

Curriculum Vitae

Kim M. Cornish

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Education

Ph.D. (Neuropsychology), University of London, United Kingdom, 1991

BSc (Hons) (Psychology), University of Lancaster, United Kingdom, 1988

Employment History

2013-Present Deputy Dean, sub Faculty of Biomedical and Psychological Sciences, Faculty of Medicine, Nursing and Health Science, Monash University, Melbourne

2013-Present Head of School, School of Psychological Sciences (formerly known as the School of Psychology & Psychiatry), Faculty of Medicine, Nursing and Health Science, Monash University, Melbourne

2010-2013 Head of School, School of Psychology & Psychiatry, Faculty of Medicine, Nursing and Health Science, Monash University, Melbourne

2009-2010 Professor & Deputy Head, School of Psychology & Psychiatry, Faculty of Medicine, Monash University, Melbourne

2002-2009 Full Professor (2007), Associate Professor (Psychology (Ed)), McGill University, Montréal, Canada

2006-2009 Member, Division of Psychiatry, Faculty of Medicine, McGill University

2006-2009 Member, Division of Paediatrics, Faculty of Medicine, McGill University

2003-2009 Member, Department of Neurology and Neurosurgery, Faculty of Medicine, McGill University

1995-2002 University Reader (Psychiatry), Senior Lecturer (Psychiatry), Lecturer (Behavioural Sciences), Faculty of Medicine, Nottingham University, United Kingdom

1992-1995 University Lecturer (Psychology), Faculty of Science, University of Leicester, United Kingdom

Awards and Distinctions

- 2013 SACS Leadership Award - Executive Category within the State Government and Statutory Authority (\$7,500)
- 2013 Visiting International Scholar Award, University of South Carolina (\$25,000)
- 2007- 2014 Canada Research Chair, Tier 1 (CIHR), McGill University, McGill University (\$1, 400,000)
- 2002- 2014 Canada Research Chair, Canadian Institutes of Health Research (CIHR), McGill University, McGill University (renewable for life) (\$150,000)
- 2009- 2009 Adjunct Professor in Neurology & Neurosurgery, Department of Neurology & Neurosurgery, Faculty of Medicine, McGill University
- 2004- Present Adjunct Professor in Psychology, Department of Psychology, College of Education, Zhejiang Normal University, Jinhua, Zhejiang, China
- 2002- Present Special Professor in Community Health Sciences, Division of Psychiatry, Faculty of Medicine, University of Nottingham, UK

International Standing

- 2012- 2015 Peer Review College, The Wellcome Trust, UK
- 2011- Present Ongoing Assessor, Australian Research Council
- 2007- Present College of Reviewers, Canada Research Chairs, Canada
- 2007- Present Ongoing Assessor, The Wellcome Trust, UK
- 2007- 2009 Assessor, Social Sciences and Humanities, Research Council of Canada
- 2007- 2007 Research Centre: Fragile X Initiative, National Institutes of Health, USA

Research Expertise

I am an expert in cognition and development housed within the broad umbrella of psychology and cognitive science. My research examines development in attention and other cognitive skills across the lifespan in both typically and atypically developing child and adult populations. I have worked in this field for 20 years and in that time I have led international, interdisciplinary research teams with combined expertise in psychology, neuroscience, molecular genetics and education. At McGill University, I was awarded the Canada Research Chair in Developmental Neuroscience and Education in recognition of my interdisciplinary expertise. The interdisciplinary nature of my work has led to publications in high-impact journals that include *Brain*, *Neurology*, *Journal of Cognitive Neuroscience*, *Journal of Psychology and Psychiatry*, *Neuropsychologia*, *Child Development*, and *Molecular Psychiatry*

I joined Monash University in 2009 and my current roles include: Head of the School of Psychological Sciences, Deputy Dean of the Faculty of Biomedical and Psychology Sciences, and Director of the Child and Adult Development Lab. In these roles I take leadership of the Academic Organisational Unit for all the accredited psychology degree programs (both undergraduate and postgraduate) across Monash's campuses in Australia and its international

campuses in Malaysia and South Africa. In addition I lead my own research team at Monash, as well as 10 years of international collaborations in Canada, London and Oxford.

Main areas of specialised expertise: Psychology, Autism, Development, Intellectual Disabilities, Cognition, Attention, Genetics, Language.

Research and Scholarly Activity

Research Grants - Australia

Role:	CI
Period:	2013
Agency:	ARC LIEF - LE130100112
Title:	Behavioural research: advanced exploration of the mind.
Team:	Oppewal, H., Hunton, J.E, Cornish, K.M. , Lancsar, E., Thomas, S.L., Crewther, D.P., Ciorciari, J., Burnett, I.S., Dyer, A.G
Amount:	\$200,000
Role:	CI
Period:	2012-2015
Agency:	ARC Linkage Projects Scheme
Title:	Enhancing learning capacity and academic outcomes using novel game technology in primary school children with developmental disabilities.
Team:	Cornish, K.M. , Gray, K, Hocking, D, Ellis, K, Harcourt, J, McIntosh,
Amount:	\$315,535 (ARC).
Role:	CI
Period:	2012-2014
Agency:	ARC – Project Id: DP120101414
Title:	Attentional mechanisms in the relationship between sleep disruption and academic outcomes in Australian school children.
Team:	Cornish, K.M. , Rajaratnam, S., Rhinehart, N., Conduit, R., Hiscock, H., and Huessler, H
Amount:	\$250,000

Role: CI
 Period: 2011-2013
 Agency: ARC – Project Id: DP110103346
 Title: Are neurobehavioural and neuromotor impairments associated with FMR1 gene expansion?
 Team: **Cornish, K.M.**, Metcalfe, S., Trollor, J., Georgiou-Karistianis, N., Wen, W., Iansek, R., Fielding, J., Bradshaw, J., Delatycki, M., and Hackett, A.
 Amount: \$400,000

Role: CI
 Period: 2012-2016
 Agency: NHMRC
 Title: Mental health of young people with developmental disabilities.
 Team: Einfeld, S., Tonge, B., Sanders, M., Gray, K., Sofronoff, K., **Cornish, K.M.** (AI)
 Amount: \$5.2 million.

Role: CI
 Period: 2011-2014
 Agency: NHMRC
 Title: Motor functioning in young people with attention deficit hyperactivity disorder – combined type: A three-dimensional motion analysis study.
 Team: Rhinehart, N., McGinley, J., Tonge, B., Murphy, J., **Cornish, K.M.** & Bradshaw, J
 Amount: \$350,000

Role: CI
 Period: 2011
 Agency: APEX Foundation for Research into Intellectual Disability
 Title: Assessing symptoms of ADHD in children and adolescents with intellectual disability
 Team: **Cornish, K.M.** & Gray, K
 Amount: \$21,055

Role: CI
 Period: 2010
 Agency: NHMRC equipment grant
 Title: MRI and TMS compatible electroencephalography system (EEG) and an MRI compatible transcranial magnetic stimulation system (TMS)
 Team: Georgiou-Karistianis, N., Fitzgerald, P., Stout, J., **Cornish, K.M.**, Maller, J., et al
 Amount: \$237,000

Research Grants – Canada

Role: CI
 Period: 2009-2012
 Agency: Canadian Institute of Health Research (CIHR)
 Title: Developing health, education and parent partnerships to promote social inclusion in children with developmental delays
 Team: **Cornish, K.M.**, et al.
 Amount: CAD\$ 800,000

Role: CI
 Period: 2008-2011
 Agency: Social Sciences and Humanities Research Council (SSHRC), Canada
 Title: Inattentive behaviours and cognition as predictors of later academic outcomes
 Team: **Cornish, K.M.**, et al.
 Amount: CAD\$ 198,000

Role: CI
 Period: 2007-2010
 Agency: Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC), Canada
 Title: Understanding developmental disorders in the classroom: Building a 'virtual' resource platform for schools and communities
 Team: **Cornish, K.M.**, Dore R., (Université du Québec à Montréal, Quebec, Canada); Jemel B., (Centre de recherche de l'Hôpital Rivière-des-Prairies, Quebec, Canada)
 Amount: CAD\$ 115,229

Role: CI
 Period: 2007-2014
 Agency: Canada Research Chair - Tier 1(CIHR), Canada
 Title: Tracing syndrome-specific trajectories of cognitive deficit in neurodevelopmental disorders across the lifespan.
 Team: **Cornish, K.M.**, et al.
 Amount: CAD\$ 1,400,000

