedko I, Fernández G, Ferrucci L, Fisher S, Fleischman D, Ford I, Fornage M, Foroud T, Fox P, Francks C, Fukunaga M, Gibbs J, Glahn D, Gollub R, Göring H, Green R, Gruber O, Gudnason V, Guelfi M, Hansell N, Hardy J, Hartman C, Hashimoto R, Hegenscheid K, Heinz A, Hellard S, D , Heslenfeld D, Ho B, Hoekstra P, Hoffmann W, Hofman A, Holsboer F, Homuth G, Hosten N, Hottenga J, Hulshoff Pol H, Masashi Ikeda, Jack C, Jenkinson M, Johnson R, Jonsson E, Jukema JW, Kanai R, Kloszewska I, Kahn E, Knopman D, Kochunov P, Kwok J, Lawrie S, Lemaître H, Liu X, Longo D, Lopez O, Lovestone S, Martinez O, Martinot J, Mattay V, McDonald C, Mcintosh A, McMahon F, McMahon K, Mecocci P, Melle I, Meyer-Lindenberg A, Mohnke S, Montgomery G, Morris D, Mosley T, Mühleisen T, Müller-Myhsok B, Nalls M, Nauck M, Nichols T, Niessen W, Nöthen M, Nyberg L, Ohi K, Olvera R, Ophoff R, Pandolfo M, Paus T, Pausova Z, Penninx B, Pike GB, Potkin S, Psaty B, Reppermund S, Rietschel M, Roffman J, Romanczuk-Seiferth N, Rotter J, Ryten M, Sacco R, Sachdev P, Saykin A, Schmidt R, Schmidt H, Schofield P, Sigursson S, Simmons A, Singleton A, Sisodiya S, Smith C, Smoller J, Soininen H, Steen V, Stott D, Sussmann J, Thalamuthu A, Toga A, Traynor B, Troncoso J, Tsolaki M, Tzourio C, Uitterlinden A, Hernández MV, Ent D, Brug MV, Lugt A, Wee N, Haren N, Tol MV, Vardarajan B, Vellas B, Veltman D, Völzke H, Walter H, Wardlaw J, Wassink T, Weale M, Weinberger D, Weiner M, Wen W, Westman E, White T, Wong T, Wright C, Zielke R, Zonderman A, Martin N, Duijn C, Wright M, Longstreth WT Jr, Schumann G, Grabe H, Franke B, Launer L, Medland S, Seshadri S, Thompson P, Saremi A, Haberg A & Huentelman M 2017 Novel genetic loci associated with hippocampal volume, Nature Neuroscience, 8:13624. PMID: 28098162 PMCID: PMC5253632

2016

1. Adams H, Hibar D, Chouraki V, Stein J, Nyquist P, Renteria M, Trompet S, Arias-Vasquez A, Seshadri S, Desrivieres S, Beecham A, Jahanshad N, Wittfeld K, van der Lee S, Abramovic L, Alhusaini S, Amin N, Andersson M, Arfanakis K, Aribisala B, Armstrong N, Athanasiu L, Axelsson T, Beiser A, Bernard M, Bis J, Blanken L, Blanton S, Bohlken M, Boks M, Bralten J, Brickman A, Carmichael O, Chakravarty M, Chauhan G, Chen Q, Ching C, Cuellar-Partida G, den Braber A, Doan NT, Ehrlich S, Filippi I, Ge T, Giddaluru S, Goldman A, Gottesman R, Greven C, Grimm O, Griswold M, Guadalupe T, Hass J, Haukvik U, Hilal S, Hofer E, Hoehn D, Holmes A, Hoogman M, Janowitz D, Jia T, Karbalai N, Kasperaviciute D, Kim S, Klein M, Krämer B, Lee P, Liao J, Liewald D, Lopez L, Luciano M, Macare C, Marquand A, Matarin M, Mather K, Mattheisen M, Mazoyer B, McKay D, McWhirter R, Milaneschi Y, Muetzel R, Muñoz Maniega S, Nho K, Nugent A, Loohuis LO, Oosterlaan J, Papmeyer M, Pappa I, Pirpamer L, Pudas S, Pütz B, Rajan K, Ramasamy A, Richards J, Risacher S, Roiz-Santiañez R, Rommelse N, Rose E, Royle N, Rundek T, Sämann P, Satizabal C, Schmaal L, Schork A, Shen L, Shin J, Shumskaya E, Smith A, Sprooten E, Strike L, Teumer A, Thomson R, Tordesillas-Gutierrez D,

Toro R, Trabzuni D, Vaidya D, Van der Grond J, Van der Meer D, van Donkelaar M, Van Eijk K, van Erp T, Van Rooij D, Walton E, Westlye LT, Whelan C, Windham B, Winkler A, Woldehawariat G, Wolf C, Wolfers T, Xu B, Yanek L, Yang J, Zijdenbos A, Zwiers M, Agartz I, Aggarwal N, Almasy L, Ames D, Amouyel P, Andreassen O, Arepalli S, Assareh A, Barral S, Bastin M, Becker J, Becker D, Bennett D, Blangero J, Bokhoven H, Boomsma D, Brodaty H, Brouwer R, Brunner H, Buckner R, Buitelaar J, Bulayeva K, Cahn W, Calhoun V, Cannon D, Cavalleri G, Chen C, Cheng CY, Cichon S, Cookson M, Corvin A, Crespo-Facorro B, Curran J, Czisch M, Dale A, Davies G, de Geus E, De Jager P, De Zubicaray G, Delanty N, Depondt C, DeStefano A, Dillman A, Djurovic S, Donohoe G, Drevets W, Duggirala R, Dyer T, Erk S, Espeseth T, Evans D, Fedko I, Fernández G, Ferrucci L, Fisher S, Fleischman D, Ford I, Foroud T, Fox P, Francks C, Fukunaga M, Gibbs J, Glahn D, Gollub R, Göring H, Grabe H, Green R, Gruber O, Guelfi M, Hansell N, Hardy J, Hartman C, Hashimoto R, Hegenscheid K, Heinz A, Hellard S, Hernandez D, Heslenfeld D, Ho B-C, Hoekstra P, Hoffmann W, Hofman A, Holsboer F, Homuth G, Hosten N, Hottenga J, Pol HH, Ikeda M, Ikram MK, Jack C, Jenkinson M, Johnson R, Jonsson E, Jukema JW, Kahn R, Kanai R, Kloszewska I, Knopman D, Kochunov P, Kwok J, Launer L, Lawrie S, Lemaitre H, Liu X, Longo D, Longstreth WT Jr, Lopez O, Lovestone S, Martinez O, Martinot J-L, Mattay V, McDonald C, Mcintosh A, McMahon F, McMahon K, Mecocci P, Melle I, Meyer-Lindenberg A, Mohnke S, Montgomery G, Morris D, Mosley T, Mühleisen T, Müller-Myhsok B, Nalls M, Nauck M, Nichols T, Niessen W, Nöthen M, Nyberg L, Ohi K, Olvera R, Ophoff R, Pandolfo M, Paus T, Pausova Z, Penninx B, Pike GB, Potkin S, Psaty B, Reppermund S, Rietschel M, Roffman J, Romanczuk-Seiferth N, Rotter J, Ryten M, Sacco R, Sachdev P, Saykin A, Schmidt R, Schofield P, Sigursson S, Simmons A, Singleton A, Sisodiya S, Smith C, Smoller J, Soininen H, Srikanth V, Steen V, Stott D, Sussmann J, Thalamuthu A, Tiemeier H, Toga AW, Traynor B, Troncoso J, Turner J, Tzourio C, Uitterlinden A, Valdés Hernández M, Van der Brug M, van der Lugt A, van der Wee N, van Duijn C, van Haren N, van 't Ent D, Van Tol M-J, Vardarajan B, Veltman D, Vernooij M, Völzke H, Walter H, Wardlaw J, Wassink T, Weale M, Weinberger D, Weiner M, Wen W, Westman E, White T, Wong T, Wright C, Zielke R, Zonderman A, Deary I, DeCarli C, Schmidt H, Martin N, De Craen A, Wright M, Gudnason V, Schumann G, Fornage M, Franke B, Debette S, Medland S & Ikram A M 2016 Novel genetic loci underlying human intracranial volume identified through genome-wide association, Nature Neuroscience,19(12):1569-1582, PMCID:PMC5227112.

2. Alhusaini S, Whelan CD, Sisodiya SM & Thompson PM 2016 Quantitative neuroimaging traits as endophenotypes for epilepsy, NeuroImage Clinical, 12:526-534. PMID: 27672556 PMCID: PMC5030372
3. Ardestani A, Shen W, Darvas F, Toga AW & Fuster JM 2016 Modulation of Frontoparietal Neurovascular Dynamics in Working Memory. Journal of cognitive neuroscience. 28(3):379-401. PMID: 26679214.
4. Aydogan D & Shi Y 2016 Probabilistic tractography for topographically organized connectomes, Springer International Publishing, 201-209.
5. Daianu M, Mendez MF, Baboyan VG, Jin Y, Melrose RJ, Jimenez EE & Thompson PM 2016 An advanced white matter tract analysis in frontotemporal dementia and early-onset Alzheimer's disease. Brain imaging and behavior. 10(4):1038-1053. PMID: 26515192
6. Dewan P, Ashish N & Toga AW 2016 The GAAIN Entity Mapper: An Active-Learning System for Medical Data Mapping, Frontiers in Neuroinformatics, 9(30):1-10. PMID: 26793094 PMCID: PMC4710756.
7. Dinov ID, Heavner B, Tang M, Glusman G, Chard K, Darcy M, Madduri R, Pa J, Spino C, Kesselman C, Foster I, Deutsch EW, Price ND, Van Horn JD, Ames J, Clark K, Hood L, Hampstead BM, Dauer W & Toga AW 2016 Predictive Big Data Analytics: A Study of Parkinson's Disease using Large, Complex, Heterogeneous, Incongruent, Multi-source and Incomplete Observations, PLoS One, 11(8):e0157077:1-28. doi: 10.1371/journal.pone.0157077. PMID: 27494614 PMCID: PMC4975403.
8. Fan Q, Witzel T, Nummenmaa A, Van Dijk K, Van Horn JD, Drews MK, Somerville LH, Sheridan MA, Santillana RM, Snyder J, Hedden Y, Shaw EE, Hollinshead MO, Renvall V, Zanzonico R, Keil B, Cauley S, Polimeni JR, Tisdall D, Buckner RL, Wedeen VJ, Wald LL, Toga AW & Rosen BR 2016 MGH-USC Human Connectome Project datasets with ultra-high b-Value diffusion MRI, NeuroImage, 124(B):1108-14. PMID: 26364861 PMCID: PMC4651764.
9. Fu K, Nathan R, Dinov I, Li J & Toga AW 2016 T2-Imaging Changes in the Nigrosome-1 Relate to Clinical Measures of Parkinson's Disease, Frontiers in Neurology, 7:174.
10. Gahm JK & Shi Y 2016 Riemannian metric optimization for connectivity-driven surface mapping, Springer International Publishing, 228-236.
11. Jin Y, Huang C, Daianu M, Zhan L, Dennis EL, Zhu H, Thompson PM & Alzheimer's Disease Neuroimaging Initiative 2016 3-D Tract-Specific Analysis of White Matter Integrity in Alzheimer's Disease using the autoMATE method, Human Brain Mapping. PMID: 27883250
12. Kochunov P, Rowland LM, Fiereman E, Veraart J, Jahanshad N, Eskandar G, Du X, Muellerklein F, Savransky A, Shulka D, Sampath H, Thompson PM & LE Hong 2016 Diffusion weighted imaging uncovers likely sources of processing speed deficits in schizophrenia, Proceedings of the National Academy of Sciences, 113(47):13504-13509. PMID: 27834215 PMCID: PMC5127361.
13. Lederman C, Joshi A, Dinov I, Van Horn JD, Garcia A, Chan K, Vese L & Toga AW 2016 A Unified Variational Volume Registration Method based on Automatically Learned Brain Structures, Journal of Mathematical Imaging and Vision, *55*:179 ISSN 0924-9907, DOI 10.1007/s10851-015-0604-x.

