**PUBLICATIONS**

**Peer-Reviewed Journal Articles**

**Joseph, R. M**., Fricker, Z., & Keehn, B. (2015). Activation of frontoparietal attention networks by nonpredictive gaze and arrow cues. *Social cognitive and affective neuroscience*, *10*, 294-301.

**Joseph, R. M.**, Fricker, Z., Fenoglio, A., Lindgren, K., Knaus, T., & Tager-Flusberg, H. (2014). Structural asymmetries of language-related gray and white matter as related to language function in young children with ASD. *Behavior and Brain Imaging, 8,* 60-72.

McLean, R. L., Harrison, A. J., Zimak, E., **Joseph, R. M**., & Morrow, E. M. (2014). Executive Function in Probands With Autism With Average IQ and Their Unaffected First-Degree Relatives. *Journal of the American Academy of Child & Adolescent Psychiatry*, *53*(9), 1001-1009.

Viscidi, E. W., Triche, E. W., Pescosolido, M. F., McLean, R. L., **Joseph, R. M.**, Spence, S. J., & Morrow, E. M. (2013). Clinical characteristics of children with autism spectrum disorder and co-occurring epilepsy. *PloS one*, *8*(7), e67797.

O’Shea, T. M., **Joseph, R. M**., Kuban, K. C., Allred, E. N., Ware, J., Coster, T. & ELGAN Study Investigators. (2014). Elevated blood levels of inflammation-related proteins are associated with an attention problem at age 24 mo in extremely preterm infants. *Pediatric research*, *75*(6), 781-787.

Khan S, Gramfort A, Shetty NR, Kitzbichler MG, Ganesan S, Moran JM, Lee SM,

Gabrieli JD, Tager-Flusberg HB, **Joseph RM**, Herbert MR, Hämäläinen MS, Kenet T.

Local and long-range functional connectivity is reduced in concert in autism spectrum disorders. Proc Natl Acad Sci U S A. 2013 Feb 19;110(8):3107-12.

Yu TW, Chahrour MH, Coulter ME, Jiralerspong S, Okamura-Ikeda K, Ataman B,

Schmitz-Abe K, Harmin DA, Adli M, Malik AN, D'Gama AM, Lim ET, Sanders SJ,

Mochida GH, Partlow JN, Sunu CM, Felie JM, Rodriguez J, Nasir RH, Ware J, **Joseph**

**RM**, Hill RS, Kwan BY, Al-Saffar M, Mukaddes NM, Hashmi A, Balkhy S, Gascon GG,

Hisama FM, LeClair E, Poduri A, Oner O, Al-Saad S, Al-Awadi SA, Bastaki L,

Ben-Omran T, Teebi AS, Al-Gazali L, Eapen V, Stevens CR, Rappaport L, Gabriel SB,

Markianos K, State MW, Greenberg ME, Taniguchi H, Braverman NE, Morrow EM, Walsh

CA. Using whole-exome sequencing to identify inherited causes of autism. Neuron. 2013 Jan 23;77(2):259-73.

[Kenet, T](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Kenet%20T%22%5BAuthor%5D)., [Orekhova, E.V](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Orekhova%20EV%22%5BAuthor%5D)., [Bharadwaj, H](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Bharadwaj%20H%22%5BAuthor%5D)., [Shetty, N.R](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Shetty%20NR%22%5BAuthor%5D)., [Israeli, E](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Israeli%20E%22%5BAuthor%5D)., [Lee, A.K](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Lee%20AK%22%5BAuthor%5D)., [Agam, Y](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Agam%20Y%22%5BAuthor%5D)., [**Joseph, R.M**](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Joseph%20RM%22%5BAuthor%5D)**.**, [Hämäläinen, M.S](http://www.ncbi.nlm.nih.gov/pubmed?term=%22H%C3%A4m%C3%A4l%C3%A4inen%20MS%22%5BAuthor%5D)., & [Manoach D.S](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Manoach%20DS%22%5BAuthor%5D). (2012). Disconnectivity of the cortical ocular motor control network in autism spectrum disorders. *Neuroimage, 61*, 1226-1234.