Role: CI
 Period: 2007-2009
 Agency: Canada Foundation for Innovation, Canada
 Title: An international multidisciplinary platform for neuroscience studies of neurodevelopmental disorders across the lifespan
 Team: **Cornish, K.M.** et al.
 Amount: CAD\$ 125,000

Role: CI
 Period: 2007-2011
 Agency: The Wellcome Trust, UK
 Title: Developmental interactions and independence of visual and auditory attentional control deficits: The case of fragile X syndrome
 Team: Scerif G., (Oxford, UK); **Cornish, K.M.**, Karmiloff-Smith A., (London, UK)
 Amount: CAD\$ 650,000

Role: CI
 Period: 2006-2007
 Agency: REPAR
 Title: Childhood-Disability-LINK: Linking Information and New Knowledge to Service Providers and Families
 Team: Majnemer, A., (Principal Investigator, Physical and Occupational Therapy, McGill); Atkinson, J., (McGill, Neurology); **Cornish, K.M.**, Fombonne E., (McGill, Psychiatry); Ghosh, S., (Paediatrics, McGill); Kehayia, E., (Physical and Occupational Therapy); Lach, L., (Social Work, McGill); Shevell, M., (Neurology, McGill)
 Amount: CAD\$ 24,000

Role: CI
 Period: 2002-2007
 Agency: Canada Research Chair
 Title: Elucidating the developmental pathways in children with disorders of attention
 Team: **Cornish, K.M.**, et al
 Amount: CAD\$ 500,000

Role: CI
 Period: 2004-2007
 Agency: Social Sciences and Humanities Research Council (SSHRC), Canada
 Title: Numerical processing in children with Fragile X syndrome, children with Down syndrome and typically developing children
 Team: **Cornish, K.M.**, Burack, J., (McGill) Simon, T., (MIND Institute, UC Davis, USA); Wilding, J., (London, UK)
 Amount: CAD\$ 116,000

Role: CI
 Period: 2004-2009
 Agency: Canadian Institute of Health Research (CIHR)
 Title: Visual perceptual and cognitive deficits in Fragile X syndrome
 Team: Chaudhuri, A., **Cornish, K.M.**, (Department of Psychology, McGill) Faubert, J., (Université de Montréal); Kogan, C., (University of Ottawa)
 Amount: CAD\$ 400,000

Role: CI
 Period: 2003-2006
 Agency: National Institutes of Health (NIH) R21
 Title: Cognitive-brain phenotyping of atypical Chinese children
 Team: Karmiloff-Smith, A., (London, UK); **Cornish, K.M.**, Mills, D., (Emory, US); Zhao, Z., (Houngzhou, China); Fu, G., (Zhejiang Normal University); Lee, K. (Toronto); Tassabehji, M., (Manchester, UK)
 Amount: CAD\$280,000

Role: CI
 Period: 2003-2006
 Agency: The PPP Foundation
 Title: The origins of self-injurious behavior in genetic syndromes
 Team: Oliver, C., (Birmingham, UK); Kline, A., (Baltimore, US); **Cornish, K.M.**, Seri, S., (Birmingham, UK); Friess, S., (Birmingham)
 Amount: CAD\$273,000

Role: CI
 Period: 2002-2005
 Agency: Canada Foundation for Innovation
 Title: A multidisciplinary platform for neuroscience studies of neurodevelopmental disorders
 Team: **Cornish, K.M.**,
 Amount: CAD\$313,996

Research Grants – UK

Role: CI
 Period: 2002-2005
 Agency: The PPP Foundation
 Title: The Nottingham adolescent high-risk study: Identifying neuro-cognitive and behavioural risk factors for early-onset psychosis
 Team: Hollis, C.P., (Nottingham, UK); **Cornish, K.M.**, Liddle, P., (Nottingham, UK); Jackson, G., (Nottingham, UK)
 Amount: £260,600

Role: CI
 Period: 2001-2004
 Agency: The Wellcome Trust, UK
 Title: Are premutation in the FMR-1 gene without phenotypic expression?
 Team: **Cornish, K.M.**, Dalton, A., (Sheffield, UK); Hollis, C.P., (Nottingham UK); Turk, J., (St George's Medical School, London, UK); Manly, T., (Cambridge, UK)
 Amount: £213,000

Role: CI
 Period: 2000-2003
 Agency: Jules Thorn Charitable Medical Trust, UK
 Title: Identifying subtypes of ADHD: A neuropsychological, genetic and longitudinal population-based study
 Team: C. P. Hollis (Nottingham, UK); **Cornish, K.M.**,
 Amount: £147,400

Role: CI
 Period: 2000-2002
 Agency: PPP Foundation, UK
 Title: Cognitive, behavioural and nutritional characteristics of children and adolescents with Cri-du-Chat syndrome and the impact upon the family
 Team: **Cornish, K.M.**, Standen, P., (Nottingham, UK); McNulty, H., (Ulster, N. Ireland); Collins, M., (Ulster, N. Ireland)
 Amount: £107,000

Role: CI
 Period: 1998-2001
 Agency: University of Nottingham Innovation Award and Research Studentship
 Title: Imaging cognitive function in females with Fragile X syndrome: A pilot study
 Team: **Cornish, K.M.**, Morris, P., (Nottingham, UK); Jackson, G., (Nottingham, UK); Cross, G., (Medical Genetics, UK)
 Amount: £51,200

Role: CI
Period: 1998-2001
Agency: NHS Executive Trust, UK
Title: Working memory in children with ADHD: Impact of methylphenidate
Team: **Cornish, K.M.**, Hollis, C., (Nottingham, UK); Slaveska, K., (Nottingham, UK)
Amount: £38,000

Role: CI
Period: 1995-1998
Agency: Mental Health Foundation
Title: Neuropsychological profiles in children and adults with Fragile X syndrome
Team: **Cornish, K.M.**
Amount: £80,000

Post Doctoral Fellowship Awards

Role: Supervisor
Period: 2006-2009
Agency: Canada Institutes of Health Research Clinical Research Initiative Fellowship Award
Recipient: Dr Armando Bertone “Using perceptual signatures to dissociate the pathophysiology underlying behavioural phenotypes in fragile X syndrome: fragile X syndrome with and without autistic features”
Amount: \$165,000

Research and Scholarly Productivity

Books

** *postdoctoral fellow* * *graduate student*

Cornish, K.M., & Wilding, J., (2010). *Attention, Genes and Developmental Disorders*. Oxford: Oxford University Press. 560 pages

Book Chapters

Cornish, K.M., Sornberger, M*, Dupasquier, M*, & Wilding, J. (2012). Global Mental functions: Intellectual (B117) In A. Majnemer (Ed). *Measures for children with developmental disabilities*. London: MacKeith Press.

Wilding, J., & **Cornish, K.M.** (2012) Specific mental functions: Attention and executive functions (B140, B144, B164). In A. Majnemer (Ed) *Measures for children with developmental disabilities*. London: MacKeith Press.

Gray, K.M. & **Cornish, K.M.** (2012). Genetic disorders and social problems. In V. Anderson & M. Beauchamp (Eds.). *Developmental social neuroscience and childhood brain insult: Implications for theory and practice (pp. 269-283)*. New York: Guilford Press

Cornish, K.M., Bertone, A.,** Kogan, C., & Scerif, G* (2011) Linking genes to cognition: the case of fragile X syndrome. *The Oxford Handbook of Intellectual Disability and Development* (2nd edition), edited by J. A. Burack, R. M. Hodapp, G. Iarocci, and E. Zigler (Eds.). Oxford. Oxford University Press

Rinehart, N.J., **Cornish, K.M.**, & Tonge, B. (2011). Gender differences and Neurobiological issues in developmental disorders: Autism and Fragile X Syndrome. Neil, J.C., & Kulkarni, J. (Ed.). *The Biological Basis of Sex Differences in Psychopharmacology. Current Topics in Behavioral Neurosciences*. Springer: USA.

Cornish, K.M., Levitas, A., & Sudhalter, V. (2007). Fragile X syndrome: the journey from genes to behavior. In M.M.M. Mazzocco & J.L.Ross (Eds), *Neurogenetic Developmental Disorders: Manifestation and Identification in Childhood*, Cambridge, MA: The MIT Press.

Cornish, K.M., & Wilding, J. (2006). Does cognitive performance increase or decrease across development in Fragile X syndrome: Impact of verbal mental age and gender. In J. Malard (Ed.). *Focus on Mental Retardation*. New York: Nova Publishing.

