

## Research output

### **Oculomotor deficits in attention deficit hyperactivity disorder (ADHD): A systematic review and comprehensive meta-analysis**

Maron, D. N., Bowe, S. J., Spencer-Smith, M., Mellahn, O. J., Perrykkad, K., Bellgrove, M. A. & Johnson, B. P., Dec 2021, In: *Neuroscience and Biobehavioral Reviews*. 131, p. 1198-1213 16 p.

### **The Monash Autism-ADHD genetics and neurodevelopment (MAGNET) project design and methodologies: a dimensional approach to understanding neurobiological and genetic aetiology**

Knott, R., Johnson, B. P., Tiego, J., Mellahn, O., Finlay, A., Kallady, K., Kouspos, M., Mohanakumar Sindhu, V. P., Hawi, Z., Arnatkeviciute, A., Chau, T., Maron, D., Mercieca, E. C., Furley, K., Harris, K., Williams, K., Ure, A., Fornito, A., Gray, K., Coghill, D. & 7 others, Nicholson, A., Phung, D., Loth, E., Mason, L., Murphy, D., Buitelaar, J. & Bellgrove, M. A., 5 Aug 2021, In: *Molecular Autism*. 12, 1, 24 p., 55.

### **Potential role for immune-related genes in autism spectrum disorders: Evidence from genome-wide association meta-analysis of autistic traits**

Arenella, M., Cadby, G., De Witte, W., Jones, R. M., Whitehouse, A. J. O., Moses, E. K., Fornito, A., Bellgrove, M. A., Hawi, Z., Johnson, B., Tiego, J., Buitelaar, J. K., Kiemeny, L. A., Poelmans, G. & Bralten, J., Aug 2021, (Accepted/In press) In: *Autism*. 12 p.

### **Genetic influences on hub connectivity of the human connectome**

Arnatkeviciute, A., Fulcher, B. D., Oldham, S., Tiego, J., Paquola, C., Gerring, Z., Aquino, K., Hawi, Z., Johnson, B., Ball, G., Klein, M., Deco, G., Franke, B., Bellgrove, M. A. & Fornito, A., 9 Jul 2021, In: *Nature Communications*. 12, 1, 14 p., 4237.

### **An Australian Cross-Sectional Survey of Parents' Experiences of Emergency Department Visits Among Children with Autism Spectrum Disorder**

Garrick, A., Lee, M. L., Scarffe, C., Attwood, T., Furley, K., Bellgrove, M. A. & Johnson, B. P., Jun 2021, (Accepted/In press) In: *Journal of Autism and Developmental Disorders*. 15 p.

### **Functional Connectivity of Corticostriatal Circuitry and Psychosis-like Experiences in the General Community**

Sabaroedin, K., Tiego, J., Parkes, L., Sforazzini, F., Finlay, A., Johnson, B., Pinar, A., Cropley, V., Harrison, B. J., Zalesky, A., Pantelis, C., Bellgrove, M. & Fornito, A., 1 Jul 2019, In: *Biological Psychiatry*. 86, 1, p. 16-24 9 p.

### **Functional Magnetic Resonance Imaging of Eye Movements: Introduction to Methods and Basic Phenomena**

Johnson, B. & Jamadar, S., 2019, *Eye Movement Research: An Introduction to its Scientific Foundations and Applications*. Klein, C. & Ettinger, U. (eds.). Cham Switzerland: Springer, p. 503-548 46 p. (Studies in Neuroscience, Psychology and Behavioral Economics).

### **A case-control genome-wide association study of ADHD discovers a novel association with the tenascin R (TNR) gene**

Hawi, Z., Yates, H., Pinar, A., Arnatkeviciute, A., Johnson, B., Tong, J., Pugsley, K., Dark, C., Pauper, M., Klein, M., Heussler, H. S., Hiscock, H., Fornito, A., Tiego, J., Finlay, A., Vance, A., Gill, M., Kent, L. & Bellgrove, M. A., 18 Dec 2018, In: *Translational Psychiatry*. 8, 1, 8 p., 284.

### **Genome-wide association study reveals novel genetic locus associated with intra-individual variability in response time**

Pinar, A., Hawi, Z., Cummins, T., Johnson, B., Pauper, M., Tong, J., Tiego, J., Finlay, A., Klein, M., Franke, B., Fornito, A. & Bellgrove, M. A., 4 Oct 2018, In: *Translational Psychiatry*. 8, 1, 8 p., 207.