14. Leng Y, Shi Y, Yu Q, Van Horn J, Tang H, Li J, Xu W, Ge X, Tang, Y, Han Y, Zhang D, Xiao M, Zhang H, Pang Z, Toga AW & Liu S 2016 Phenotypic and genetic correlations between the lobar segments of the inferior fronto-occipital fasciculus and attention, Scientific Reports, 6:33015. doi: 10.1038/srep33015. PMID: 27597294 PMCID: PMC5011720.
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16. Li J, Shi Y, Toga AW 2016 Transformation Invariant Control of Voxel-Wise False Discovery Rate, IEEE Transactions on Medical Imaging, 35(10):2243-2257. PMID: 27834638.
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1. Li J, Gahm JK, Shi Y & Toga AW 2016 Topological false discovery rates for brain mapping based on signal height, NeuroImage (in press).
2. Moyer D, Gutman BA, Prasad G, Ver Steeg G & Thompson PM 2016 Mixed membership stochastic blockmodels for the human connectome, Computer Vision and Image Understanding (CVIU) (in press).

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1. Dennis EL, Babikian T, Alger JR, Villalon-Reina JE, Mink R, Babbitt C, Johnson J, Giza CC, Asarnow RF & Thompson PM 2016 Tract-based spectroscopy to investigate pediatric brain trauma, ISBI, Prague, Czech Republic, April 13-16.
2. Dennis EL, Rashid F, Villalon-Reina J, Prasad G, Faskowitz J, Babikian T, Mink R, Babbitt C, Johnson J, Giza CC & Asarnow RF 2016 Multi-modal Registration Improves Group Discrimination in Pediatric Traumatic Brain Injury, MICCAI Brain Lesion Workshop, Athens, Greece, 2016, accepted, in press [also Platform Talk].
3. Fick RHJ, Daianu M, Thompson PM, Town T & Deriche R 2016 A Longitudinal Diffusion MRI Study of Transgenic Alzheimer Rats using Higher Order Models, MICCAI CD-MRI Workshop, Athens, Greece, October 17-21.
4. Gupta V, Prasad G & Thompson PM 2016 A volumetric conformal mapping approach for clustering white matter fibers in the brain, MICCAI SESAMI Workshop, Athens, Greece, October 17-21.
5. Moyer D, Gutman B, Jahanshad N, Nir T & Thompson PM 2016 Cluster weighted regressions for connectome analysis, ISBI, Prague, Czech Republic, April 13-16.
6. Moyer D, Gutman BA, Jahanshad N, Faskowitz J & Thompson PM 2016 A Continuous model of cortical connectivity, MICCAI 2016, accepted, May 2016, Athens, Greece [also selected for platform talk].
7. Schuler RE, Kesselman C & Czajkowski K 2016 Accelerating Data-Driven Discovery With Scientific Asset Management, IEEE 12th International Conference, Baltimore, MD, USA, Oct 23-27, 31-40.
8. Villalon-Reina JE, Nir TM, Gutman BA, Jahanshad N, Jr CR, Weiner MW, Pasternak O & Thompson PM 2016 Multichannel Diffusion MRI for Predicting Alzheimers Disease with a TV-L1 prior, MICCAI CD-MRI Workshop, Athens, Greece, Oct 17 - 21.
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2. Daianu M, Jahanshad N, Mezher A, Hibar DP, Nir TM, Jack CR Jr, Weiner MW, Bernstein M & Thompson PM 2015 Spectral Graph Theory and Graph Energy Metrics Show Evidence for the Alzheimer's Disease Disconnection Syndrome in APOE- 4 Risk Gene Carriers, ISBI 2015, New York, New York, April 16-19.
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4. Demirhan A, Nir TM, Zavaliangos-Petropulu A, Jack CR Jr, Weiner MW, Bernstein MA, Thompson PM, Jahanshad N & the Alzheimer's Disease Neuroimaging Initiative (ADNI) 2015 Effect of Feature Selection to Improve the Accuracy of Classifying Alzheimer Disease Using Diffusion Tensor Images, ISBI 2015, New York, New York, April 16-19.
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OA, Houenou J, for the ENIGMA-Bipolar Disorder DTI Working Group 2016 Bipolar disorder and white matter microstructure: ENIGMA Bipolar disorder DTI results, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.

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62. Petrosyan P, Hobel S, Irimia A, Van Horn JD & Toga AW 2016 LONI QC: a system for the quality control of structural, functional and diffusion brain images, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
63. Pizzagalli F, Auzias G, Faskowitz JI, Kochunov P, Glahn DC, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, Jahanshad N & Thompson PM 2016 Heritability of 492 cortical sulci measures in 1459 adults, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
64. Plis S, Sarwate A, Wood D, Dieringer C, Landis D, Reed C, Panta S, Turner J, Shoemaker J, Carter K, Thompson PM & Calhoun V 2016 COINSTAC: A privacy enabled model for leveraging and processing decentralized brain imaging data, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
65. Prasad G, Harrison M, Faskowitz J, Jahanshad N, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, & Thompson PM 2016 Optimizing Cortical Thickness Measures to Boost Heritability, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
66. Ragothaman A, Zavaliangos-Petropulu A, Saremi A, Ching C, Thompson PM & Gutman B 2016 Mapping Subcortical Shape Change Rates in Alzheimers Disease, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
67. Rajagopalan P, ..., Thompson PM 2016 Higher levels of stress hormone, Cortisol, is associated with larger ventricular volumes, in two independent elderly study cohorts, submitted to RSNA 2016
68. Rashid F, Dennis EL, Villalon-Reina J, Prasad G, Faskowitz J, Babikian T, Mink R, Babbitt C, Johnson J, Giza CC, Asarnow RF & Thompson PM 2016 Improved Group Differentiation of Adolescent Traumatic Brain Injury using Multimodal Registration and Automatic Multi-atlas Tract Extraction (autoMATE), SFN, San Diego, CA, USA, Nov 2-6.
69. Rashid FM, Dennis EL, Ellis MU, Marion SD, Jin Y, Babikian T, Kernan C, Mink R, Babbitt C, Johnson J, Giza CC, Thompson PM & Asarnow R 2016 Effects of Disruption in White Matter Integrity Shown Chronically in Pediatric Traumatic Brain Injury, Cognitive Neuroscience Society (CNS) New York, NY.
70. Riedel BC, Brinton RD & Thompson PM 2016 Elucidating the role of ABO blood type in risk for Alzheimers Disease, Cognitive Neuroscience Society, New York, New York, April 2-5.
71. Riedel BC, Brinton RD & Thompson PM 2016 Towards multivariate genetic models predicting Alzheimers disease risk, SFN, San Diego, CA, USA, Nov 2-6.
72. Riedel BC, Brinton RD & Thompson PM 2016 White blood cell counts and regional brain volumes in Alzheimers disease, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
73. Rinker D, Jahanshad N, Hibar DP, The ADNI & Thompson PM 2016, Catechol-O-Methyltransferase (COMT) variant is associated with performance on neuropsychological test of executive processing speed in 379 participants, Cognitive Neuroscience Society, New York, New York, April 2-5.
74. Rinker DA, Daianu M, Ver Steeg G, Galstyan A & Thompson PM 2016 Information-theoretic discovery and clustering of ASL, structural & cognitive markers of brain aging, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
75. Rinker DA, Hibar DP, Cheung J, Jahanshad N, ENIGMA2 & Thompson PM 2016 Genetic pleiotropy between regional brain volumes and cardiovascular disease risk variants, 3rd International Conference on Heart & Brain, Paris, France.
76. Roussotte FF, Hua X, Narr KL & Thompson PM 2016 The C677T variant in MTHFR mediates associations between blood and CSF neurodegeneration biomarkers, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
77. Sämann P, Höhn D, Elbau I, Czisch M, Jahanshad N, Whelan CD, Hibar D, Veltman D, Schmaal L & Thompson PM 2016 ENIGMA-MDD hippocampal subfield analysis of first episode and recurrent Major Depressive Disorder, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
78. Saremi A, Jahanshad N, Prasitsuebsai W, Nir TM, Clifford K, Aurpibul L, Pruksakaew K, Lerdlum S, Visrutaratna P, Kerr SJ, Puthanakit T, Paul R, Ananworanich J, Thompson PM & Valcour VG on behalf of the SEARCH 012 and the PREDICT Study Groups 2016 Longitudinal Effects of Combination Antiretroviral Therapy on White Matter Microstructure during Childhood Brain Development, SFN, San Diego, CA, USA, Nov 2-6.

79. Satizabal C, Adams HH, Hibar DP, Ikram A, Thompson PM, Seshadri S, CHARGE consortium & ENIGMA consortium 2016 Genetic Determinants of MRI subcortical brain volumes: 24 novel loci identified through GWAS in 26,000 persons, Alzheimer's Association International Conference (AAIC), Toronto, Canada, July 24-28.
80. Schmaal L, Hibar DP, Thompson PM, Veltman DJ, on behalf of the ENIGMA Major Depressive Disorder Working Group 2016 Cortical Brain Alterations in Major Depressive Disorder in Adolescence and Adulthood: findings from the ENIGMA Major Depressive Disorder Working Group, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
81. Schonfeld D et al. 2016 Meta-Analysis of Large HIV Cohort Reveals CD4 Effects on Longitudinal Brain Atrophy, Conference on Retroviruses and Opportunistic Infections (CROI), Boston, MA, February 22-25.
82. Scott JA, Braskie MN, Tosun D, Thompson PM, Weiner MW, DeCarli C & Carmichael OT 2016 MRI and CSF Biomarker Predictors of Executive Function and Memory in the Elderly, Alzheimer's Association International Conference (AAIC), Toronto, Canada, July 24-28.
83. Scott JA, Tosun D, Braskie MN, Maillard P, Thompson PM, Weiner MW, DeCarli C & Carmichael OT 2016 Cerebral Amyloid is Associated with Greater White Matter Hyperintensity Accrual over 2 years in the Elderly, Alzheimer's Association International Conference (AAIC), Toronto, Canada, July 24-28.
84. Shiroishi MS, Faskowitz J, DAmore F, Emami A, Cen S, Lerner A, Toga AW, Jacobs RE, Zlokovic B, Law M, Thompson PM & Jahanshad N 2016 Structural Brain Effects of Cancer Derived From Clinically-Indicated Contrast-Enhanced MRI Scans, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
85. Smit D, Malone S, Burwell S, De Geus E, Hibar D, Thompson PM, Boomsma D, Martin N, Medland S, Porjesz B & Iacono W 2016 ENIGMA-EEG: GWAS of brain function, Behavior Genetics Association, Brisbane, Australia, June 20-23.
86. Stein J, Shatokhina N, Hibar DP, Jahanshad N & Thompson PM 2016 ENIGMA-Vis: Updated interactive visualization of genetic influences on brain structure, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
87. Strike L, Hansell N, Couvy-Duchesne B, Thompson PM, Martin N, De Zubicaray G, McMahon K & Wright M 2016 Genetic contributions to brain structure, Behavior Genetics Association, Brisbane, Australia, June 20-23.
88. Strike LT, Hansell NK, Couvy-Duchesne B, Thompson PM, Martin NG, de Zubicaray G, McMahon KL & Wright MJ 2016 Genetic influences on the cerebral cortex, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
89. Sønderby IE, Doan NT, Gustafsson O, Hibar D, Agartz I, Djurovic S, Fladby T, Jönsson E, Sando SB, Westlye LT, Thompson PM, Andreassen OA &ENIGMA-CNV working group 2016 Coupling subcortical brain volumes with CNVs: A preliminary mega-analysis in ENIGMA-CNV, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
90. Thompson PM 2016 Enigma-Nd: The Enigma Neuroimaging Genetics Project For Neuropsychiatric Disease and Aussie, Royal Australia and New Zealand Congress on Psychaitry, Hong Kong, Hong Kong, May 8-12. 50:10-10.
91. van Erp TGM, Hibar DP, Walton E, Schmaal L, Jiang W, Agartz I, Alpert KI, Andreassen OA, Beard L, Bertolino A, Bockholt HJ, Aurora B, Borgwardt S, Cairns MJ, Calhoun VD, MCannon D, Carr VJ, Catts S, Chiapponi C, Cooper G, Corvin A, Crespo-Facorro B, Cropley V, Dale AM, Haan Lde, de Rossi P, Zwarte Sde, Di Giorgio A, Dickie E, Doan NT, Donohoe G, Ehrlich S, Fatouros-Bergman H, Flyckt L, Fukunaga M, Fullerton JM, Glahn DC, Green MJ, Gur RE, Gur RC, Gurholt TP, Gutman B, Hartberg CB, Hashimoto R, Haukvik UK, Henskens F, Hong E, Hoschl C, Howells F, Hulshoff Pol HE, Jablensky A, Jahanshad N, Janssen J, Jönsson EG, Kahn RS, Kelly S, King MD, Knöchel C, Kochunov P, Koenders L, Koops S, Kwon JS, Lawrie SM, Lenroot RK, Loughland C, Macciardi F, Mathalon DH, McDonald C, McIntosh AM, McKenna PJ, Michie P, Morris DW, Mowry B, Mueller BA, Neilson E, Oertel-Knöchel V, Okada N, Ophoff RA, Pantelis C, Pearlson GD, Piras F, Pomarol-Clotet E, Potkin SG, Preda A, Quidé Y, Raballo A, Radua J, Rasser PE, Richter A, Roiz-Santiañez R, Rotenberg D, Salvador R, Satterthwaite TD, Schall U, Schofield PR, Scott RJ, Seal M, Shen L, Shoemaker JM, Skoch A, Sommer IEC, Spalletta G, Spaniel F, Sponheim SR, Stein D, Stäblein M, Tomecek D, Tooney P, Uhlmann A, Amelsvoort Tvan, van Haren NEM, Veltman DJ, Voineskos A, Wang L, Weickert CS, Weickert TW, Westlye LT, Whalley HC, Whelan CD, Wolf DH, Yamamori H, Yao N, Yun J, Zilles D, Thompson PM & Turner JA 2016 An ENIGMA Schizophrenia Working Group Meta-Analysis of Cortical Thickness/Area in over 6000 Subjects, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
92. van Rooij D, Anagnostou E, Auzias G, Behrmann M, Calderoni S, Daly E, Deruelle C, Dinstein I, Dimartino A, Durston S, Ecker C, Fair D, Fitzgerald J, Freitag C, Gallagher L, Gori I, Haar S, Hoekstra L, Jalbrzikowski M, Lerch J, Luna B, McGrath J, Muratori F, Murphy C, Murphy D, OHearn K, Oranje B, Retico A, Rubia K, Shook D, Taylor M, Tosetti M, Wallace G & Buitelaar J 2016 Subcortical brain volume development over age in ASD: results from the ENIGMA ASD working group., Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
93. Villalon-Reina JE, Galvis J, Jahanshad N, Nir TM, Corbin C, Colvert G, Kushan L, Jonas R, Van Amelsvoort T, Bakker G, Campbell LE, McCabe KL, Vorstman J, Gras L, Simon T, Thompson PM, & Bearden CE 2016 White