Cornish, K.M., Wilding, J., & Grant, C. (2006). Deconstructing working memory in developmental disorders of attention. In S. Pickering (Ed.), *Working Memory and Education* (pp.157-188). CA: Elsevier Science

Wilding, J., & **Cornish, K.M.** (2004). Attention and executive functions in children with Down syndrome. In J. Malard (Ed.), *Focus on Down Syndrome Research* (pp.147-162). New York: Nova Publishing.

Cornish, K.M. (2003). Cognitive strengths and weaknesses in young children with Fragile X syndrome. In D. Dew-Hughes (Ed.), *Educating children with Fragile X syndrome* (pp. 20-25). London: Routledge.

- Cornish, K.M.** (2003). Cognitive and Behaviour Profiles in Adults with Fragile X syndrome. In D. Dew-Hughes (Ed.), *Educating children with Fragile X syndrome* (pp. 172-175). London: Routledge.
- Cornish, K.M.**, & Taylor, J. (2003). Related conditions: Autism and ADHD in Fragile X syndrome. In D. Dew-Hughes (Ed.), *Educating children with Fragile X syndrome* (pp. 144-149). London: Routledge.
- Cornish, K.M.** (2000). An Introduction to statistics in research. In N. Mathers, M. Williams, & B. Hancock (Eds.), *Statistical Analysis in Primary Care* (pp. 1-21). London: Radcliffe Medical Press.

Publications

** *postdoctoral fellow* * *graduate student*

- Kraan, C. M.,* Hocking, D. R.,** Georgiou-Karistianis, N., Metcalfe, S. A., Archibald, A. D., Fielding, J., Trollor, J., Bradshaw, J., Cohen, J. & **Cornish, K. M.** (2014). Age and CGG-repeat length are associated with neuromotor impairments in at-risk females with the FMR1 premutation. *Neurobiology of Aging*.
- Hippolyte, L., Battistella, G., Gronchi Perrin, A., Fornari, E., **Cornish, K.M.**, Beckmann, J.S., Niederhauser, J., Vingerhoets, F.J.G., Draganski, B., Maeder, P., & Jacquemont, S. (2014) Investigation of memory, executive functions and anatomical correlates in asymptomatic *FMR1* premutation carriers. *Neurobiology of Aging*.
- Kraan, C.,* Hocking, D.,** Bradshaw, J., Georgiou-Karistianis, N., Metcalfe, S., Archibald, A., Fielding, J., Trollor, J., Cohen, J., & **Cornish, K. M.** (2014). Symbolic sequence learning is associated with cognitive-affective profiles in female *FMR1* premutation carriers. *Genes, Brain and Behavior*.
- Shelton, A. L.,* **Cornish, K.**, Kraan, C.,* Georgiou-Karistianis, N., Metcalfe, S. A., Bradshaw, J. L., Hocking, D. R.,** Archibald, A. D., Cohen, J., Trollor, J. N., & Fielding, J. (2014) Exploring inhibitory deficits in female premutation carriers of fragile X syndrome: Through eye movements. *Brain and Cognition*, 85, 201-208.
- Kraan, C. M.,* Hocking, D. R.,** Georgiou-Karistianis, N., Metcalfe, S. A., Archibald, A. D., Fielding, J., Trollor, J., Bradshaw, J., Cohen, J. & **Cornish, K. M.** (2014). Impaired response inhibition is associated with self-reported symptoms of depression, anxiety, and ADHD in female FMR1 premutation carriers. *American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics: the Official Publication of the International Society of Psychiatric Genetics*, 165(1), 41-54.
- May, T.,* **Cornish, K.**, Conduit, R., Rajaratnam, S., & Rinehart, N. (2013) Sleep in High-Functioning Children with Autism: Longitudinal Developmental Change and Associations with Behaviour Problems. *Behavioral Sleep Medicine*, 11(5). doi: 10.1080/15402002.2013.829064
- Kirk, H.,* Hocking, D., Riby, D., & **Cornish, K** (2013) Linking Social Behaviour and Anxiety to Attention to Emotional Faces in Williams syndrome. *Research in Developmental Disabilities*, 34(12), 4608-46016. doi: 10.1016/j.ridd.2013.09.042.
- Riby, D. M., Hanley, M., Kirk,* H., Clark, F., Little, K., Fleck, R., Janes, E., Kelso, L., O'Kane, F., Cole-Fletcher, R., Allday, M. H., Hocking, D., **Cornish, K.**, &

- Rodgers, J. (2013) The Interplay Between Anxiety and Social Functioning in Williams Syndrome. *Research in Developmental Disabilities*
- May, T.,* **Cornish, K.M.**, & Rinehart, N.J. (2013) Does Gender Matter? A one year follow-up of Autistic, Attention and Anxiety Symptoms in High-functioning children with Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*. doi 10.1007/s10803-013-1964-y
- Kraan, C. M.,* Hocking, D. R.,** Georgiou-Karistianis, N., Metcalfe, S., Archibald, A.D., Fielding, J., Trollor, J., Bradshaw, J.L., Cohen, J., & **Cornish, K.M.** (2013). Cognitive-motor interference during postural control indicates at-risk cerebellar profiles in females with the FMR1 premutation. *Behavioural Brain Research*, 26(13), 00432-00434.
- Cornish, K.M.**, Farran, E.K., & Karmiloff-Smith, A. (2013). Neurodevelopmental Disorders Across the Lifespan: A Neuroconstructivist Approach. *Journal of Autism and Developmental Disorders*, 43(3) 752 DOI 10.1007/s 10803-013-1761-7
- Steele, A.,* Scerif, G., **Cornish, K.M.**, & Karmiloff-Smith, A. (2013) Learning to read in Williams syndrome and Down syndrome: syndrome-specific precursors and developmental trajectories. *Journal Child Psychology and Psychiatry*. 54(7):754-62. doi: 10.1111/jcpp.12070.
- Cornish, K.M.**, Longhi, E., Cole, V. *, Karmiloff-Smith, A., & Scerif, G. (2013) Mapping developmental trajectories of attention and working memory in fragile X syndrome: developmental freeze or developmental change? *Development and Psychopathology* 25(2) 365-76. doi: 10.1017/S0954579412001113
- Hocking, D.R.,** Thomas, D.,* Menant, J., Smith, S., Lord, S., & **Cornish, K.M.** (2013). The interplay between executive control and motor functioning in Williams syndrome. *Developmental Science*, 16 (3)428-42. doi: 10.1111/desc.12042.
- May, T.,* Rinehart, N., Wilding, J., & **Cornish, K.M.** (2013). The role of attention in the academic attainment of children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*. 43(9), 2147-58. doi 10.1007/s10803-013-1766-2
- Kraan, C.,* Hocking, D.,** Bradshaw, J. L., Fielding, J., Cohen, J., Georgiou-Karistianis, N., & **Cornish, K.M.** (2013). Neurobehavioral evidence for the involvement of the FMR1 gene in female carriers of fragile X syndrome. *Neuroscience and Biobehavioral Reviews*. 37(3) 522-47. doi: 10.1016/j.neubiorev.2013.01.010.
- May, T.,* **Cornish, K.M.**, & Rinehart, N.J. (2012) Gender profiles of behavioural attention in children with Autism Spectrum Disorder. *Journal of Attention Disorders*, 21 doi: 10.1177/1087054712455502
- Guy, J.,* Rogers, M., & **Cornish, K.M.** (2012) Age-related changes in visual and auditory sustained attention in preschool-aged children. *Child Neuropsychology* 19(6), 601-14. DOI: 10.1080/09297049.2012.710321
- Steele, A.,*, Karmiloff-Smith, A., **Cornish K.M.** & Scerif, G. (2012) The Multiple Sub-Functions of Attention: Differential Developmental Gateways to Literacy and Numeracy. *Child Development*. 83 (6), 2028-41 doi: 10.1111/j.1467-8624.2012.01809.x
- Hanck, J.,* **Cornish, K.M.**, Perreault, A., Kogan, C., & Bertone, A.** (2012) Using detection or identification paradigms when assessing visual development: Is a shift in paradigm necessary? *Journal of Vision*. 12(6).4. doi: 10.1167/12.6.4.