### **Are Motor Control and Regulation Problems Part of the ASD Motor Profile? A Handwriting Study**

Grace, N., Johnson, B. P., Rinehart, N. J. & Enticott, P. G., 3 Oct 2018, In: *Developmental Neuropsychology*. 43, 7, p. 581-594 14 p.

### **The role of cadherin genes in five major psychiatric disorders: A literature update**

Hawi, Z., Tong, J., Dark, C., Yates, H., Johnson, B. & Bellgrove, M. A., 1 Mar 2018, In: *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*. 177, 2, p. 168-180 13 p.

**Can cognitive theories help to understand motor dysfunction in autism spectrum disorder?**

Grace, N., Johnson, B. P., Enticott, P. G. & Rinehart, N. J., 1 Jan 2018, *Autism: The Movement-Sensing Perspective*. Torres, E. B. & Whyatt, C. (eds.). Florida: CRC Press, p. 43-55 13 p.

**Do children with ASD have difficulty handwriting under time pressure?**

Grace, N., Rinehart, N. J., Enticott, P. G. & Johnson, B. P., 1 May 2017, In: *Research in Autism Spectrum Disorders*. 37, p. 21-30 10 p.

**Do Handwriting Difficulties Correlate with Core Symptomology, Motor Proficiency and Attentional Behaviours?**

Grace, N., Enticott, P. G., Johnson, B. P. & Rinehart, N. J., 1 Apr 2017, In: *Journal of Autism and Developmental Disorders*. 47, 4, p. 1006-1017 12 p.

**Rare DNA variants in the brain-derived neurotrophic factor gene increase risk for attention-deficit hyperactivity disorder: a next-generation sequencing study**

Hawi, Z., Cummins, T. DR., Tong, J., Arcos-Burgos, M., Zhao, Q., Matthews, N., Newman, D. P., Johnson, B., Vance, A., Heussler, H. S., Levy, F., Easteal, S., Wray, N., Kenny, E., Morris, D., Kent, L., Gill, M. & Bellgrove, M. A., Apr 2017, In: *Molecular Psychiatry*. 22, p. 580-584 5 p.

**Allelic variation in dopamine D2 receptor gene is associated with attentional impulsiveness on the Barratt Impulsiveness Scale (BIS-11)**

Taylor, J. B., Cummins, T. D. R., Fox, A. M., Johnson, B. P., Tong, J. H., Visser, T. A. W., Hawi, Z. & Bellgrove, M., 20 Jan 2017, In: *World Journal of Biological Psychiatry*. 19, S2, p. S75-S83 9 p.

**Separating the wheat from the chaff: systematic identification of functionally relevant noncoding variants in ADHD**

Tong, JHS., Hawi, Z., Dark, C., Cummins, TDR., Johnson, BP., Newman, DP., Lau, R., Vance, A., Heussler, HS., Matthews, N., Bellgrove, M. A. & Pang, KC., 1 Nov 2016, In: *Molecular Psychiatry*. 21, 11, p. 1589-1598 10 p.

**Voluntary saccades in attention-deficit/hyperactivity disorder: Looking into the relationship between motor impairment and autism spectrum disorder symptoms**

Connolly, A. J., Rinehart, N. J., Johnson, B., Papadopoulos, N. & Fielding, J., 15 Oct 2016, In: *Neuroscience*. 334, p. 47-54 8 p.

**Ocular motor disturbances in autism spectrum disorders: Systematic review and comprehensive meta-analysis**

Johnson, B. P., Lum, J. A. G., Rinehart, N. J. & Fielding, J., Oct 2016, In: *Neuroscience and Biobehavioral Reviews*. 69, p. 260-279 20 p.

**Intrinsic connectivity provides the baseline framework for individual variability in motor performance: A multivariate fusion analysis of low- and high-frequency resting-state oscillations and antisaccade performance**

Jamadar, S. D., Egan, G. F., Calhoun, V. D., Johnson, B. & Fielding, J., 1 Jul 2016, In: *Brain Connectivity*. 6, 6, p. 505-517 13 p.