Mattila, M.L., Kielinen, M., Linna, S.L., Jussila, K., Ebeling, H., Bloigu R., **Joseph, R.M.**, & Moilanen I. (2011). Autism spectrum disorders according to DSM-IV-TR and comparison with DSM-5 draft criteria: An epidemiological study. *Journal of the American Academy Child and Adolescent Psychiatry, 50*, 583-592.

Agam, Y., **Joseph, R. M.**, Barton, J., & Manoach, D. (2010). Reduced cognitive control of response inhibition by the anterior cingulate cortex in autism spectrum disorders. *Neuroimage*, 37, 599-610.

Weiss, L. A. et al. (2009). A genome-wide linkage and association scan reveals novel loci for autism. *Nature, 461*, 802-808.

Hadjikhani, H., **Joseph, R. M.**, Manoach, D. S., Naik, P., Snyder, J., Dominick, K., Hoge, R., Van de Stock, J., Tager-Flusberg, H., & de Gelder, B. (2009). Body expressions of emotion do not trigger fear contagion in autism spectrum disorder. *Social Cognitive and Affective Neuroscience, 4,* 70-78.

**Joseph, R. M.**, Keehn, B., Connolly, C. E., Wolfe, J. M., & Horowitz, T. S. (2009). Why Is visual search superior in autism spectrum disorder? *Developmental Science, 12,* 1083-1096.

Knaus, T. A., Silver, A. M., Dominick, K. C., Schuring, M. D., Shaffer, N., Lindgren, K. A., **Joseph, R. M.**, & Tager-Flusberg, H. (2009). Age-related changes in the anatomy of language regions in autism spectrum disorder. *Brain Imaging and Behavior, 1*, 51-63.

Keehn, B., & **Joseph, R. M.** (2008). Impaired prioritization of novel onset stimuli in autism spectrum disorder. *Journal of Child Psychology and Psychiatry, 49,* 1296-1303.

Thakkar,K. N., Polli, F. E., **Joseph, R. M.**, Tuch, D. S., Hadjikhani, N., Barton, J., Manoach, D. S. (2008). Abnormal response monitoring, repetitive behavior, and decreased microstructural integrity of white matter underlying anterior cingulate cortex in autism spectrum disorders. *Brain, 131,* 2464-2478.

Gotham, K., Risi, S., Dawson, G., Tager-Flusberg, H., **Joseph, R.**, Carter, A. et al. (2008). A replication of the Autism Diagnostic Observation Schedule (ADOS) revised algorithms. *Journal of the American Academy of Child and Adolescent Psychiatry, 47*, 642-651.

**Joseph, R. M.**, McNally, R., Ehrman, K., & Keehn, B. (2008). Affective response to eye contact and face recognition ability in autism spectrum disorder. *Journal of the International Neuropsychology Society, 14, 947-955.*

Morrow EM, Yoo SY, Flavell SW, Kim TK, Lin Y, Hill RS, Mukaddes NM, Balkhy S,

Gascon G, Hashmi A, Al-Saad S, Ware J, **Joseph RM**, Greenblatt R, Gleason D, Ertelt

JA, Apse KA, Bodell A, Partlow JN, Barry B, Yao H, Markianos K, Ferland RJ,

Greenberg ME, Walsh CA. Identifying autism loci and genes by tracing recent

shared ancestry. Science. 2008 Jul 11;321(5886):218-23.

Hadjikhani, H., **Joseph, R. M.**, Snyder, J., & Tager-Flusberg, H. (2007). Abnormal activation of the social brain during face perception in autism. *Human Brain Mapping, 28,* 441-449*.*

Tager-Flusberg, H., Skewer, D. P., & **Joseph, R. M.** (2006). Model syndromes for investigating social cognitive and affective neuroscience: A comparison of autism and Williams syndrome. *Social Cognitive and Affective Neuroscience*, *1*, 175-182.

Hadjikhani, H., **Joseph, R. M.**, Snyder, J., & Tager-Flusberg, H. (2006). Anatomical differences in the mirror neuron system and social cognition network in autism. *Cerebral Cortex*, *16*, 1276-1282.

**Joseph, R. M.**, McGrath, L., & Tager-Flusberg, H. (2005). Executive dysfunction and its relationship to language impairment in school-age children with autism. *Developmental Neuropsychology*, *27*, 361-378.