- Cornish, K.M.**, Cole, V.,* Longhi, E, Karmiloff-Smith, A & Scerif, G. (2012) Does attention constrain developmental trajectories in fragile X syndrome? A 3-year prospective longitudinal study. *American Journal of Intellectual and Developmental Disabilities*.117(2) 103-20
- Cornish, K.M.**, Roberts, J.E., & Scerif, G. (2012) Editorial: capturing developmental trajectories of change in persons with intellectual and developmental disability. *American Journal of Intellectual and Developmental Disabilities*, 117(2) 83-6 doi: 10.1352/1944-7558-117.2.83.
- Sivaratnam, C.S.,* **Cornish, K.M.**, Gray, K., Howlin, P., & Rinehart, N. (2012) Brief Report: Assessment of the Social-Emotional Profile in Children with Autism Spectrum Disorders using a Novel Comic Strip Task. *Journal of Autism and Developmental Disorder* 42(11) 2505-12. doi: 10.1007/s10803-012-1498-8
- Hocking, D.R.,** Kogan, C.S, & **Cornish, K.M.** (2012) Selective spatial processing deficits in an at-risk subgroup of the fragile X premutation. *Brain and Cognition*, 79(1):39-44.
- Hunter, J.E., Sherman, S., Grigsby, J., Kogan, C., & **Cornish, K.M.** (2012) Capturing the fragile X permutation phenotypes: A collaborative effort across multiple cohorts. *Neuropsychology* 26 (2) 156-64
- Cornish, K.M.**, Steele, A.,*., Monteiro, C.R., Karmiloff-Smith, A. & Scerif, G. (2012). Attention deficits predict phenotypic outcomes in syndrome-specific and domain-specific ways. *Frontiers in Psychology*, 3, 227-235.
- Guy, J.,* Rogers, M & **Cornish, K.M.** (2012) Developmental changes in visual and auditory inhibition in early childhood. *Infant and Child Development*, 21(5), 521-536. doi: 10.1002/icd.1756.
- Scerif, G., Longhi, E., Cole, V., Karmiloff-Smith, V., & **Cornish, K.M.** (2011) Attention across modalities as a longitudinal predictor of early outcomes: The case of fragile X syndrome. *Journal of Child Psychology & Psychiatry* 53(6), 641-50 doi: 10.1111/j.1469-7610.2011.02515.
- Cornish, K.M.**, Savage, R., Hocking, D.,** & Hollis, C.P. (2011). Association of the DAT1 genotype with inattentive behaviour is mediated by reading ability in a general population sample. *Brain and Cognition*,.77(3) 453-8.
- Cornish, K.M.**, Hocking, D.R.,** Moss, S.A., & Kogan, C.S. (2011) Selective executive markers of at-risk profiles associated with the fragile X permutation. *Neurology*. 77(7) 618-22.
- Claro, A.,* **Cornish, K.M.**, & Gruber, R (2011) Atypical Behaviors in Developmental Disorders: The Association between Fatigue and Autistic Symptoms in Children with Cri du Chat Syndrome. *American Journal on Intellectual and Developmental Disabilities*. 116 (4) 278-89
- Reisinger, L.,* **Cornish, K.M.**, & Fombonne, L. (2011) Diagnostic Differentiation of Autism Spectrum Disorders and Pragmatic Language Impairment. *Journal of Autism and Developmental Disorders*, 41(12) 1694-704
- Rezazadeh, S.M.,* Wilding, J., & **Cornish, K.M** (2011) The relationship between measures of cognitive attention and behavioural ratings of attention in typically developing children. *Child Neuropsychology*.17(2)197-208. doi: 10.1080/09297049.2010.532203

- Zhan, J.Y., Wilding, J., **Cornish, K.M.**, Shao, J., Xie, C.H., Wang, Y.X., Lee, K., Karmiloff-Smith, A., & Zhao, Z.Y. (2011). Charting the developmental trajectories of attention and executive function in Chinese school-aged children. *Child Neuropsychology*, 17(1) 82-95.
- Jacquemont, S., Curie, A., des Portes, V., Torrioli, M.G., Berry-Kravis, E., Hagerman, R.J., Ramos, F.J., **Cornish, K.M.**, He, Y., Paulding, C., Neri, G., Chen, F., Hadjikhani, N., Martinet, D., Meyer, J., Beckmann, J.S., Delange, K., Brun, A., Bussy, G., Gasparini, F., Hilse, T., Floesser, A., Branson, J., Bilbe, G., Johns, D., & Gomez-Mancilla, B. (2011). Epigenetic modification of the FMR1 gene in fragile X syndrome is associated with differential response to the mGluR5 antagonist AFQ056. *Science Translational Medicine*, 3(64)ra1, doi: 10.1126/scitranslmed.3001708
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- Ter-Stepanian M*., Grizenko, N., **Cornish, K.M.**, & Ridha, J. (2008, June). Executive Function in Children with ADHD and Learning Disabilities. *American Psychological Association 117th Annual Convention, Toronto, Canada.*
- Sobel, H*., **Cornish, K.M.**, & Wilding, J. (2008, May). The role of cognitive processes in children's inattentive behaviors. *Canadian Psychological Association 70th Annual convention, Montreal, Canada.*
- Guy, J*., Hanck, J*., & **Cornish, K.M.** (2008, May). Typical trajectory of attentional functioning in preschool aged children: performance on measures of divided attention, sustained attention, focused attention and inhibitory control. *Canadian Psychological Association 70th Annual convention, Montreal, Canada.*
- Hanck, J*., Guy, J*., & **Cornish, K.M.** (2008, May). Tracing the Typical Trajectory of Attention SubComponents in School-Aged children. *Canadian Psychological Association 70th Annual convention, Montreal, Canada.*
- Claro A* & **Cornish, K.M.** (2008, May). Autism Pathways in Developmental Disorders. *Canadian Psychological Association 70th Annual convention, Montreal, Canada.*

- Williamson, M**, **Cornish, K.M.**, & Stefanatos, G. (2008, April). Deconstructing visual-spatial cognition in early childhood. *Cognitive Neuroscience Society Meeting, San Francisco, California, USA.*
- Williamson, M**, Hayter, C**, & **Cornish, K.M.** (2008, June). Gender directed trajectories of visual-spatial abilities in typically developing children. *18th Conference on Theoretical and Experimental Neuropsychology (TENNET) Annual Meeting, Waterloo, Canada.*
- Cornish, K.M.**, Turk, J., & Hagerman, R. (2007, October). Age dependent cognitive changes in Fragile X carrier males with and without FXTAS: evidence for diverging pathways. *10th International Symposium - Neurobiological Commonalities Leading to Translational Research, Society for the Study of Behavioural Phenotypes (SSBP), Sacramento, USA.*
- Hanck, J**, **Cornish, K.M.**, & Scerif, G. (2007, September). The developmental attentional signatures in Fragile X syndrome. *10th International Symposium - Neurobiological Commonalities Leading to Translational Research, Society for the Study of Behavioural Phenotypes (SSBP), Sacramento, USA.*
- Hanck, J**, Bertone, A*, Kogan, C., Chaudhuri, A., & **Cornish, K.M.** (2007, September). Tracing the visual perceptual deficits in Fragile X boys. *10th International Symposium - Neurobiological Commonalities Leading to Translational Research, Society for the Study of Behavioural Phenotypes (SSBP), Sacramento, USA.*
- Kogan, C.S., Boutet, I., **Cornish, K.M.**, Graham, G.E., Berry-Kravis, E., Collin, C.A., Therrien, M., Macleod, L., & Milgram, W.N. (2007, October). Assessment of visual cognition in Fragile X using animal-based tasks. *Presented at the 13th International Workshop on Fragile X and X-Linked Mental Retardation, Venice, Italy.*
- Cornish, K.M.**, & Wilding, J. (2007, June). Visual search performance in children rated as good or poor attenders: the differential impact of genetics, IQ and chronological age. *17th Biennial Conference on Theoretical and Experimental Neuropsychology, Montreal, Quebec.*
- Bertone, A*, Hanck, J**, Faubert, J., & **Cornish, K.M.** (2007, June). Ventral and dorsal visual stream development as a function of information complexity. *17th Biennial Conference on Theoretical and Experimental Neuropsychology, Montreal, Quebec.*
- Cornish, K.M.**, Wilding, J., Hanck, J**, Ostfield, D**, Waxman, N**, & Daniel, K** (2007, May). Number Development in Children with Down Syndrome and Fragile X Syndrome: A Comparative Analysis. *131st Annual Meeting of the American Association of Intellectual and Developmental Disabilities, Atlanta, USA*
- Cornish, K.M.**, & Daniel, K** (2007, May). Defining the specificity of behavioral difficulties in children with cri-du-chat syndrome: the critical role of targeted intervention. *131st Annual Meeting of the American Association of Intellectual and Developmental Disabilities, Atlanta, USA.*
- Scerif, G**, **Cornish, K.M.** & Karmiloff-Smith, A. (2007, May). Early attentional and social profile in infants and toddlers with fragile X syndrome: Could developmental changes in low-level attentional and emotional processing impact on higher level social cognition? *Jean Piaget Society, 37th Annual Meeting, Amsterdam.*
- Ter-Stepanian, M**, Grizenko, N., **Cornish, K.M.**, Polotskaia, A., Robinson, S., & Joobar, R. (2007, May). Executive functioning in children diagnosed with ADHD: examining