**Movement scaling in children with ADHD-combined type**

Langmaid, R. A., Papadopoulos, N., Johnson, B. P., Phillips, J. & Rinehart, N. J., Feb 2016, In: *Journal of Attention Disorders*. 20, 2, p. 131-137 7 p.

**Left anterior cingulate activity predicts intra-individual reaction time variability in healthy adults**

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**Genetically mediated resistance to distraction: Influence of dopamine transporter genotype on attentional selection**

Bellgrove, M. A., Newman, D. P., Cummins, T., Tong, J., Johnson, B. P., Wagner, J., Goodrich, J., Hawi, Z. & Chambers, C., 24 Apr 2015.

### **The molecular genetic architecture of attention deficit hyperactivity disorder**

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### **An association between a dopamine transporter gene (SLC6A3) haplotype and ADHD symptom measures in nonclinical adults**

Tong, J. H. S., Cummins, T., Johnson, B. P., McKinley, L.-A., Pickering, H., Fanning, P., Stefanac, N., Newman, D. P., Hawi, Z. & Bellgrove, M. A., 2015, In: *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*. 168, 2, p. 89 - 96 8 p.

### **Behavioral and neural plasticity of ocular motor control: Changes in performance and fMRI activity following antisaccade training**

Jamadar, S., Johnson, B. P., Clough, M. J., Egan, G. F. & Fielding, J., 2015, In: *Frontiers in Human Neuroscience*. 9, 13 p., 653.

### **Do children with autism and Asperger's disorder have difficulty controlling handwriting size? A kinematic evaluation**

Johnson, B. P., Phillips, J. G., Papadopoulos, N., Fielding, J., Tonge, B. J. & Rinehart, N. J., 2015, In: *Research in Autism Spectrum Disorders*. 11, p. 20 - 26 7 p.

### **Identification and functional characterisation of a novel dopamine beta hydroxylase gene variant associated with attention deficit hyperactivity disorder**

Tong, J. H. S., McKinley, L.-A., Cummins, T., Johnson, B. P., Matthews, N. L., Vance, A. L. A., Heussler, H. S., Gill, M., Kent, L. S. W., Bellgrove, M. A. & Hawi, Z., 2015, In: *World Journal of Biological Psychiatry*. 16, 8, p. 610 - 618 9 p.

### **Handwriting in children with ADHD**

Langmaid, R., Papadopoulos, N., Johnson, B. P., Phillips, J. G. & Rinehart, N. J., 1 Aug 2014, In: *Journal of Attention Disorders*. 18, 6, p. 504-510 7 p.

### **Cerebellum and the psychopathology of autism and Asperger's disorder**

Johnson, B. P., Stanley-Cary, C., Fielding, J., Rinehart, N. J. & Papadopoulos, N., 2014, *Comprehensive Guide to Autism*. Patel, V. B., Preedy, V. R. & Martin, C. R. (eds.). New York NY USA: Springer, p. 845 - 863 19 p.

### **Dopamine transporter genotype is associated with a lateralized resistance to distraction during attention selection**

Newman, D. P., Cummins, T., Tong, J. H. S., Johnson, B. P., Pickering, H., Fanning, P., Wagner, J., Goodrich, J. T. T., Hawi, Z., Chambers, C. D. & Bellgrove, M. A., 2014, In: *Journal of Neuroscience*. 34, 47, p. 15743 - 15750 8 p.

### **Myelin paucity of the superior cerebellar peduncle in individuals with Friedreich ataxia: an MRI magnetization transfer imaging study**

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### **A quantitative comparison of handwriting in children with high-functioning autism and attention deficit hyperactivity disorder**

Johnson, B. P., Papadopoulos, N., Fielding, J., Tonge, B. J., Phillips, J. G. & Rinehart, N. J., 2013, In: *Research in Autism Spectrum Disorders*. 7, 12, p. 1638 - 1646 9 p.

### **Ischaemic stroke: The ocular motor system as a sensitive marker for motor and cognitive recovery**

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### **Saccade adaptation in autism and Asperger's disorder**

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### **Understanding macrographia in children with autism spectrum disorders**

Johnson, B. P., Phillips, J. G., Papadopoulos, N., Fielding, J., Tonge, B. J. & Rinehart, N. J., 2013, In: *Research in Developmental Disabilities*. 34, 9, p. 2917 - 2926 10 p.

**A closer look at visually guided saccades in autism and Asperger's disorder**

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