Matter differences in 22q11.2 Deletion Syndrome: ENIGMA working group meta-analysis findings, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.

94. Wade BSC, Valcour VG, Prasitsuebsai W, Clifford K, Saremi A, Gutman BA, Jahanshad N, Nir TM, Ananworanich J, Watson C, Puthanakit T, Aurpibul L & Thompson PM 2016 PREDICT Shape abstract, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
95. Wade BSC, Velez C, Drennon AM, Bolzenius J, Thompson PM, Lewis J, Ritter J, York G & Tate DF 2016 Volumetric and Shape Analyses of Brain Structure in Military Service Members with Mild Brain Trauma, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
96. Wang J, Braskie MN, Hafzalla G, Faskowitz J, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, Yu C & Thompson PM 2016 Common OXTR gene variant impacts structure and function of default mode network in healthy humans, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
97. Whelan CD, Adams S, Alhusaini S, Bargalló N, Bartolini E, Bernasconi A, Bernhardt B, Blackmon K, Calvo A, Carr S, Cavalleri GL, Cendes F, Cerasa A, Cherubini A, Concha L, Cook MJ, Cruces R, Depondt C, Desmond P, Devinsky O, Föcke N, Foley S, Gambardella A, Guerrini R, Hamandi K, Hibar DP, Jackson G, Jahanshad N, Kälviäinen R, Keller SS, Kotikalapudi R, Kwan P, Labate A, Ladbon-Bernasconi N, Langner S, Lenge M, Leyden K, Liu M, Loi RQ, Mascalchi M, McDonald C, Meletti S, Mirandola L, Morita M, Naylor J, OBrien T, Pariente JC, Ren Y, Richardson M, Ruggeri A, Rummel C, Saavalainen T, Seeck M, Semmelroch M, Severino MS, Striano P, Thesen T, Thomas R, Tondelli M, Tortora D, Vaudano AE, Velakoulis D, Vivash L, Vulliemoz S, Weber B, Wiest R, Yasuda C, Zhang J, Thompson PM, Sisodiya S & ENIGMA-Epilepsy Working Group. 2016 ENIGMA-Epilepsy: Worldwide brain structural comparisons in 1,738 epilepsy cases and 1,358 controls, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
98. Yao X, Yan J, Ginda M, Borner K, Kim S, Nho K, Risacher SL, Foroud TM, Potkin SG, Thompson PM, Moore JH, Weiner MW, Saykin AJ & Shen L for the Alzheimers Disease Neuroimaging Initiative 2016 The Growth and Impact of ADNI Genetics Publications as Measured by Science Mapping, Alzheimer's Association International Conference (AAIC), Toronto, Canada, July 24-28.
99. Zavaliangos-Petropulu A, Jahanshad N, Nir TM, Jack Jr. CR, Weiner MW, Bernstein MA & Thompson PM 2016 Annual Changes in DTI Metrics Correlate with MMSE Score Decline in the Elderly, Cognitive Neuroscience Society, New York, New York, April 2-5.
100. Zhang J, Stonnington CM, Li Q, Shi J, Bauer III RJ, Gutman BA, Chen K, Reiman EM, Caselli RJ, Thompson PM, Ye J & Wang Y 2016 Patch-based Sparse Coding and Multivariate Surface Morphometry for Alzheimers Disease Prognosis, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.
101. Zwarte S, Brouwer R, Hillegers M, Cahn W, Pol HH, Alpert K, Wang L, Kane F, Picchioni M, Bramon E, McDonald C, Murray R, Hajek T, Alda M, Roberts G, Mitchell P, Schofield P, Fullerton J, Mwangi B, Soares J, Richter A, Gruber O, Bonvino A, Di Giorgio A, Bertolino A, Neilson E, Lawrie S, Caseras X, Fears S, Bearden C, Glahn D, Van Erp T, Jahanshad N, Hibar D, Thompson PM, Turner J, Kahn R & Van Haren N 2016 Brain volumes in family members of schizophrenia or bipolar patients: an enigma meta-analysis, Organization of Human Brain Mapping, Geneva, Switzerland, June 26-30.

2015

1. Abe S, Irimia A & Van Horn JD 2015 Quality control considerations for the effective integration of neuroimaging data Proceedings of the Eleventh International Conference on Data Integration in the Life Sciences. (DILS 2015), University of Southern California, Los Angeles, CA, July 9-10.
2. Ashish N, Dewan P, Ambite JL & Toga AW 2015 GEM: The GAAIN Entity Mapper. 11th International Conference, Data Integration in the Life Sciences, Los Angeles, CA, July 9-10.
3. Baboyan VG, Dennis EL, Jin Y, Zhan L, Babikian T, Giza CC, Asarnow R & Thompson PM 2015 An Analysis of Temporal Lobe Projection Fibers in Traumatic Brain Injury, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31.
4. Bienkowski MS, Song MY, Bowman I, Bay M, Gou L, Zingg B, Hintiryan H, Foster NN, Toga AW & Dong HW 2015 Neural networks of the mouse entorhinal cortex. Society for Neuroscience, Washington, DC, November 15-19.
5. Bowman I, Bay M, Song MY, Bienkowski MS, Toga A & Dong HW 2015 Interactive registration workflows for label quantification of light-based microscopy images. Society for Neuroscience, Washington, DC, November 15-19.
6. Boyle CP, Chen JA, Parikshak NN, Stein JL, Horvath S, Miller BL, Geschwind DH, Coppola G & Thompson PM 2015 Patterns of Atrophy in Alzheimer's Disease, Frontotemporal Dementia, and Progressive Supranuclear Palsy. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
7. Boyle CP, Raji CA, Erickson KI, Lopez OL, Becker JT, Gach HM, Longstreth WT, Popov M, Kuller L, Carmichael OT & Thompson PM 2015 Use of Conjugated Estrogen, Premarin, May Preserve Brain Structure, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31
8. Boyle CP, Raji CA, Erickson KI, Lopez OL, Becker JT, Gach HM, Longstreth WT, Popov M, Kuller L, Carmichael OT & Thompson PM 2015 Use of Estrogen May Preserve Brain Structure Despite Progression of Dementia. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.

9. Braskie MN, Dennis EL, Montgomery GW, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ & Thompson PM 2015 Alzheimer's disease risk gene TREM2 and lower synchronicity of fMRI signal in young adults. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
10. Brouwer RM, Glahn DC, Hibar DP, Hua X, Jahanshad N, Franz CE, Hansell NK, Koenis MMG, Mather K, Panizzon MS, Strike LT, Swagerman S, Thalamuthu A, Wen W, Boomsma DI, Gilmore JH, Gogtay N, RS Kahn, Kremen WS, Sachdev PS, Wright MJ, Thompson PM & Hulshoff Pol HE 2015 Genetic influences on longitudinal changes in subcortical volumes: results of the ENIGMA Plasticity Working Group. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
11. Brouwer RM, Glahn DC, Hibar DP, Hua X, Jahanshad N, Franz CE, Mather K, Wen W, Boomsma DI, Gilmore JH, Gogtay N, Kahn RS, Kremen WS, Sachdev PS, Wright MJ, Thompson PM & Hulshoff HEP 2015 Genetic influences on brain plasticity: first results of the ENIGMA Plasticity Working Group, SOBP 2015, Toronto, Canada, May 14-16.
12. Chen X, Jahanshad N, Thompson P, Essen DV, Kochunov P & Nichols T 2015 Accelerated Bivariate Heritability Inference Using ERV. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
13. Ching CRK, Gutman BA, Hibar DP, Jahanshad N, Mwangi B, Soares JC & Thompson PM 2015 Shape modeling reveals subcortical differences in large cohort of bipolar subtypes. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
14. Ching CRK, Gutman BA, Hibar DP, Jahanshad N, Mwangi B, Soares JC & Thompson PM 2015 Subcortical shape differences in bipolar disorder subtypes, SOBP 2015, Toronto, Canada, May 14-16.
15. Ching CRK, Gutman BA, Nir TM, Hua X, Jahanshad N, Harezlak J, Tate DF, Schifitto G, Gongvatana A, Zhong J, Zhu T, Taylor MJ, Campbell TB, Daar ES, Alger JR, Singer E, Cohen RA, Navia B & Thompson PM 2015 High-resolution shape analysis reveals subcortical morphometry and lymphocyte relationships in HIV+. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
16. Ching CRK, Hibar DP, Jahanshad N, Hua X, McMahon KL, de Zubicaray GI, Wright MJ & Thompson PM for the Alzheimer's Disease Neuroimaging Initiative 2015 Oxidative stress regulating genetic variant linked to protective effect on elderly brain volumes. Organization for Human Brain Mapping, Honolulu, Hawaii, June 14-18.
17. Ching CRK, Hibar DP, Mwangi B, Soares JC & Thompson PM 2015 Bipolar disorder: Analysis of subcortical structures involved in emotional and reward processing and the effects of widely prescribed medications, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31.
18. Clark KA, Sepehrband F, Barnes S, Jacobs R, Talishinsky A, Mehta S, Williams C & Miller C 2015 Combining ex vivo diffusion imaging with CLARITY in human hippocampus, Organization for Human Brain Mapping, Honolulu, Hawaii, June 14-18.
19. Clark KA, Sepehrband F, Barnes S, Jacobs R, Talishinsky A, Mehta S, Williams C & Miller C 2015 Neuroimaging bridge to CLARITY, International Society for Magnetic Resonance in Medicine Annual Meeting, Toronto, Canada, May 30-June 5.
20. Daianu M, Hibar DP, Jahanshad N, Nir TM, Jack CR Jr, Weiner MW, Bernstein MA, Thompson PM & the Alzheimer's Disease Neuroimaging Initiative 2015 Spectral Graph Theory Shows Brain Network Disconnection in APOE-4 Risk Gene Carriers, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31.
21. Daianu M, Jacobs RE , Zlokovic BV, Montagne A & Thompson PM 2015 Reconstruction of Major Fibers Using 7T Multi-Shell Hybrid Diffucsion Imaging in Mice, SIPAIM 2015, Nov. 2015.
22. Daianu M, Jacobs RE, Zlokovic BV, Montagne A & Thompson PM 2015 SNR and Angular Error for 7T Multi-shell Hybrid Diffusion Imaging (HYDI) in the Mouse Connectome. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
23. Daianu M, Jahanshad N, Mezher A, Nir TM, Jack CR Jr, Weiner MW, Bernstein MA & Thompson PM 2015 Reduced global connectivity, but a relatively preserved rich club network in Alzheimer's disease. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
24. Daianu M, Jahanshad N, Villalon-Reina JE, Prasad G, Jacobs RE, Zlokovic B, Montagne A & Thompson PM 2015 7T Multi-shell Hybrid Diffusion Imaging (HYDI) for Mapping Brain Connectivity in Mice, SPIE Medical Imaging, Orlando, Florida, February 21-25.
25. Dennis EL, Baboyan V, Hua X, Jack CR Jr, Weiner MW & Thompson PM for the DoD-ADNI Initiative 2015 Volumetric Brain Abnormalities in Vietnam Veterans with PTSD. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
26. Dennis EL, Jin Y, Villalon-Reina JE, Kernan C, Babikian T, Mink R, Babbitt C, Johnson J, Giza CC, Asarnow R & Thompson PM 2015 Tract-based Analysis of White Matter Alterations in Pediatric TBI: Mapping Individual Abnormalities. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
27. Dennis EL, Prasad G, Daianu M, Zhan L, Kernan CL, Babikian T, Mink R, Babbitt C, Johnson J, Giza CC, Asarnow RF & Thompson PM 2015 Fiber Tracking in Traumatic Brain Injury: Comparison of 9 Tractography Algorithms. MICCAI: BrainLes 2015, Munich, Germany, Oct 5.