DSM-IV subtypes. *American Psychological Association Annual Meeting, San Diego, USA.*

- Cornish, K.M.**, Hollis, C.P., & Savage, R. (2007, April). The DAT 1 association with ADHD behavior is mediated by reading ability in a general population sample. *2nd World Federation Societies of Biological psychiatry, Santiago, Chile.*
- Kogan, C., & **Cornish, K.M.** (2007, April). The psychiatric phenotype of fragile X pre-mutation carriers. *2nd World Federation Societies of Biological psychiatry, Santiago, Chile.*
- Reisinger, L.* & **Cornish, K.M.** (2007, March). Tracking the Cognitive and Executive Functions Profile of Children with Pragmatic Language Impairment and Children With Autism. *The Society for Research in Child Development Biennial meeting, Boston, USA.*
- Ter-Stepanian, M.,** **Cornish, K.M.**, Grizenko, N., Polotskaia, A., & Joobar, R (2007, March). The effect of methylphenidate on math performance during restricted academic situations. *The Society for Research in Child Development Biennial meeting, Boston, USA.*
- Rezazadeh, S**., **Cornish, K.M.**, & Oimet, T.*** (2007, March). Trajectory of inhibition and its association with reading. *The Society for Research in Child Development Biennial meeting, Boston, USA.*
- Hanck, J.** , **Cornish, K.M.**, & Banks, M****. (2007, March). The typical trajectory of attentional functioning: differential profiles for divided, focused, sustained and inhibitory attention. *Society for Research in Child Development Biennial meeting, Boston, USA.*
- Daniel, K**., Waxman, N**., Ostfield, D**., & **Cornish, K.M.** (2007, March). Learning to count and sequential responding in children with Fragile X syndrome, Down syndrome and typically developing children. *Society for Research in Child Development Biennial meeting, Boston, USA*
- Cornish, K.M.** (2008). Dopamine and child cognitive development: The differential impact of DAT1 on reading and inhibitory functions in children with ADHD symptoms. *International Journal of Psychology, 43 (2/3).*
- Zhao, Z., Shao, J., Xie, C., Wang, Y., Qin, Y., **Cornish, K.M.**, & Karmiloff-Smith, A. (2008). Visual search attention and executive function in Chinese children with Williams syndrome. *Pediatrics, 121: S148.*
- Williamson, M*., **Cornish, K.M.**, & Stefanatos, G. (2008). Deconstructing visuospatial cognition in early childhood, *Journal of Cognitive Neuroscience, F91 Suppl. S.*
- Reisinger, L.*. & **Cornish, K.M.**. (March, 2007). Tracking the pragmatic link. Poster presented at the *Society for Research in Child Development Conference, Boston, Massachusetts.* Won best “new research” poster award.
- Reisinger, L.*. & **Cornish, K.M.** (June, 2007). Tracking the social cognitive developmental pathway between two disorders. *Poster presented at the Canadian Psychological Association Conference, Ottawa, Ontario*
- Cornish, K.M.**, Turk, J., & Hagerman, R. (2007, October). Age dependent cognitive changes in Fragile X carrier males with and without FXTAS: evidence for diverging pathways. *Journal of Intellectual Disability Research, 51(9): 654.*

- Hanck, J*., **Cornish, K.M.**, & Scerif, G. (2007, September). The developmental attentional signatures in Fragile X syndrome. *Journal of Intellectual Disability Research*, 51(9): 654.
- Hanck, J*., Bertone, A**., Kogan, C., Chaudhuri, A., & **Cornish, K.M.**, (2007, September). Tracing the visual perceptual deficits in Fragile X boys. *Journal of Intellectual Disability Research*, 51(9): 655.
- Cornish, K.M.** (2007). The DAT1 association with ADHD associated behaviour is mediated by reading ability. *The World Journal of Biological Psychiatry*, 8, 169.
- Kogan, C., & **Cornish, K.M.**, (2007). Psychiatric features associated with the fragile X Mental Retardation 1 (FMR1) gene premutation condition. *The World Journal of Biological Psychiatry*, 8, 168.
- Cornish, K.M.**, Wilding, J., Burack, J., Ostfield, D.*, Waxman, N.*, & Daniel, K.* (2006). Learning to count and the role of sequential learning in typically developing children and children with Fragile X syndrome or Down syndrome: a neuroconstructivist perspective. *Journal of Cognitive Neuroscience*, F127 Suppl. S.
- Daniel, K., **Cornish, K.M.**, Reisinger, L.* , & De Stefano, J., (2006, May). Educating children with different developmental disabilities within an inclusive classroom: the role of genes and environment. *Poster presented at the American Association of Mental Retardation Conference, Montreal, QC*
- Hanck, J.** , **Cornish, K.M.**, Rochester, L.***, Chau, A.***, Yumang, M.***, & Lavigne, C.*** (2006). Typical trajectory of attentional functioning: differential profiles for selective attention, sustained attention and inhibitory attention. *Journal of Cognitive Neuroscience*, G32 Suppl. S.
- Roy, S.** , Jemel, B., Langer, C.***, Coutya, J.***, & **Cornish, K.M.** (2006). Face processing in children with fragile X syndrome: An ERP feasibility study. *Journal of Cognitive Neuroscience*, D5 Suppl. S.
- Reisinger, L.* , & **Cornish, K.M.** (2006). Similarities and differences in the language profile of children with pragmatic language impairment and children with autism. *Brain and Cognition*.
- Cornish, K.M.**, & Kogan, C. (2006, June). Trajectories of inhibitory control and selective working memory deficits in genetic disorders: the case of fragile X syndrome. *Canadian Society for Brain, Behaviour & Cognitive Science 16th Annual Meeting, Saskatoon, Saskatchewan, Canada*
- Rezazadeh, S**., & **Cornish, K.M.** (2006, June) The developmental trajectory of behavioral inhibition in typically developing young boys. *Behaviour & Cognitive Science 16th Annual Meeting, Saskatoon, Saskatchewan, Canada*
- Waxman, N**., **Cornish, K.M.**, Burack, J., Ostfield, D**., & Daniel, K**. (2006, June). Learning to count and sequential responding in typically developing boys. *Society for Brain, Behaviour & Cognitive Science 16th Annual Meeting, Saskatoon, Saskatchewan, Canada*.
- Cornish, K.M.**, & Daniel, K.** (2006, May). A survey of the health needs of adults with cri-du-chat syndrome. The International Summit for the Alliance on Social Inclusion, Montreal, Quebec.