**Joseph, R. M.**, Steele, S., Meyer, E., & Tager-Flusberg, H. (2005). Self-ordered pointing in children with autism: Failure to use verbal mediation in the service of working memory. *Neuropsychologia, 43*, 1400-1411.

Splawski, I., Timothy, K., Sharpe, L., Necher, N., Kumar, P., Bloise, R., Napolitano, C., Schwartz, P. J., **Joseph, R. M.**, Condouris, K., Tager-Flusberg, H., Priori, S., Sanguinetti, M., & Keating, M. T. (2004). Cav1.2 calcium channel dysfunction causes a multisystem disorder including arrhythmia and autism.  *Cell, 119*, 1-20.

Hadjikhani, H., **Joseph, R. M.**, Snyder, J., Chabris, C. F., Clark, J., Steele, S., McGrath, L., Vangel, M., Aharon, I., Fekzco, A., Harris, G J., & Tager-Flusberg, H. (2004). Activation of the fusiform gyrus when individuals with autism spectrum disorder view faces. *NeuoImage, 22*, 1141-1150.

Ozonoff, S., Cook, I., Coon, H., Dawson, G., **Joseph, R. M.**, Klin, A., McMahon, W. M., Minshew, N., Munson, J. A., Pennington, B. F., Rogers, S. J., Spence, M. A., Tager-Flusberg, H., Volkmar, F. R., & Wrathall, D. (2004). Performance on CANTAB subtests sensitive to frontal lobe function in people with autistic disorder: Evidence from the CPEA Network. *Journal of Autism and Developmental Disorders, 34,* 139-150.

**Joseph, R. M.**, & Tager-Flusberg, H. (2004). The relationship of theory of mind and executive functions to symptom type and severity in children with autism. *Development and Psychopathology,* *16,* 137-155.

Hadjikhani, H., Chabris, C. F., **Joseph, R. M.**, Clark, J., McGrath, L., Aharon, I., Fekzco, A., Tager-Flusberg, H., & Harris, G J. (2004). Early visual cortex organization in autism: An fMRI study. *NeuroReport, 15,* 267-270*.*

Tager-Flusberg, H., Plesa Skewer, D., Kaminski, S., & **Joseph, R. M.** (2003). People with Williams syndrome process faces holistically. *Cognition, 89*, 11-24.

Steele, S., **Joseph, R. M.**, & Tager-Flusberg, H. (2003). Brief report: Developmental change in theory of mind abilities in children with autism. *Journal of Autism and Developmental Disorders,* 33, 461-467.

**Joseph, R. M.**, & Tanaka, J. (2003). Holistic and part-based face recognition in children with autism. *Journal of Child Psychology and Psychiatry, 44*, 529-542.

Tager-Flusberg, H., & **Joseph, R. M.** (2003). Identifying neurocognitive phenotypes in autism. *Philosophical Transactions of the Royal Society of London, B, 358,* 303-314. *(*Also published as a contribution to *Autism: Mind and Brain*, U. Frith and E. Hill (Eds). Oxford: Oxford University Press, 2004.)

Deutsch, C., & **Joseph, R. M.** (2003). Brief report: Cognitive correlates of enlarged head circumference in children with autism. *Journal of Autism and Developmental Disorders, 33,* 209-215.

**Joseph, R. M.**, Tager-Flusberg, H., & Lord, C. (2002). Cognitive profiles and social-communicative functioning in children with autism spectrum disorder*.* *Journal of Child Psychology and Psychiatry, 43*, 807-822.

Tager-Flusberg, H, **Joseph, R. M.**, & Folstein, S. (2001). Current directions in research on autism. *Mental Retardation and Developmental Disabilities Research Reviews, 7*, 21-29.

**Joseph, R. M.** (1999). Neuropsychological frameworks for understanding autism. *International Review of Psychiatry, 11*, 309-325.

**Joseph, R. M.**, & Tager-Flusberg, H. (1999). Preschool children's understanding of the desire and knowledge constraints on intended action. *British Journal of Developmental Psychology, 17,* 221-243*.*

**Joseph, R. M.** (1998). Intention and knowledge in preschoolers' conception of pretend. *Child Development*, *69*, 966-980.

**Joseph, R. M.**, & Tager-Flusberg, H. (1997). An investigation of attention and affect in children with autism and Down syndrome. *Journal of Autism and Developmental Disorders*, 27, 385-396.