28. Dennis EL, Prasad G, Jack CR Jr, Weiner MW & Thompson PM for the DoD-ADNI Initiative 2015 Dimension Reduction using EPIC Reveals Abnormal Brain Structural Connectivity in PTSD. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
29. Dennis EL, Prasad G, Kernan C, Babikian T, Mink R, Babbitt C, Johnson J, Giza CC, Asarnow RF & Thompson PM 2015 Adaptive Algorithms to Map how Brain Trauma Affects Anatomical Connectivity in Children, SIPAIM 2015, Cuenca, Ecuador, Nov. 17-19.
30. De Reus M, van den Heuvel M, Reeß TJ, Koch K, Thompson PM & Jahanshad N 2015 Towards an ENIGMA connectome atlas: comparing connection prevalence across sites. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
31. Dewan P 2015 The GAAIN Entity Mapper: Towards Practical Medical Informatics Applications. Proceedings of the 11thInternational Data Integration in Life Sciences Conference. Lecture Notes in Bioinformatics, S. Vol 9162, Springer International Publishing.
32. Dima D, Papachristou E, Turner J, Glahn DC, Hibar DP, van Erp TGM, Medland SE, Thompson PM, Frangou S & ENIGMA Lifespan Working Group 2015 Subcortical brain volumes across the lifespan based on 10,722 people aged 2 to 92. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
33. Faskowitz J, Ching C, Soares JC, Thompson PM & Jahanshad N 2015 Brain White Matter Integrity in Bipolar Disorder Subtypes assessed with Diffusion Tensor Imaging, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31.
34. Faskowitz J, Jahanshad N, Hansell NK, de Zubicaray GI, McMahon KL, Martin NG, Wright MJ & Thompson PM 2015 CD56+ Natural Killer Cell Counts Associate with Reductions in White Matter Fractional Anisotropy. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
35. Fouche JP, Jahanshad N, Joska J, Paul R, Hoare J, Valcour VG, Woods AJ, Porges E, Thompson PM, Navia B, Stein D & Cohen RA 2015 A meta-analysis by the ENIGMA-HIV working group: CD4 counts predict subcortical volume loss in HIV-positive individuals. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
36. González-Zacarías C, Krafnick AJ, Toga AW & Clark KA 2015 Comparison of mathematical models of heritability of cortical thickness, Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
37. Guadalupe T, Baboyan VG, Crivello F, Franke B, Grabe H, Hibar DP, Jahanshad N, Medland SE, Renteria M, Sisodiya S, Tzourio-Mazoyer N, Whelan C, Wittfeld K, Zwiers MP, Thompson PM, Mazoyer M, Fisher S & Francks C 2015 Sex and handedness effects on human subcortical and hippocampal asymmetries meta-analyzed in 5101 individuals aged 14 to 90: ENIGMA-Lateralization, Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
38. Gutman BA, Ching CRK, Kelly S, Alpert K, Corvin A, van Erp T, Turner J, Thompson P & Wang L 2015 Meta-Analysis of Subcortical Shape Reveals Differences Between Schizophrenia Patients and Controls. Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
39. Gutman BA, Looi J, Ching CRK & Thompson PM 2015 Subcortical Shape Differences across Neurodegenerative Diseases Organization for Human Brain Mapping annual meeting, Honolulu, Hawaii, June 14-18.
40. Hibar DP, Ching CRK, Mwangi B, Soares JC & Thompson PM 2015 Cortical Thinning in Bipolar Disorder Subtypes, CNS (Cognitive Neuroscience Society), San Francisco, CA, USA, March 28-31.
41. Hibar DP, Pankratz N, Foroud T, Thompson PM & the ENIGMA Consortium 2015 Boosting power to detect Parkinson's disease genetic risk variants by conditioning on genetic determinants of brain structure, International Conference on Alzheimer's Disease and Parkinson's disease (AD/PD 2015), Nice, France.
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2013

1. Braskie MN, Kohannim O, Jahanshad N, Toga AW, Montgomery GW, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ & Thompson PM 2013 Mitochondrial genetic variants and white matter integrity in young adults. Society for Neuroscience, San Diego, California, November 9-13.
2. Daianu M, Dennis E, Jahanshad N, Nir TM, Toga AW, Jack CR Jr, Weiner MW, Thompson PM & Alzheimer's Disease Neuroimaging Initiative 2013 Sex differences in brain connectivity in normal aging and Alzheimer's disease. Society for Neuroscience, San Diego, California, November 9-13.
3. Dennis EL, Braskie MN, Warstadt NM, Jahanshad N, Kohannim O, Nir T, McMahon KL, de Zubicaray GI, Montgomery G, Martin NG, Toga AW, Wright MJ & Thompson PM 2013 Obesity gene NEGR1 associates with white matter integrity differently in young and old adults. Society for Neuroscience, San Diego, California, November 9-13.
4. Jahanshad N, Hibar DP, Toga AW, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ & Thompson PM 2013 Common genetic influences on fiber integrity and regional brain volumes discovered by genetic correlation of MRI and DTI. Society for Neuroscience, San Diego, California, November 9-13.
5. Jahanshad N, Kochunov P, Nichols TE, Sprooten E, Mandl RC, Almasy L, Brouwer RM, Curran JE, de Zubicaray GI, Dimitrova R, Fox PT, Hong LH, Landman BA, Lemaitre H, Martin NG, McMahon KL, Mitchell BD, Olvera RL, Peterson CP, Sussmann JE, Toga AW, Wardlaw, Wright MJ, Wright SN, Bastin ME, McIntosh AM, Kahn RS, Deary IJ, Hulshoff Pol HE, Williamson D, Blangero J, van 't Ent D, Glahn DC & Thompson PM 2013 Joint modeling of multi-site white matter heritability estimates through meta and mega analyses. Imaging Genetics Conference (IIGC) Conference, Irvine, CA, January 20-21.
6. Jin Y, Shi Y, Zhan L, Toga AW, de Zubicaray GI, McMahon KL, Martin NG, Wright MJ & Thompson PM 2013 Mapping genetic influences on white matter fiber tracts reveals 3D profile of heritability. Society for Neuroscience, San Diego, California, November 9-13.
7. Leonardo CD, Nir TM, Jahanshad N, Gongvatana A, Navia B, Cohen R & Thompson PM 2013 Brain network connectivity disruptions in HIV/AIDS. Society for Neuroscience, San Diego, California, November 9-13.

8. Madsen SK, Rajagopalan P, Joshi SH, Toga AW & Thompson PM 2013 Elevated homocysteine is associated with thinner cortical gray matter in 803 elderly subjects. Society for Neuroscience, San Diego, California, November 9-13.
9. Nir TM, Villalon-Reina JE, Zhan L, Prasad G, Joshi SH, Jahanshad N, Toga AW, Leow AD & Thompson PM 2013 Tensor distribution function measures along tractography-based maximum density paths increase Alzheimer's disease classification accuracy. Society for Neuroscience, San Diego, California, November 9-13.
10. Prasad G, Aganj I & Thompson PM 2013 Synthesizing connectivity networks to im- prove classification of Alzheimer's disease. Society for Neuroscience, San Diego, California, November 9-13.
11. Rajagopalan P, Toga AW, Jack CR Jr, Weiner MW & Thompson PM 2013 Plasma adipokines correlate with brain volumes in the elderly: An Alzheimer's Disease Neuroimaging Initiative (ADNI) study. Society for Neuroscience, San Diego, California, November 9-13.
12. Reynolds GK, Nir TM, Toga AW, Jack CR Jr, Weiner MW, Thompson PM & Alzheimer's Disease Neuroimaging Initiative 2013 How does Alzheimer's disease disrupt local white matter microstructure in the brain? Society for Neuroscience, San Diego, California, November 9-13.
13. Roussotte FF, Toga AW, Jack CR Jr, Weiner MW, Thompson PM & Alzheimer's Disease Neuroimaging Initiative (ADNI) 2013 A single-nucleotide polymorphism (SNP) in the dopamine transporter gene, DAT1, is associated with increased risk for Alzheimer's disease and cognitive impairment in the elderly. Society for Neuroscience, San Diego, California, November 9-13.
14. Sokolow S, Hwang KS, Teng E, Thompson PM, Jack Jr CR, Shaw LM, Trojanowski JQ, Soares HD, Weiner MW, & Apostolova LG 2013 Plasma biomarkers associated with the apolipoprotein E (APOE) genotype and Amyloid-beta imaging. Clinical Trials on Alzheimer's Disease (CTAD) 2013, San Diego, California, November 14-16.
15. Theriot J, Toga AW, Prakash N, Ju S & Brennan K 2013 urovascular coupling of two receptive fields in rat somatosensory cortex. Society for Neuroscience, San Diego, California, November 9-13.
16. Thompson PM for the ENIGMA Consortium 2013 The ENIGMA Consortium: Meta-Analyzing Neuroimaging and Genetic Data from 125 Institutions. American College of Neuropsychopharmacology (ACNP) 2013, Hollywood, FL, December 8-12.
17. Warstadt NM, Dennis EL, Jahanshad N, Nir TM, Hibar DP, Toga AW, McMahon KL, de Zubicaray GI, Montgomery G, Martin NG, Wright MJ & Thompson PM 2013 Cholesterol-associated gene CETP associations with white matter integrity in young and older cohorts. Society for Neuroscience, San Diego, California, November 9-13.
18. Zhan L, Wang Y, Nir TM, Jahanshad N, Jin Y, Toga AW, Thompson PM & Alzheimer's Disease Neuroimaging Initiative (ADNI) 2013 Highways and traffic: modeling anatomical network breakdown in Alzheimer's disease. Society for Neuroscience, San Diego, California, November 9-13.