- Daniel, K.**, **Cornish, K.M.**, Reisinger, L*., & DeStefano, J. (2006, May). Educating children with different developmental disabilities within an inclusive classroom: the role of genes and environment. *The International Summit for the Alliance on Social Inclusion, Montreal, Quebec.*
- Cornish, K.M.**, Wilding, J., Burack, J., Ostfield, D.**, Rahman, A.** Waxman, N.*, & Daniel, K.** (2006, April). Learning to count and the role of sequential learning in typically developing children and children with Fragile X syndrome or Down syndrome: a neuroconstructivist perspective. *Cognitive Neuroscience Meeting, San Francisco, CA.*
- Hanck, J.** **Cornish, K.M.**, Rochester, L.***, Chau, A.***, Yumang, M.***, & Lavigne, C.*** (2006, April). Typical trajectory of attentional functioning: differential profiles for selective attention, sustained attention and inhibitory attention. *Cognitive Neuroscience Meeting, San Francisco, CA.*
- Roy, S.**, Jemel, B., Langer, C.***, Coutya, J.***, & **Cornish, K.M.** (2006, April). Face processing in children with fragile X syndrome: An ERP feasibility study. *Cognitive Neuroscience Meeting, San Francisco, CA.*
- Ostfield, D.**, Hillgrove, J.***, Maragos, I.***, Waxman, N.**, & **Cornish, K.M.** (2005, November). The typical developmental trajectory of early number concepts: The relationship between approximate arithmetic and nonverbal intelligence across childhood. *Canadian Child Health Clinician Scientist Program, St. John's, Newfoundland.*
- Reisinger, L.*, & **Cornish, K.M.** (2005, June). Similarities and differences in the language profile of children with pragmatic language impairment and children with autism. *16th Annual Conference on Theoretical and Experimental Neuropsychology, Montreal, Quebec.*
- Reisinger, L.*, & **Cornish, K.M.** (2005, May). Delineating the social cognitive deficit in children with pragmatic language impairment and children with autism. *YAI National Institute for People with Disabilities Network, New York, NY.*
- Cornish, K.M.**, Zhao, Z., Fu, G., Shao, J., Hammond, P., Mill, D., Tassabehji, M., & Karmiloff-Smith, A. (2005, April). Cognitive-brain phenotyping in Chinese children with genetic disorders. *Cognitive Neuroscience Meeting, New York, NY.*
- Scerif, G.**, **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2005, April). Early attention difficulties in fragile X syndrome: Underlying mechanisms and developmental trajectories. *Cognitive Neuroscience Meeting, New York, NY.*
- Kogan, C., **Cornish, K.M.**, Zangenehpour, S., Bertone, A., Faubert, J., & Chaudhuri, A. (2005, April). Cortical visual impairments in fragile X syndrome. *Cognitive Neuroscience Meeting, New York, NY.*
- Cornish, K.M.** (2005, March). Pathways to understanding the social cognitive deficits in Fragile X syndrome: A preliminary ERP investigation. *Gatlinburg Conference on Research and Theory in Mental Retardation & Developmental Disabilities, Annapolis, MD.*
- Cornish, K.M.**, Lexin, L., & Jacquemont, S. (2005, March). Deconstructing the attention deficits in carrier males with the Fragile X premutation: The central role of inhibition. *Gatlinburg Conference on Research and Theory in Mental Retardation & Developmental Disabilities, Annapolis, MD.*

- Karmiloff-Smith, A., **Cornish, K.M.**, Hammond, P., Lee, K., Mills, D., Tassabehji, M., et al. (2005, March). Cognitive-brain phenotyping in Chinese children with genetic disorders. *Gatlinburg Conference on Research and Theory in Mental Retardation & Developmental Disabilities, Annapolis, MD.*
- Cornish, K.M.**, Zhao, Z., Fu, G., Shao, J., Hammond, P., Mill, D., Tassabehji, M., & Karmiloff-Smith, A. (2005). Cognitive-brain phenotyping in Chinese children with genetic disorders. *Journal of Cognitive Neuroscience, D85 Suppl. S.*
- Reisinger, L.* & **Cornish, K.M.** (May, 2005). Delineating the social cognitive deficit in children with Pragmatic Language Impairment and children with Autism. *Paper presented at YAI National Institute for People with Disabilities Network Conference, Manhattan, NY.*
- Reisinger, L.* & **Cornish K.M.** (June, 2005). Similarities and differences in the language profile of children with Pragmatic Language Impairment and children with Autism. Poster presented at *TENNET XVI Theoretical and Experimental Neuropsychology Conference, Montreal, QC.*
- Scerif, G.**, **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2005). Early attention difficulties in fragile X syndrome: Underlying mechanisms and developmental trajectories. *Journal of Cognitive Neuroscience, D18 Suppl. S.*
- Kogan, C., **Cornish, K.M.**, Zangenehpour, S., Bertone, A., Faubert, J., & Chaudhuri, A. (2005) Cortical visual impairments in fragile X syndrome. *Journal of Cognitive Neuroscience, D300 Suppl. S.*
- Cornish, K.M.**, Lexin, L., & Jacquemont, S. (2005). Deconstructing the attention deficits in carrier males with the Fragile X premutation: The central role of inhibition. *Proceedings of the 38th Annual Gatlinberg Conference, Annapolis, MD.*
- Karmiloff-Smith, A., **Cornish, K.M.**, Hammond, P., Lee, K., Mills, D., Tassabehji, M., et al. (2005). Cognitive-brain phenotyping in Chinese children with genetic disorders. *Proceedings of the 38th Annual Gatlinberg Conference, Annapolis, MD.*
- Cornish, K.M.**, & Wilding, J. (2005) . Visual search performance and attention ratings in a population based sample of school children: Is there a link between genes and behavior? *Brain and Cognition, 57, 278.*
- Cornish, K.M.**, Kogan, C., Turk, J., Dalton, A., Manly, T., et al. (2005). Is the Fragile X premutation without phenotypic effect: A molecular-neuropsychological perspective? *Brain and Cognition, 57, 279.*
- Morisano, D.**, **Cornish, K.M.**, & Jooper, R. (2005). Task attendance behaviors and the dopamine transporter gene in school-aged children. *Brain and Cognition, 57, 284.*
- Rahman, A.**, Levey, S.***, Archambault, K.***, Maragos, I.***, Roy, S.**, Ostfield, D.**, & **Cornish, K.M.**, (2005). Numerical processing in children with typical and atypical developmental pathways: A cross-syndrome perspective. *Brain and Cognition, 57, 285.*
- Wilding J., & **Cornish, K.M.**, (2005). The nature of cognitive deficits in Fragile-X syndrome: specific modules or general processing? *Neuroscience, 11, 1-6.*
- Cornish, K.M.**, (2004). Fragile X syndrome: From genotype to phenotype. *Journal of Cognitive Neuroscience, D1 Suppl. S.*

- Scerif, G.**, **Cornish, K.M.**, Campos, R., Elsabbagh, M., Whiting, B., Driver, J., & Karmiloff-Smith, A. (2004). To look or not to look? The control of saccades in typically developing infants and toddlers with Fragile X syndrome. *Journal of Cognitive Neuroscience*, D21 Suppl. S.
- Manly, T., Dobler, V. B., **Cornish, K.M.**, & George, M. A. (2004). Is ADHD associated with attentional 'neglect' of left space? *Journal of Cognitive Neuroscience*, D29 Suppl. S.
- Cornish, K.M.**, Swainson, R., Cunningham, R., Wilding, J., Morris, P., & Jackson, G. (2004). Do Fragile X women have problems in switching attention: Preliminary findings from ERP and fMRI. *Brain and Cognition*, 56, 116-127.
- Kogan, C., Boutet, I., **Cornish, K.M.**, Andermann, E., DerKaloustian, V., Holden, J., & Chaudhuri, A. (2004). Evidence for a transient channel visual deficit in Fragile X syndrome. (FXS). *Brain and Cognition*, 56, 116-127.
- Roy, S.**, Rahman, A.**, Ostfield, D.**, Levey, S.***, Archambault, K.***, & **Cornish, K.M.**, (2004). Fragile X premutation phenotypic effects and social cognition: A molecular-neuropsychological perspective? *Proceedings of the 9th International Fragile X Conference*, Washington, DC.
- Ostfield, D.**, Roy, S.**, Rahman, A.**, Archambault, K.***, Levey, S.***, Turk, J., & **Cornish, K.M.**, (2004). Attentional difficulties in male permutation carriers of Fragile X syndrome: A behavioral-neuropsychological perspective. *Proceedings of the 9th International Fragile X Conference*, Washington, DC.
- Rahman, A.**, Ostfield, D.**, Roy, S.**, Levey, S.***, Archambault, K.***, & **Cornish, K.M.**, (2004). Deconstructing the social cognitive deficit in children with Fragile X syndrome: A cross-syndrome perspective. *Proceedings of the 9th International Fragile X Conference*, Washington, DC.
- Levey, S.***, Rahman, A.**, Archambault, K.***, Roy, S.**, Ostfield, D.**, & **Cornish, K.M.**, (2004). Numerical processing in children with Fragile X syndrome. *Proceedings of the 9th International Fragile X Conference*, Washington, DC.
- Morisano, D.**, **Cornish, K.M.**, & Jooper, R. (2004, November). Attention-related behaviours in a non-clinical sample of school-aged children: Effects of genotype and gender. *McGill University Education Graduate Students' Society (EGSS) Annual Conference: Re-imagining Learning Space: Community, Creativity, Curriculum, Montreal, Quebec*.
- Morisano, D.**, **Cornish, K.M.**, & Jooper, R. (2004, October). Attention-related behaviors and the dopamine transporter gene in school-aged children. *34th Annual Meeting of the Society for Neuroscience, San Diego, CA*.
- Cornish, K.M.** (2004, June). Phenotype-genotyping of atypical Chinese children. *Fragile X State of the Science meeting, NIH, Washington, DC*.
- Cornish, K.M.** (2004, April). Fractionating the cognitive phenotype in Fragile X syndrome: A neurodevelopmental perspective. *Society for Cognitive Neuroscience, San Francisco, CA*.
- Scerif, G**, **Cornish, K.M.**, Campos, R., Elsabbagh, M., Whiting, B., Driver, J., et al. (2004, April). To look or not to look? The control of saccades in typically developing infants and toddlers with Fragile X syndrome. *Society for Cognitive Neuroscience, San Francisco, CA*.