2011

1. Apostolova LG, Hwang K, Kohannim O, Coppola G, Gao F, Cummings JL & Thompson PM 2011 Automated diagnostic classifiers using imaging, genotyping, and gene expression data, International Conference on Alzheimer's Disease (ICAD) 2011, Paris, France, July 16-21.
2. Babakchanian S, Hwang KS, Coppola G, Johnson S, Thompson PM, Lee JJ, Cummings JL & Apostolova LG 2011 TOMM40 rs2075650 and TOMM40 PolyT polymorphism effects on ventricular enlargement in individuals with and without mild cognitive impairment, International Conference on Alzheimer's Disease (ICAD), Paris, France, July 16-21.
3. Babakchanian S, Hwang KS, Woo E, Green AE, LaRocca M, Zoumalan C, Kanani R, Han HJ, Wang B, Thompson PM & Apostolova LG 2011 Verbal memory associations with cortical thickness. International Conference on Alzheimer's Disease (ICAD), Paris, France, July 16-21.
4. Babakchanian S, Hwang KS, Woo E, Wright M, Green AE, LaRocca M, Zoumalan C, Wang B, Thompson PM & Apostolova LG 2011 The effects of free recall and semantic clustering on cortical thickness, International Conference on Alzheimer's Disease (ICAD), Paris, France, July 16-21.
5. Blokland G, Hageman N, Stein J, Jahanshad N, Toga AW, McMahon K, de Zibicaray G, Wright M, Martin N & Thompson PM 2011 Heritability of white matter tract density within the working memory network, 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
6. Boyle C, Hua X, Stidd R, Giedd JN, Rapoport JL, Toga AW, Thompson PM & Gogtay N 2011 Intellectual ability is correlated with regional brain volumes in normally developing children, 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
7. Braskie MN, Jahanshad N, Stein JL, Barysheva M, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, Ringman JM, Toga AW & Thompson PM 2011 Schizophrenia risk variant in *NTRK1* relates to lower white matter integrity in young healthy adults, 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
8. Chiang MC, Barysheva M, McMahon KL, de Zubicaray GI, Johnson K, Martin NG, Toga AW, Wright MJ & Thompson PM 2011 Discovering the network topology of gene action on brain microstructure: An N=531 twin study, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.

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10. Hageman N, Wisco J & Toga AW 2011 A comparison of pre-versus post-perfusion DTI tractography in cadaveric brain tissue, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
11. Hibar D, Stein JL, Kohannim O, Jahanshad N, Saykin AJ, Shen L, Kim S, Pankratz N, Foroud T, Huentelman MJ, Potkin SG, Jack Jr CR, Weiner MW, Toga AW, Thompson PM & the Alzheimer's Disease Neuroimaging Initiative 2011 Voxelwise gene-wide association study (vGeneWAS): multivariate gene-based association testing in 731 elderly subjects. 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
12. Hua X, Lee S, Boyle C, Rajagopalan P, Toga AW, Harezlak J, Yiannoutsos C, Tate D, Navia B, Thompson PM & the HIV Neuroimaging Consortium 2011 Brain White Matter Atrophy Correlates with Nadir CD4+ Counts and N-acetylaspartate (NAA) in HIV/AIDS: A Tensor-Based Morphometry Study of 210 Patients. Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
13. Irimia A, Van Horn JD, Chambers M, Pastrawa MW, Gouttard S, Vespa PM, Hovda DA, Alger JA, Pujol SMA, Gerig G, Aylward SR, Toga AW & Kikinis R 2011 Automatic multimodal MR image segmentation for the clinical assessment of traumatic brain injury in 3D Slicer, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
14. Jahanshad N, Johnson K, McMahon KL, de Zubicaray GI, Medland SE, Montgomery GW, Martin NG, Wright MJ, Toga AW & Thompson PM 2011 Genetic associations of brain structure to serum transferrin: an MRI and DTI analysis (N=615), Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
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19. Joshi S, Nuechterlein K, Woods R, Philips O, Asarnow R, Toga AW & Narr K 2011 Local cortical gyrification changes in schizophrenia and effects of genetic liability, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
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23. Lederman C, Joshi A, Dinov I, Chan K, Vese L, Toga AW & Van Horn J 2011 A unitifed variational approach to structural brain registration, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
24. Lee G, Lu P-H, Hua X, Lee S, Leow A, Wu S, Nguyen K, Teng E, Bartzokis G, Toga AW, Jack C, Weiner M & Thompson PM 2011 Depression predicts progressive brain atrophy in mild cognitive impairment, International Conference on Alzheimer's Disease (ICAD), Paris, France, July 16-21.
25. Luders E, Clark K, Narr K & Toga AW 2011 A DTI-based study in long-term meditators, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
26. Lu P-H, Lee G, Hua X, Leow A, Melchor S, Toga AW, Jack C, Weiner M & Thompson PM 2011 Age-associated memory impairment is associated with greater rate of longitudinal brain atrophy, Alzheimer's Association International Conference, Paris, France, July 16-21.
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29. Pievani M, Bocchetta M, Boccardi M, Galluzzi S, Bonetti M, Thompson P & Frisoni G & 2011 Nucleus accumbens atrophy in early- and late-onset Alzheimer's disease, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
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32. Sun D, van Erp T, Chak K, Kushan L, Lau W, Jacobson S, Bearden CE, Toga AW, Thompson PM, Cannon TD & and the NAPLS Consortium 2011 Altered structural brain developmental trajectory in youth at clinical risk for psychosis, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
33. Villalon J, Jahanshad N, Toga AW, Thompson PM & Simon TJ 2011 DTI maps of white matter abnormalities in 22q11.2 deletion syndrome, Fragile X and Turner syndrome, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
34. Wang Y, Song Y, Rajagopalan P, An T, Liu K, Chou YY, Gutman B, Toga AW, Thompson PM & the Alzheimer's Disease Neuroimaging Initiative 2011 Surface-based TBM Boosts Power to Detect Disease Effects on the Brain: An N=804 ADNI Study, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
35. Zhan L, GadElkarim JJ, Leow AD, Aganj I, Lenglet C, Sapiro G, Harel N, Toga AW & Thompson PM 2011 Probabilistic tractography using the tensor distribution function in multiple-shell HARDI, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.
36. Zhan L, Jahanshad N, Leow AD, Toga AW, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ & Thompson PM 2011 Verbal IQ correlates more strongly with white matter integrity in HARDI after multi-fiber demixing, Annual Meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 26-30.

2010

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2. Annapaola P, Rasser PE, Drago V, Bonetti M, Thompson PM & Frisoni GB 2010 In vivo neuropathology of cortical changes in incipient Alzheimer's disease, International Conference on Alzheimer's Disease (ICAD 2010), Honolulu, Hawaii, July 10-15.
3. Apoostolova L, Hwang K, Babakchanian S, Green A, Sun D, Zoumalan C, Kanani R, Han HJ, Wang B, Cummings J, Toga AW & Thompson PM 2010 Statistical map-based classification of MCI and Alzheimer's disease using machine learning, 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10.
4. Apostolova L, Tseng C, Fairbanks L, Elashoff D & Cummings J 2010 Effect of age, gender, marital status and education on behavioral symptoms in MCI and mild AD subjects, Neurology, 74:A21.
5. Apostolova LG, Hwang KS, Babakchanian S, Thompson PM, Cummings JL, Mulugeta E, Larsen JP, Bronnick K, Aarsland D, Alves G, Beyer MK 2010 Hippocampal atrophy and lateral ventricle enlargement in Parkinson's disease subjects with mild cognitive impairment, International Conference on Alzheimer's Disease (ICAD 2010), Honolulu, Hawaii, July 10-15.
6. Apostolova LG, Hwang KS, Lee JJ, Gao F, Thompson PM, Ringman JM, Cummings JL, Coppola G 2010 Gene expression correlates of hippocampal atrophy in cognitively normal elderly and MCI, International Conference on Alzheimer's Disease (ICAD 2010), Honolulu, Hawaii, July 10-15.
7. Apostolova LG, Hwang KS, Medina LD, Green AE, Dutton RA, Lai J, Geschwind D, Cummings JL, Thompson PM & Ringman JM 2010 Mapping cortical thickness in autosomal dominant AD carriers, 62nd American Academy of Neurology Meeting, Toronto, Canada, April 10-17.
8. Beyer MK, Hwang KS, Babakchanian S, Thompson PM, Cummings JL, Mulugeta E, Larsen JP, Bronnick K, Aarsland D, Alves G, Apostolova LG 2010 CSF Abeta and tau, hippocampal atrophy and lateral ventricle enlargement in Parkinson's disease with and without mild cognitive impairment, International Conference on Alzheimer's Disease (ICAD), Honolulu, Hawaii, July 10-15.
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10. Boccardi M, Cavedo E, Prestia A, Northoff G, Adorni A, Geroldi C, Bonetti M, Thompson PM, Frisoni GB 2010 Hippocampal and amygdalar local structural differences in elderly patients with schizophrenia, Organization for Human Brain Mapping, Barcelona, Spain, June 6-10.
11. Boccardi M, Cavedo E, Thompson PM & Frisoni G 2009 Mapping amygdalar structural differences in Alzheimer's patients with 3T MRI. American Academy of Neurology (AAN), New Orleans, LA, April 21-28, 2010.
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13. Braskie MN, Jahanshad N, Stein JL, Barysheva M, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, Ringman JM, Toga AW & Thompson PM 2010 Common Alzheimer's disease risk variant within the CLU gene affects white matter microstructure in young adults, 40th Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA, November 13-17.
14. Brun CC, Leporé N, Pennec X, Chou YY, Lee AD & Thompson PM 2010 SAFIRA: A Statistically Assisted Fluid Image Registration Algorithm, Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10.
15. Burgaleta M, Stein JL, Privado J, Barysheva M, Lee AD, Martínez K, Colom R, Linera JA & Thompson PM 2010 Domain-specific role of the dorsal cingulum bundle in conflict monitoring, Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10.
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24. Potkin SG, Turner JA, Glover G, Brown GG, Keator DB, Mueller B, Greve D, Voyvodic J, Wible C, Liu T, McCarthy G, Ford J, Belger A, Lim K, Lauriello J, Toga AW, Kikinis R, Rosen B & O'Leary D 2008 Multi-site neuroimaging studies: imaging calibration and datasharing, 38th Annual Meeting of the Society for Neuroscience (SfN), Washington, DC, November 15-19.
25. Raji CA*, Ho AJ*, Parikshak N, Becker JT, Lopez OL, Kuller LH, Hua X, Leow AD, Toga AW & Thompson PM 2008 Mapping effects of body mass index, insulinemia, and diabetes mellitus on brain structure in cognitively normal elders. 61st Annual Meeting of the American Academy of Neurology, Seattle, Washington, April 25-May 2.
26. Rasser PE, Todd J, Thompson PM, Michie PT, Ward PB, Johnston P, Helmbold K, Case V, Tooney PA & Schall U 2008 Linking Cerebral Gray Matter and Mismatch Negativity (MMN) in Schizophrenia, 14th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Melbourne, Australia, June 15-19.
27. Van Erp TG, Thompson PM, Kieseppa T, Bearden CE, Marino A, Hoftman G, Haukka J, Partonen T, Huttunen M, Kaprio J, Lonnqvist J, Poutanen VP, Toga AW & Cannon TD 2008 Hippocampal morphology in twins discordant for bipolar I disorder, 38th Annual Meeting of the Society for Neuroscience (SfN), Washington, DC, November 15-19.
28. Wang YL, Gu X, Chan TF & Thompson PM 2008 Brain Surface Conformal Slit Mapping, 14th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Melbourne, Australia, June 15-19.
29. Wright SN, Mut F, Kochunov P, Mazziotta JC, Toga AW, Ascoli GA & Cebral JR 2008 Subject-specific models of blood flows in cerebral arterial trees from high resolution magnetic resonance image, 38th Annual Meeting of the Society for Neuroscience (SfN), Washington, DC, November 15-19.
30. Zhan L, Chiang MC, Barysheva M, Toga AW, McMahon KL, de Zubicaray GI, Meredith M, Wright MJ & Thompson PM 2008 How Many Gradients are Sufficient in High-Angular Resolution Diffusion Imaging (HARDI)?, 14th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Melbourne, Australia, June 15-19.

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2. Apostolova LG, Mosconi L, Green A, Thompson PM & DeLeon M 2007 Preclinical progression of hippocampal atrophy in cognitively normal subjects who convert to MCI and AD, Annual Meeting of the American Neurological Association, Marriott Wardman Park, Washington, DC, October 7-10.
3. Apostolova LG, Rogers SA, Dinov ID, Zoumalan C, Steiner CA, Siu E, Toga AW, Cummings JL, Thompson PM, Phelps ME, Silverman DH & Small GW 2007 ApoE4 Gene Influences longitudinal 3D hippocampal FDG-PET changes in nondemented elderly, The American Academy of Neurology, , Boston, MA, April 28- May 5 2007.
4. Apostolova LG, Thompson PM, Green AH, Jack CR, Harvey D, Petersen RM, Thal L, Cummings JL, DeCarli C for the ADCS Group 2007 3D comparison of low-to-intermediate vs. advanced hippocampal atrophy in MCI, 132nd Annual meeting of the American Neurological Association, Washington DC, October 07 - 10.
5. Apostolova LG, Thompson PM, Green AH, Jack CR, Harvey D, Petersen RM, Thal L, Cummings JL & DeCarli C for the ADCS Group 2007 3D analysis of hippocampal atrophy progression in MCI subjects, 132nd Annual meeting of the American Neurological Association, Washington DC, October 07 - 10.

6. Bearden CE, van Erp TGM, Lee AD, Dutton RA, Simon TJ, Glahn DG, Cannon TD, Emanuel BS, Toga AW & Thompson PM 2007 Alterations in midline cortical thickness and complexity mapped in children with 22q11.2 deletions, Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Boca Raton, Florida, December 9-13.
7. Carmichael O, Thompson PM, Dutton RA, Lu A, Lee S, Lee J, Kuller L, Lopez O, Aizenstein H, Meltzer C, Liu Y, Toga AW & Becker JT 2007 Spatial mapping of ventricular changes related to dementia and mild cognitive impairment in a large community-based cohort, Meeting of the American Academy of Neurology; NEUROLOGY, Boston, Massachusetts, April 28 - May 05, 68 (12): A328-A328 Suppl. 1.
8. Chiang MC, Reiss AL, Lee AD, Bellugi U, Galaburda AM, Korenberg JR, Mills DL, Toga AW & Thompson PM 2007 3D pattern of brain abnormalities in William's Syndrome visualized using tensor-based morphometry, 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14.
9. Chou Y, Lepore N, Zubicaray GI, Rose SE, Carmichael OT, Becker JT, Toga AW & Thompson PM 2007 Automated ventricular mapping via multiple surface-based atlases, 13th Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL, June 10-14.
10. Chou Y, Lepore N, Zubicaray GI, Rose SE, Carmichael OT, Becker JT, Toga AW & Thompson PM 2007 Ventricular shape differences mapped automatically in those at genetic risk for Alzheimer's Disease, 13th Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL, June 10-14.
11. Foland LC, Altshuler LL, Leow AD, Sugar CA, Toga AW & Thompson PM 2007 Lithium and mood state effects on brain structure in subjects with bipolar disorder, 37th Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA, Nov. 3-7.
12. Lee AD, Lepore N, Lepore F, Alary F, Voss P, Brun C, Chou Y-Y, Barysheva M, Toga AW & Thompson PM 2007 Brain differences visualized in the blind using tensor manifold statistics and diffusion tensor imaging. Frontiers in the Convergence of Bioscience and Information Technologies 2007, Jeju Island, South Korea, October 11-13.
13. Lepore N, Shi Y, Lepore F, Voss P, Fortin M, Lassonde M, Dinov I, Toga AW & Thompson PM 2007 Hippocampal shape differences detected in blind versus sighted subjects, 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14.
14. Luders E, Narr KL, Bilder RM, Thompson PM, Szeszko PR, Hamilton L, Gurbani MN & Toga AW 2007 Positive correlations between corpus callosum thickness and intelligence, 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14.
15. Mani M, Chou YY, Lepore N, Klunder AD, de Leeuw J, McMahon K, de Zubicaray GI, Martin N, Wright M, Toga AW & Thompson PM 2007 Mapping genetic influences on brain shape using multi-atlas fluid image alignment, International Conference on Computer Vision(ICCV), Rio de Janeiro, Brazil, October 14-20.
16. Narr KL, Hageman N, Hamilton L, Gurbani M, Woods RP, Asarnow RF, Shattuck D, Toga AW, Nuechterlein KH 2007 Mean diffusivity: A biomarker for CSF-related disease and genetic liability effects in schizophrenia, 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14.
17. Schall U, Mitchie PT, Ward PB, Fulham WR, Hughes M, Richards A, Todd J, Case V, Meyer L, Stone E, Johnston P, Rasser PE & Thompson PM 2007 Multimodal imaging of the mismatch negativity deficit in schizophrenia, International Congress for Schizophrenia Research (ICSR), Colorado Springs, Colorado, March 28-April 1.
18. Small GW, Protas HD, Huang SC, Kepe V, Siddarth P, Hayashi KM, Klunder AD, Braskie MN, Ercoli LM, Bookheimer SY, Thompson PM & Barrio JR 2007 FDDNP binding values from cortical hemispheric surface maps correlate with MMSE scores, Alzheimer's Association Inernational Conference on the Prevention of Dementia, Marriott Wardman Park Hotel, Washington, DC, June 9-12.
19. Sun D, Erp T, Wood S, Velakoulis D, McGorry P, Thompson P, Toga AW, Pantelis C, Cannon T 2007 Brain surface contraction mapped in first-episode schizophrenia – A longitudinal magnetic resonance imaging study, 13th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Chicago, IL, June 10-14.
20. Tosun D, Duchesne S, Toga AW, Barillot C, Rolland Y & Verin M 2007 Cortical atrophy patterns in PSP and MSA patients detected via 3D cortical morphometry on MRI, The Movement Disorder Society's 11th International Congress of Parkinson's Disease and Movement Disorders, Istanbul, Turkey, June 3-7.
21. Ward PB, Schall U, Michie PT, Thompson PM, Rasser P & Fulham R 2007 Mismatch Negativity amplitudes in first-episode and chronic schizophrenia: ERP, fMRI, and cortical grey matter evidence of deficits in deviance-related auditory processing, 37th Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA, Nov. 3-7.

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2. Apostolova LG, Dinov ID, Toga AW, Cummings JL & Thompson PM 2006 3D Comparison of Hippocampal Atrophy in Mild Cognitive Impairment and Alzheimer's Disease, Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1-8.

3. Apostolova LG, Dinov ID, Zoumalan C, Steiner CA, Siu E, Toga AW, Cummings JL, Small GW, Thompson PM, Phelps ME & Silverman DH 2006 MR-guided 3D PET mapping of longitudinal changes in regional cerebral metabolism of normal subjects, International Conference on Alzheimer's Disease (ICAD2006), Madrid, Spain, July 15-20.
4. Apostolova LG, Lu P, Rogers S, Dutton RA, Toga AW, Cummings JL & Thompson PM 2006 3D mapping of language impairments in clinical and preclinical Alzheimer's disease, 12th Annual Meeting Human Brain Mapping, Florence, Italy, June 11-15.
5. Apostolova LG, Lu P, Rogers S, Dutton RA, Toga AW, Cummings JL & Thompson PM 2006 3D mapping of mini-mental state examination performance in clinical and preclinical Alzheimer's disease, 12th Annual Meeting Human Brain Mapping, Florence, Italy, June 11-15.
6. Apostolova LG, Steiner CA, Akopyan GG, Toga AW, Cummings JL & Thompson PM 2006 Structural Correlates of Apathy in Alzheimer's Disease, Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1-8.
7. Apostolova LG, Thompson PM, Steiner CA, Akopyan GG, Dutton RA, Toga AW & Cummings JL 2006 Three-dimensional comparison of cortical atrophy maps in amnestic mild cognitive impairment and Alzheimer's disease, 36th Annual Society for Neuroscience (SfN), Atlanta, GA, Oct. 18.
8. Ardestani A, Steinbrink J, Toga AW & Fuster JM 2006 Memory-related changes in cytochrome c oxidase determined by near-infrared spectroscopy in the primate, 36th Annual Meeting of the Society for Neuroscience (SfN), Atlanta, GA, Oct. 14-18.
9. Becker JT, Lopez OL, Aizenstein HJ, Lobaugh NJ, Thompson PM & Juengst S 2006 Brain functional alterations in HIV/AIDS analyzed by the method of partial least squares, 34th Annual Meeting of the International Neuropsychological Society, Boston, MA, USA, Feb 1-4.
10. Carmichael OT, Kuller LH, Lopez OL, Thompson PM, Dutton RA, Lu A, Lee SH, Lee JY, Aizenstein HA, Meltzer CC, Liu Y, Toga AW & Becker JT 2006 Cardiovascular Risk Factors Accelerate Ventricular Expansion in the Cardiovascular Health Study, Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1-8.
11. Carmichael OT, Kuller LH, Lopez OL, Thompson PM, Dutton RA, Lu A, Lee SH, Lee JY, Aizenstein HA, Meltzer CC, Liu Y, Toga AW & Becker JT 2006 Longitudinal study of ventricular atrophy rates in the Cardiovascular Health Study, Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1-8.
12. Chiang M, Reiss AL, Dutton RA, Lee AD, Hayashi KM, Bellugi U, Galaburda AM, Korenberg JR, Mills DL, Toga AW & Thompson PM 2006 3D pattern of brain volume reduction in Williams Syndrome visualized using tensor-based morphometry, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
13. Chiang MC, Dutton RA, Hayashi KM, Toga AW, Lopez OL, Aizenstein HJ, Becker JT & Thompson PM 2006 3D Pattern of Brain Atrophy in HIV/AIDS Mapped using Tensor-Based Morphometry, 131st Annual Meeting of the American Neurological Association, Chicago, Illinois, October 8-11.
14. Choi SI, Sinofsky AH, Landman BA, Perlman SL, Baloh R, Zee DS, Toga AW, Prince JL & Ying SH 2006 Volumetric analysis of cerebellar subregions and functional correlations in Spinocerebellar Atazia Type 2 (SCA2): evidence for a developmental as well as an acquired component to parenchymal atrophy, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
15. Cummings JL, Apostolova LG, Akopyan GG, Steiner CA, Partiali N, Toga AW & Thompson PM 2006 Structural Correlates of Apathy in Alzheimer's Disease, Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1 – 8.
16. Foland LC, Altshuler LL, Leow AD, Lee AD, Lu A, Asuncion DM, Toga AW & Thompson PM 2006 A tensor-based morphometric study of bipolar disorder, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
17. Hageman NS, Prakash N, Salamon N, Perlman S & Toga AW 2006 Characterizing cerebellar degeneration patterns in ataxia patients using diffusion tensor imaging, 36th Annual Society for Neuroscience (SfN), Atlanta, GA, Oct. 14-18.
18. Hua X, Salamon N, Toga AW, Perlman S & Prakash N 2006 Correlation of clinical features with diffusion tensor imaging of the cerebellar white matter of ataxic patients, 36th Annual Meeting of the Society for Neuroscience (SfN), Atlanta, GA, Oct. 14-18.
19. Lee AD, Leow AD, Lu A, Reiss AL, Hall S, Lee SE, Toga AW & Thompson PM 2006 Brain deficits visualized in fragile X Syndrome using elastic matching and Riemannian tensor-based morphometry, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
20. Lepore N, Chou Y, Brun C, Mani M, deZubicaray GI, McMahon K, Wright M, Martin N, Toga AW & Thompson PM 2006 Genetic influences on brain structure and fiber architecture mapped using diffusion tensor imaging and tensor-based morphometry in twins, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
21. Levitt JG, Narr KL, Woods RP, Thompson PM, Hojatkashani C, Mormino EC, Kim J, Lin JM, Lin E, Caplan R, Smalley SL, McCracken JT & Toga AW 2006 Cortical gray matter thickness in children and adolescents with autism, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.