- Manly, T., Dobler, V. B., **Cornish, K.M.**, & George, M. A. (2004, April). Is ADHD associated with attentional 'neglect' of left space? *Society for Cognitive Neuroscience, San Francisco, CA.*
- Cornish K.M.**, & Wilding, J. (2004, June). Visual search performance and attention ratings in a population based sample of school children: Is there a link between genes and behavior? *15th Annual Conference on Theoretical and Experimental Neuropsychology (TENNET XV), Montreal, Quebec.*
- Morisano, D.** , **Cornish, K.M.**, & Jooper, R. (2004, June). Task attendance behaviours and the dopamine transporter gene in school-aged children. *15th Annual Conference on Theoretical and Experimental Neuropsychology (TENNET XV), Montreal, Quebec.*
- Rahman, A.** , Levey, S.***, Archambault, K.***, Maragos, I.***, Roy, S.** , Ostfield, D.** , & **Cornish, K.M.** (2004, June). Numerical processing in children with typical and atypical developmental pathways: A cross-syndrome perspective. *15th Annual Conference on Theoretical and Experimental Neuropsychology (TENNET XV), Montreal, Quebec.*
- Kogan, C., Boutet, I., **Cornish, K.M.**, Andermann, E., DerKaloustian, V., Holden, J., & Chaudhuri, A. (2004, June). Evidence for a transient channel visual deficit in Fragile X syndrome. *15th Annual Conference on Theoretical and Experimental Neuropsychology (TENNET XV), Montreal, Quebec.*
- Roy, S.** , Rahman, A.** , Ostfield, D.** , Levey, S.***, Archambault, K.** , & **Cornish, K.M.** (2004, June). Fragile X premutation phenotypic effects and social cognition: A molecular-neuropsychological perspective? *9th International Fragile X Conference, Washington, DC.*
- Ostfield, D.** , Roy, S.** , Rahman, A.** , Archambault, K.***, Levey, S.***, Turk, J., & **Cornish, K.M.** (2004, June). Attentional difficulties in male permutation carriers of Fragile X syndrome: A behavioral-neuropsychological perspective. *9th International Fragile X Conference, Washington, DC.*
- Rahman, A.** , Ostfield, D**., Roy, S.** , Levey, S.,*** Archambault, K.,*** & **Cornish, K.M.** (2004, June). Deconstructing the social cognitive deficit in children with Fragile X syndrome: A cross-syndrome perspective. *9th International Fragile X Conference, Washington, DC.*
- Levey, S.***, Rahman, A**., Archambault, K.***, Roy, S., Ostfield, D**., & **Cornish, K.M.** (2004, June). Numerical processing in children with Fragile X syndrome. *9th International Fragile X Conference, Washington, DC.*
- Cornish, K.M.**, Turk, J., Mills, A., Manly, T., & Dalton, A. (2003, August). Social cognition deficits in carrier males with the Fragile X syndrome. *11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation, Cyprus.*
- Cornish, K.M.**, Turk, J., Mills, A., Manly, T., & Dalton, A. (2003, August). Tremor and gait in carrier males with the Fragile X syndrome. *11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation, Cyprus.*
- Cornish, K.M.**, Rahman, A.** , & Burack, J. (2003, August). Theory of mind deficits in carrier males with the Fragile X syndrome. *11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation, Cyprus.*
- Cornish, K.M.**, Manly, T., James, N., Mills, A., Hollis, C. P., & Turk, J. (2003, April). Differential impact of the FMR1 pre-mutation on working memory, inhibition and

- attention: A molecular-neuropsychological phenotype? *Society of Cognitive Neuroscience, New York, NY.*
- Dalton, A., Mills, A.C., James, N., Rigby, A., Manly, T., Hollis, C., Turk, J., & **Cornish, K.M.** (2003, September). Phenotypic effect of Fragile X premutations in males. *British Society of Human Genetics, York, UK.*
- Scerif, G.**, **Cornish, K.M.**, & Karmiloff-Smith, A. (2003, December). A typical development of attention in neurodevelopmental disorders: The case of toddlers with Fragile X syndrome. *Centre for Brain and Cognitive Development, Birkbeck College, London, UK.*
- Scerif, G.**, **Cornish, K.M.**, & Karmiloff-Smith, A. (2003, November). Genetic disorders and development: The case of early selective attention in Fragile X syndrome. *Annual Meeting of Swedish Developmental Psychologists, Stockholm, Sweden.*
- Scerif, G.**, **Cornish, K.M.**, & Karmiloff-Smith, A. (2003, November). Genetic disorders and development: The case of early selective attention in Fragile X syndrome. *Department of Human Communication Sciences, University College London, London, UK.*
- Scerif, G.**, **Cornish, K.M.**, & Karmiloff-Smith, A. (2003, September). Genes and development: The case of early selective attention in Fragile X syndrome. *Neil O'Connor Award in Developmental Disabilities Lecture, Annual Meeting of the British Psychological Society, Developmental Section, Coventry, UK.*
- Dalton, A., Mills, A., Rigby, A., Manly, T., Hollis, C., Turk, J., & **Cornish, K.M.**, (2003). *The neuropsychological phenotype of Fragile X premutation males.* *Journal of Medical Genetics*, 40, S49.
- Cornish, K.M.**, Manly, T., James, N., Mills, A., Hollis, C., & Turk, J. (2003). Differential impact of the FMR1 pre-mutation on working memory, inhibition and attention: A molecular-neuropsychological phenotype? *Journal of Cognitive Neuroscience*, D35 Suppl. S.
- Cornish, K.M.**, Turk, J., Mills, A., Manly, T., & Dalton, A. (2003). Social cognition deficits in carrier males with the Fragile X syndrome. *Proceedings of the 11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation*, Cyprus.
- Cornish, K.M.**, Turk, J., Mills, A., Manly, T., & Dalton, A. (2003). Tremor and gait in carrier males with the Fragile X syndrome. *Proceedings of the 11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation*, Cyprus.
- Cornish, K.M.**, Rahman, A.**, & Burack, J. (2003). Theory of mind deficits in carrier males with the Fragile X syndrome. *Proceedings of the 11th International Workshop on Fragile X Syndrome and X-linked Mental Retardation*, Cyprus.
- Cornish, K.M.**, Manly, T., James, N., Mills, A., Hollis, C. P., & Turk, J. (2003). Differential impact of the FMR1 pre-mutation on working memory, inhibition and attention: A molecular-neuropsychological phenotype? *Journal of Cognitive Neuroscience*, D57 Suppl.
- Cornish, K.M.**, Hollis, C., Dobler, V., Manly, T., Grant, C.*, & Kay, C **. (2002). Evidence for anomalous lateralization in ADHD subtypes. *Archives of Clinical Neuropsychology*, 17(8), 788.