22. Lu A, Leow AD, Lee AD, Gogtay N, Rapoport JL, Toga AW & Thompson PM 2006 Growth pattern abnormalities in childhood-onset schizophrenia visualized using tensor-based morphometry, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
23. Lu LH, Leonard CM, Dinov ID, Thompson PM, Kan E, Jolley J, Toga AW & Sowell ER 2005 Differentiating Between Phonological Processing and Rapid Naming Using Structural MRI, 34th Annual International Neuropsychological Society (INS) Meeting, Boston, MA, February 1-4, 2006.
24. Lu LH, O'Hare ED, Bookheimer SY, Kan E, McCourt ST, Thompson PM, Toga AW & Sowell ER 2006 Mapping activation during verbal learning and recall in normally developing children, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
25. Narayan VM, Narr KL, Kumari V, Woods RP, Toga AW & Sharma T 2006 Regional cortical thinning in violent antisocial personality disorder and schizophrenia, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
26. Narr KL, Bilder RM, Wang Y, Luders E, Thompson PM, Woods RP, Robinson D, Szeszko P & Toga AW 2006 Asymmetries of cortical thickness and shape: effects of handedness, gender and schizophrenia, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
27. Narr KL, Woods RP, Thompson PM, Robinson D, Szeszko P, Gurbani MN, Dimtcheva T, Toga AW & Bilder RM 2006 Relationships between IG and regional cortical gray matter thickness in healthy adults, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
28. Ogren JA, Staba RJ, Lin JJ, Salamon N, Dutton RA, Fields TA, Luders E, Toga AW, Engel J, Thompson PM & Wilson CL 2006 Mapping hippocampal radial atrophy and high frequency oscillations in mesial temporal lobe epilepsy, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
29. O'Hare ED, Lu LH, Bookheimer SY, Kan E, McCourt ST, Thompson PM, Toga AW & Sowell ER 2006 Mapping relationships between cortical thickness and functional activation during verbal working memory in normal children, 36th Annual Meeting of the Society for Neuroscience (SfN), Atlanta, GA, Oct. 14-18.
30. O'Hare ED, Lu LH, Bookheiner SY, Kan E, McCourt ST, Poldrack RA, Thompson PM, Toga AW & Sowell ER 2006 Mapping relationships between cortical thickness and cortical activation during verbal working memory in normally developing children and adolescents, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
31. Pan MJ & Toga AW 2006 Managing parameter sweep application workflows in neuroimaging research, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
32. Potkin SG, Turner JA, Brown GG, Stern HS, Glover GH, McCarthy G, Greve D, Friedman L, Keator DB, Fallon JH, Lim KO, Gollub RL, Rosen BR, Toga AW, Kikinis R, Lauriello J, O'Leary DS, Belger A & fBIRN 2006 Multicenter fMRI methods and design: Function birn, 36th Annual Meeting of the Society for Neuroscience (SfN), Atlanta, GA, Oct. 14-18.
33. Shattuck DW, Hojatkashani C, Mirza M, Adisetiyo V, Salamon G, Narr KL, Poldrack RA, Bilder RM & Toga AW 2006 Construction of a 3D probabilistic atlas of human brain structure. 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
34. Small GW, Kepe V, Ercoli L, Siddarth P, Miller K, Bookheimer SY, Lavretsky H, Cole G, Vinters HV, Thompson PM, Huang SC, Satyamurthy NE, Phelps ME & Barrio JR 2006 FDDNP-PET Scanning of Cerebral Amyloid and Tau Deposits in Mild Cognitive Impairment, 58th Annual Meeting of the American Academy of Neurology, San Diego, CA, April 1-8.
35. Small GW, Kepe V, Ercoli L, Siddarth P, Vinters HV, Bookheimer SY, Cole GM, Thompson PM, Huang SC & Barrio JR 2006 Cerebral FDDNP-PET Binding Increases in MCI and Aging as Neurodegeneration Progresses, Annual Meeting of the Alzheimer's Imaging Consortium (AIC), 2006.
36. Sowell ER, Lu LH, O'Hare ED, McCourt ST, Toga AW, O'Connor MJ & Bookheimer SY 2006 Hippocampal activation abnormalities during verbal learning in children with severe prenatal alcohol exposure, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
37. Tohka J, Foerde K, Toga AW & Poldrack RA 2006 Automatic independent component labeling for artifact reduction in fMRI, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
38. Tosun D, Reiss AL, Bellugi U, Galaburda AM, Korenberg JR, Mills DL, Toga AW & Thompson PM 2006 Measuring increased sulcal complexity in Williams Syndrome using 3-D cortical morphometry, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
39. Wang Y, Chiang M, Toga AW & Thompson PM 2006 Surface mutual information for brain mapping, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
40. Wang Y, Gu X, Chan TF, Toga AW, Thompson PM & Yau S 2006 Brain surface conformal parameterization with algebraic functions. 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.
41. Yang Y, Raine A, Narr KL, Bell S, Wu H, Lencz T, Bihrle S, Colletti P, LaCasses L & Toga AW 2006 Successful and unsuccessful psychopaths: neuroanatomical similarities and differences, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.

42. Yang Y, Raine A, Narr KL, Ng S, Leung S, Lenca T, Bihrle S, LaCasse L, Colletti P & Toga AW 2006 Intercorrelations between the amygdale, orbitofrontal cortex and psychopathy, 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 11-15.

2005

1. Apostolova L, Thompson PM, Dutton RA, Dinov ID, Toga AW, & Cummings JL 2005 Hippocampal Size Can Predict the Outcome of Mild Cognitive Impairment, 57th Annual Meeting of the American Academy of Neurology (AAN), Miami Beach, FL, April 9-16.
2. Apostolova L, Thompson PM, Hayashi K, Dinov I, Toga AW & Cummings J 2005 Cortical atrophy pattern predictive of conversion of mild cognitive impairment to Alzheimer dementia, AAAN Annual Meeting, Miami, FL, April 9-16.
3. Apostolova LG, Thompson PM, Dutton RA, Dinov ID, Toga AW, Cummings JL 2005 Hippocampal Radial Atrophy Mapping Can Predict the Outcome of Mild Cognitive Impairment, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
4. Apostolova LG, Thompson PM, Hayashi KM, Dinov ID, Toga AW, Cummings JL 2005 3D Surface-Based Gray Matter Density Analysis Can Predict Conversion from Mild Cognitive Impairment to Alzheimer's Dementia, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
5. Bearden CE, Dutton RA, van Erp TGM Tran H, Zimmermann L, Geaga JA, Simon TJ, Ding L, Emanuel BS & Thompson PM 2005 Cortical Thickness Maps in Children with 22q11.2 Deletion Syndrome, 35th Annual Meeting of the Society for Neuroscience, Washington DC, Nov. 12-16.
6. Becker JT, Hayashi KM, Seaman JL, Lopez OL, Aizenstein HJ & Thompson PM 2005 Alteration in Hippocampal and Caudate Nucleus Structure in HIV/AIDS Revealed by 3-Dimensional Surface Mesh Analysis, 57th Annual Meeting of the American Academy of Neurology (AAN), Miami Beach, FL, April 9-16.
7. Bernstein MA, Lin C, Borowski BJ, Dale AM, Krueger G, Ward HA· Metzger GJ, Debbins JP, Scott KT, Fox NC, Hill DLG, Schuff N, Harvey DJ, Killiany R, Whitwell JL, Ward CP, Britson PJ, Thompson PM, Alexander GE, Glover GH, Mugler JP III, Weiner MW & Jack CR 2005 Alzheimer's Disease Neuroimaging Initiative (ADNI): The MR Imaging Protocol, State-of-the-Art Cardiovascular and Neuro MRI, a Joint Workshop of the ISMRM and CSR, Beijing, China, September.
8. Carmichael OT, Thompson PM, Dutton RA, Lu A, Lee SE, Lee JY, Hayashi KM, Toga AW, Lopez OL, Aizenstein HJ, Becker JT 2005 Mapping 3D Ventricular Changes in HIV/AIDS with Manual and Fully-Automated Tracings, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
9. Carmichael OT, Thompson PM, Dutton RA, Lu A, Lee SE, Lee JY, Hayashi KM, Toga AW, Lopez OL, Aizenstein HJ & Becker JT 2005 Dementia-Associated Ventricular Volume Changes in a Community Cohort, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
10. Chiang MC, Reiss AL, Eckert MA, Dutton RA, Lee AD, Alaghband Y, Bellugi U, Galaburda A, Korenberg J, Mills DL, Toga AW, Thompson PM 2005 Tensor-Based Morphometry of the Corpus Callosum in Williams Syndrome, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
11. Gogtay N, Herman DH, Ordonez A, Greenstein D, Hayashi KM, Nugent TF, Vaituzis C, Giedd JN, Classen L, Lelbenluft E, Thompson PM & Rapoport JL 2005 Cortical Brain Development in Early Onset Bipolar Illness Before and After the Illness Onset, 52nd Annual Meeting of the Society for Nuclear Medicine (SNM), Toronto, Canada, June 18-22.
12. Joshi A, Shattuck DW, Thompson PM, Leahy RM 2005 Thin-Plate Spline Registration in the Intrinsic Geometry of the Cortical Surface, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
13. Leow AD, Lee AD, Chiang MC, Dutton RA, Hayashi KM, Huang SC, Becker JT, Davis SW, Toga AW, Thompson PM 2005 Analysis of Regional Brain Atrophy in a Single Case of Semantic Dementia Using Serial MRI with Inverse-Consistent Non-Rigid Registration, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
14. Leow AD, Thompson PM, Hayashi KM, Bearden C, Nicoletti MA, Monkul SE, Brambilla P, Sassi RB, Mallinger AG & Soares JC 2005 Lithium Effects on Human Brain Structure Mapped Using Longitudinal MRI, 35th Annual Meeting of the Society for Neuroscience, Washington DC, Nov. 12-16.
15. Lin JJ, Salamon N, Lee AD, Dutton RA, Geaga JA, Hayashi KM, Luders E, Toga AW, Engel J, Thompson PM 2005 Mapping Reduced Cortical Thickness and Complexity in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.
16. Lu LH, Leonard CM, Thompson PM, Kan E, Jolley J, Toga AW & Sowell ER 2005 Double Dissociation of Anatomical-Behavioral Specialization Using MRI, 35th Annual Meeting of the Society for Neuroscience (SfN), Washington, D.C., November 12-16.
17. Lu LH, Leonard CM, Thompson PM, Kan E, Toga AW, Sowell ER 2005 Mapping Structural Brain Changes Related to Improving Phonological Awareness in Normal Children, 11th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Toronto, Canada, June 12-16.

18. Mazziotta J, Toga A, Evans A, Fox P, Zilles K, Woods R, Lancaster J, Paus T, Amunts K, Iacoboni M, Watkins K, Hulshoff Pol H, Kawashima R, Mazoyer B, Cannon T, Smith K, Carley M, Mori S, Ascoli G and Members of the International Consortium for Brain Mapping (ICBM) 2005 Organizational Principles Relating Human Brain Structure and Function: Insights from the ICBM Probabilistic Atlas, 11th Annual Mtg. of the Organization for Human Brain Mapping, Metro Toronto Convention Center, June 12-16.
19. Mykkanen J, Itaranta M, Tohka J 2005 Object Oriented Implementation for the Dual Surface Minimisation Algorithm, 2005 Medical Informatics Europe (MIE), Geneva, Switzerland, August 28-September 1.
20. Narr KL, Bilder RM, Woods RP, Thompson PM, Szeszko P, Robinson D, Ballmaier M, Slater M, Messenger B, Wang YP, Toga AW 2005 Mapping CSF Changes in First Episode Schizophrenia, International Conference of the Organization for Human Brain Mapping, Toronto, Ontario, Canada, June 12-16.
21. Narr KL, Toga AW, Szeszko P, Thompson PM, Woods RP, Robinson D, Sevy S, Wang YP, Schrock K, Bilder RM 2005 Cortical Thinning in Cingulate and Occipital Cortices in First Episode Schizophrenia, International Congress on Schizophrenia Research (ICOSR), Savannah, GA, April 2-6.
22. Nugent TF, Thompson PM, Herman DH, Giedd JN, Greenstein D, Classen L, Rapoport JL & Gogtay N 2005 Dynamic Mapping of Hippocampal Development in Childhood Onset Schizophrenia, 11th Annual Meeting of the Organization for Human Brain Mapping, Toronto, Canada, June 12-16.
23. Ogren JA, Staba RJ, Lin JJ, Salamon N, Dutton RA, Luders E, Toga AW, Engel J, Thompson PM & Wilson C 2005 Fast Ripple Oscillations Correlate with Increases in Hippocampal Atrophy in Unilateral Mesial Temporal Lobe Epilepsy, American Epilepsy Society and American Clinical Neurophysiology Society Joint Annual Meeting, Washington, DC, December 2-6.
24. Ordonez AE, Gogtay N, Herman DH, Hayashi KM, Greenstein D, Vaituzis C, Clasen L, Sporn A, Giedd JN, Nugent TF, Toga AW, Liebenluft E, Thompson PM & Rapoport JL 2005 Dynamic Mapping of Cortical Brain Development in Pediatric Bipolar Illness, 35th Annual Meeting of the Society for Neuroscience (SfN), Washington, D.C., November 12-16.
25. Prakash N, Guiou M, Sheth S, Cury K, Theriot J & Toga AW 2005 Hemodynamics in Mouse Neocortex Evoked During Somatosensory Stimulation and During Spreading Depression, 35th Annual Meeting of the Society for Neuroscience (SfN), Washington, D.C., November 12-16.
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27. Rasser PE, Peck G, Johnston PJ, Thompson PM, Ward PB & Schall U 2005. fMRI BOLD Cerebellar Activation of First-Episode Schizophrenia Patients during the Tower of London Task, International Congress on Schizophrenia Research, Savannah, GA, April 2-6.
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2004

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5. Davis SW, Hayashi K, Meltzer CC, Thompson PM, Toga AW, Lopez OL, Becker JT 2004 Mapping Hippocampal Volume Changes in Alzheimer's Disease and Mild Cognitive Impairment, 34th Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA, October 23-27.
6. Ercoli LM, Siddarth P, Thompson PM, Hayashi KM & Small GW 2004 Reduced Cerebral Gray Matter Volumes May Have Prognostic Significance for Memory Decline in Healthy Older Adults, Annual Meeting of the American Association for Geriatric Psychiatry (AAGP), Baltimore, MD, Feb. 21-24.
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23. Protas HD, Huang SC, Leow AD, Thompson PM 2004 Evaluation of a Level-Set Based Method for Brain Surface Mapping, Society for Nuclear Medicine 2004, Philadelphia, PA, June 19-23.
24. Rasser PE, Johnston P, Lagopoulos J, Ward PB, Schall U, Thienel R, Bender S, Toga AW & Thompson PM 2004 Analysis of first-episode schizophrenia patients' sMRI and fMRI BOLD activation during the Tower of London Task using cortical pattern matching, 10th Annual Meeting of the Organization for Human Brain Mapping, Budapest, Hungary, June 13-17.
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38. Thompson PM 2004 Mathematical/Computational Challenges in Brain Mapping, Proc. American Mathematical Society, Phoenix, AZ, January 5-6.
39. Tinsley MR, Mackenzie-Graham AM, Rao VY, Jacobs R, Cannon TD, Toga AW 2004 Mapping Variability in *In Vivo* Mouse Brain Using MRI, 34th Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA, October 23-27.
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43. Wang YL, Gu X, Chan T, Thompson PM & Yau ST 2004 Intrinsic Brain Surface Conformal Mapping using a Variational Method, Proc. SPIE International Symposium on Medical Imaging, Conference on Image Processing, San Diego, CA, Feb. 14-19.
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2. Dinov ID, Boscardin JW, Mega MS, Sowell ER & Toga AW 2003 A Wavelet-Based Statistical Analysis of fMRI data: Motivation, Data Distribution Modeling and Analysis, NeuroImage.
3. Felix D, Mosher JC & Leahy RM 2003 Generic Head Models for Atlas-Based EEG-Source Analysis, 9th Annual Meeting of the Organization for Human Brain Mapping, New York City, NY, June.
4. Frew AJ, Thompson PM, Tseng PB, Cloughesy TF, Toga AW & Alger JR 2003 T1, Proton Density T2 and Parametric T2 Reproducibility After Automated Image Registration in Longitudinal Studies of Brain Tumors, Proc. International Society for Magnetic Resonance in Medicine (ISMRM), Toronto, Canada, May 10-16.
5. Gogtay N, Lusk L, Hayashi KM, Giedd JN, Classen L, Vaituzis C, Nugent TF, Blumenthal J, Vidal CN, Toga AW, Rapoport JL & Thompson PM 2003 Dynamics of Human Cortical Development Tracked Using Cortical Surface Mapping and Long-Interval Serial MRI, 33rd Annual Meeting of the Society for Neuroscience, New Orleans, LA, November 8-12.
6. Gogtay N, Lusk LA, Hayashi KM, Giedd JN, Clasen LS, Vaituzis A, Greenstein D, Nugent III TF, Blumenthal J, Vidal CN, Toga AW, Rapoport JL & Thompson PM 2003 Dynamics of human cortical development tracked using cortical surface mapping and long-interval serial MRI, 33rd International Meeting of the Society for Neuroscience, New Orleans, LA, November 8-12.
7. Gu X, Wang YL, Chan T, Thompson PM & Yau ST 2003 Genus Zero Conformal Mapping and its Application to Brain Surface Mapping, 18th International Conference on Information Processing in Medical Imaging(IPMI), Ambleside, UK, July 20-25.
8. Mackenzie-Graham A, Martin M, Jones E, Shattuck D, Jacobs R, Voskuhl R & Toga AW 2003 An atlas of experimental autoimmune encephalomyelitis in the C57BL/6 brain, 33rd Annual Meeting of the Society for Neuroscience (SfN), New Orleans, LA, November 8-12.

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10. Mega MS, Dinov ID & Wang A 2003 Exploring Behavioral Psychopathology in Dementia Using Functional Neuroimaging, The International Psychogeriatric Association, XI Congress, Chicago, IL, USA, August 17-22.
11. Narr KL, Bilder RM, Szeszko P, Thompson PM, Jang S, Kim S, Hayashi K, Asunction D, Woods RP & Toga AW 2003 Mapping regional hippocampal abnormalities in first episode schizophrenia, 9th Annual Meeting of the Organization for Human Brain Mapping, New York, NY, June.
12. Narr KL, Bilder RM, Szeszko P, Thompson PM, Jang S, Kim S, Hayashi K, Woods RP & Toga AW 2003 Regional Specificity of Hippocampal Volume Reductions in First Episode Schizophrenia, International Congress on Schizophrenia Research, Colorado Springs, CO, March 29 - April 2.
13. Narr KL, Sharma T, Woods RP, Thompson PM, Sowell ER, Rex D, Kim S, Asunction D, Jang S & Toga AW 2003 Regional Extra-Cortical CSF Increases Despite Absence of Significant Gray Matter Losses in Schizophrenia, International Congress on Schizophrenia Research, Colorado Springs, CO, Mar. 29-April 2.
14. Nicolson R, DeVito TJ, Vidal CN, Sui Y, Hayashi KM, Drost DJ, Williamson PC, Craven-Thuss B, Pavlosky W, Toga AW & Thompson PM 2003 Magnetic Resonance Imaging of the Hippocampus in Males with Autism 9th Annual Meeting of the Organization for Human Brain Mapping, New York City, NY, June.
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17. Pitiot A, Delingette H, Toga AW & Thompson PM 2003 Learning Object Correspondences with the Observed Transport Shape Measure, 18th International Conference on Information Processing in Medical Imaging, IPMI, Ambleside, UK, July 20-25.
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23. Sowell ER, Leonard CM, Thompson PM, Lombardino LJ, Welcome SE & Toga AW 2003 Longitudinal mapping of brain maturation during childhood, 33rd Annual Meeting of the Society for Neuroscience (SfN), New Orleans, LA, November 8-12.
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26. Thompson PM, Hayashi KM, Hong MS, Herman DH, Simon S, Toga AW & London ED 2003 Methamphetamine-induced deficits in the human hippocampus detected using novel computational anatomical mapping algorithms and MRI, 33rd International Meeting of the Society for Neuroscience, New Orleans, LA, November 8-12.
27. Thompson PM 2003 Genetics, Brain Structure, and IQ, Proc. International Society for Intelligence Research, Newport Beach, CA, December. 4-6.
28. Thompson PM 2003 Imaging of Brain Development and Schizophrenia: Recent Advances and Challenges, Invited Symposium on Neuropsychiatry of Neurodevelopment, Proc. 14th Ann. Conference of the American Neuropsychiatric Association (ANPA), Honolulu, HI, February 2-4.

29. Thompson PM 2003 Mathematical Challenges and New Directions in Computational Neuroanatomy, Tutorial Presentation, 3rd Annual fMRI Data Center (fMRIDC) Summer Workshop, Dartmouth College, Hanover, NH, July 7-9.
30. Valentino DJ, Neu S, Ouellette K & Toga AW 2003 Managing multiple image formats and conventions using a generalized translation engine: the DICOM debabelar, SPIE Medical Imaging 2003: PACS, May 19.
31. Vidal CN, DeVito TJ, Hayashi KM, Drost DJ, Williamson PC, Craven-Thuss B, Herman D, Sui Y, Toga AW, Nicolson R & Thompson PM 2003 Detection and Visualization of Corpus Callosum Deficits in Autistic Children using Novel Anatomical Mapping Algorithms, Proc. International Society for Magnetic Resonance in Medicine (ISMRM), Toronto, Canada, May 10-16.
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33. Vidal CN, Rapoport JL, Gochman P, Giedd JN, Blumenthal J, Gogtay N, Nicolson R, Toga AW, Thompson PM 2003 Mapping Limbic System Deficits in Adolescents with Schizophrenia Using Novel Computational Anatomy Techniques, 9th Annual Meeting of the Organization for Human Brain Mapping, New York City, NY, June.
34. Vidal CN, Rapoport JL, Hayashi KM, Sui Y, Giedd JN, Gochman P, Blumenthal J, Gogtay N, Nicholson R, Toga AW & Thompson PM 2003 Mapping hippocampal changes in adolescents with schizophrenia using novel computational anatomy techniques, 33rd International Meeting of the Society for Neuroscience, New Orleans, LA, November 8-12.
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36. Wang YL, Gu X, Chan T, Thompson PM & Yau ST 2003 Intrinsic Brain Surface Conformal Mapping using a Variational Method, Proc. Medical Imaging Computing and Computer Assisted Intervention (MICCAI), Toronto, Canada, November 10-14.

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2. Hamilton JD, Asarnow R, Gogate N, Rapoport JL & Thompson PM 2002 The Neurobiology of Early-Onset Schizophrenia: An Update, Proc. American Academy of Child and Adolescent Psychiatry (AACAP), San Francisco, CA, October 2002.
3. Mega MS, Dinov ID, Dailey J, Manese MP, Felix J, Tran NP, Toga AW & Cummings JC 2002 Functional imaging assessment of cholinesterase inhibitor therapy in Alzheimer's disease: HMPAO-SPECT and FDG-PET within a probabilistic atlas, The 8th International Conf. on Alzheimer's Disease and Related Disorders, Stockholm, Sweden July 20-25.
4. Mega MS, Tran NP, Dailey J, Dinov ID, Thompson PM, Felix J, & Toga AW 2002 The hippocampus in aging and dementia: Quantitative, linear, volumetric & 3D morphological mapping using a probabilistic Alzheimer's brain atlas, The 8th International Conf. on Alzheimer's Disease and Related Disorders, Stockholm, Sweden July 20-25.
5. Pitiot A, Toga AW, Ayache N & Thompson PM 2002 Texture-Based MRI Segmentation with a Two-Stage Hybrid Neural Classifier, IEEE World Congress on Computational Intelligence and Neural Nets, Honolulu, HI, May 12-17.
6. Sowell ER, Thompson PM, Peterson BS, Henkenius AL, Welcome SE & Toga AW 2002 Mapping Non - Linear age effects of cortical gray matter between 7 and 87 years, 32nd Annual Meeting of the Society for Neuroscience (SfN), Orlando, FL, November 2-7.
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