- Scerif, G.**, Wilding, J., **Cornish, K.M.**, Driver, J., Humphreys, K., & Karmiloff-Smith, A. (2002). Executive control in visual search for multiple targets in toddlers with Fragile X syndrome. *Journal of Cognitive Neuroscience*, B33 Suppl. S.
- Scerif, G.**, **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2002). Visual selective attention in toddlers with Fragile X syndrome. *Journal of Cognitive Neuroscience*, B34, Suppl. S.
- Cornish, K.M.**, Brodie, S.**, Turk, J., Mills, A.C., Manly, T., & Dalton, A. (2002). Attention switching and inhibition in adult males with a premutation in the Fragile X syndrome. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Cornish, K.M.**, Brodie, S.**, Turk, J., Mills, A.C., Manly, T., & Dalton, A. (2002). Working Memory in Adult Males with a Premutation for the Fragile X syndrome. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Cornish, K.M.**, Jacquemont, S., & Hagerman, R. (2002). Laterality and vestibular functioning in adult males with the Fragile X premutation. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Cornish, K.M.**, Jackson, G., Brodie, S**., Swainson, R., & Jackson, S. (2002). Do Fragile X women have problems switching attention: Preliminary findings from ERP and fMRI. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Scerif, G.**, **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2002). Endogenously- and exogenously-driven attention in infants with Fragile X syndrome. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Scerif, G.**, **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2002). Visual selective attention in toddlers with Fragile X syndrome. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Mills, A., Turk, J., **Cornish, K.M.**, Brodie, S.**, Dalton, A., Manly, T., & Hollis, C.P. (2002). ADHD phenotypic expression in Fragile X permutation male. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Mills, A., Turk, J., **Cornish, K.M.**, Brodie, S**., Dalton, A., Manly, T., & Hollis, C.P. (2002). Social functioning in male permutation carriers of Fragile X syndrome. *Proceedings of the 8th International Fragile X Conference*, Chicago, IL.
- Scerif, G.**, Wilding, J., **Cornish, K.M.**, et al. (2002, April). Visual selective attention in toddlers with Fragile X syndrome. *Society of Cognitive Neuroscience, San Francisco, CA*.
- Cornish, K.M.**, & Hollis, C.P. (2002, April). Attention deficits and the DAT1 genotype. *Molecular Genetics Network on ADHD Annual Scientific Meeting, Dublin, Ireland*.
- Cornish, K.M.**, Standen, P. J., Ferguson, E., Pearce, L.***, Slote, N.***, Fisher, M.***, & Collins, M. (2002, April). The pattern of self-injury and other challenging behaviours in children with Cri-du-Chat syndrome. *IASSID European Congress on Intellectual Disabilities, Dublin, Ireland*.
- Cornish, K.M.**, Cerruti, P., Mainardi, P., Ferguson, E.**, Darpi, C., Alessi, D., et al. (2002, April). Communication, stereotypy and social interaction skills in children with Cri-du-Chat syndrome: A UK and Italian perspective. *IASSID European Congress on Intellectual Disabilities, Dublin, Ireland*.

- Cornish, K.M.**, Cerruti, P., Mainardi, P., Ferguson, E**, Darpi, C., Alessi, D., et al. (2002, April). Familial stress and coping in families of children with Cri-du-Chat syndrome: A UK and Italian perspective. *IASSID European Congress on Intellectual Disabilities, Dublin, Ireland.*
- Cornish, K.M.**, Ferguson, E., Standen, P., Pearce, L.***, Slote, N.***, Fisher, M.***, & Collins, M. (2002, November). The pattern of self injury and other challenging behaviours in children with Cri-du-Chat syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes, Vancouver, British Columbia.*
- Cornish, K.M.**, Ferguson, E.** , Standen, P., & Collins, M. (2002, Novemeber). Parental reports of sleep problems in Cri-du-Chat syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes, Vancouver, British Columbia.*
- Scerif, G.** , **Cornish, K.M.**, & Karmiloff-Smith, A. (2002, May). Selective attention in toddlers with Fragile X syndrome. *Institute of Psychiatry, King's College, London, UK.*
- Cornish, K.M.**, McManus, I. C., Cross, G., & Sutherland, L. (2002, July). ApoE and anomalous lateralisation in Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Cornish, K.M.**, Brodie, S.** , Turk, J., Mills, A., Manly, T., & Dalton, A. (2002, July). Working memory in adult males with a permutation for the Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Cornish, K.M.**, Brodie, S.** , Turk, J., Mills, A., Manly, T., & Dalton A. (2002, July). Attentional switching and inhibition in adult males with a permutation in the Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Cornish, K.M.**, Jackson, G., Brodie, S.** , Swainson, R., & Jackson, S. (2002, July). Do Fragile X women have problems switching attention: Preliminary findings from ERP and fMRI. *8th International Fragile X Conference, Chicago, IL.*
- Scerif, G.** , **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2002, July). Endogenously-and exogenously-driven attention in infants with Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Scerif, G.** , **Cornish, K.M.**, Wilding, J., Driver, J., & Karmiloff-Smith, A. (2002, July). Visual selective attention in toddlers with Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Mills, A., Turk, J., **Cornish, K.M.**, Brodie, S.** , Dalton, A., Manly, T., & Hollis, C. P. (2002, July). ADHD phenotypic expression in Fragile X permutation males. *8th International Fragile X Conference, Chicago, IL.*
- Mills, A., Turk, J., **Cornish, K.M.**, Brodie, S.** , Dalton, A., Manly, T., & Hollis, C. P. (2002, July). Social functioning in male permutation carriers of Fragile X syndrome. *8th International Fragile X Conference, Chicago, IL.*
- Cornish, K.M.**, Hollis, C., & Slaveska, K. (2001, June). Working memory and attention processing in children with ADHD: The impact of methylphenidate. *10th Scientific Meeting of the International Society for Research in Child and Adolescent psychopathology (ISRCAP), Vancouver, British Columbia.*
- Scerif, G.** , **Cornish, K.M.**, & Karmiloff-Smith, A. (2001, September). Early development of attention in Fragile X Syndrome. *RIKEN, Brain Science Institute, Saitama, Japan.*

- Cornish, K.M.**, Wilding, J., & Munir, F.** (2001, November). Further delineation of the attention deficit in Fragile X syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes (SSBP), Oxford, UK.*
- Collins, M. S. R., Simpson, E., McNulty, H., Standen, P., & **Cornish, K.M.** (2001, November). Full blood count and clinical chemistry assays in Cri-du-Chat syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes, Oxford, UK.*
- Collins, M. S. R., Beckett, S., McNulty, H., Standen, P., & **Cornish, K.M.** (2001, November). The DAT1 gene and Cri-du-Chat syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes, Oxford, UK.*
- Collins, M. S. R., McNulty, H., Strain, S., Thurnham, D., Standen, P., & **Cornish, K.M.** (2001, November). Folate and B12 metabolism in Cri-du-Chat syndrome. *7th International Symposium, Society for the Study of Behavioural Phenotypes, Oxford, UK.*
- Cornish, K.M.**, Hollis, C., & Slaveska, K. (2001). Working memory and attention processing in children with ADHD: The impact of methylphenidate. *Journal of Abnormal Child Psychology, 10*, A31.
- Cornish, K.M.**, Munir, F.** (2000). Profile of memory and attention problems in adults with Fragile X syndrome: Clinical and educational implications. *Journal of Intellectual Disability Research, 44*, 242.
- Cornish, K.M.**, Munir, F.**, & Wilding, J. (2000). A neuropsychological profile of attention and hyperactivity in boys with Fragile X syndrome: Implications for clinical intervention. *Journal of Intellectual Disability, 44*, 256.
- Cornish, K.M.**, Park, B., Peters, A., & Morris, P. (2000). Identifying molecular-brain-behaviour correlates in females with the FMR-1 full-mutation: A functional neuroimaging study. *Journal of Intellectual Disability Research, 44*, 247.
- Cornish, K.M.**, Park, B., Peters, A., & Morris, P. (2000). Identifying molecular-brain-behaviour correlates in females with the FMR-1 full mutation: A neuropsychological-fMRI study. *Journal of Child Neurology, 15*, 618.
- Cornish, K.M.**, Munir, F.**, & Cross, G. (2000). Differential impact of the FMR-1 full mutation on neuropsychological functioning in adulthood: A molecular-neuropsychological phenotype? *Proceedings of the 7th International Fragile X Conference, Los Angeles, CA.*
- Cornish, K.M.**, Park, B., Peters, A., & Morris, P. (2000). Identifying molecular-behaviour-brain correlates in females with the FMR-1 full-mutation. *Proceedings of the 7th International Fragile X Conference, Los Angeles, CA.*
- Cornish, K.M.**, Munir, F.**, & Wilding, J. (2000). Teacher assessments of behaviour problems in Fragile X syndrome: General or specific? *Proceedings of the 7th International Fragile X Conference, Los Angeles, CA.*
- Cornish, K.M.**, (1998). Do anomalies of handedness exist in Fragile-X syndrome? *Proceedings from the 6th International Fragile-X Syndrome Conference, Ashville, TE.*
- Cornish, K.M.**, & Cross, G. (1998). Emotion and face perception in males with Fragile-X syndrome. *Proceedings from the 6th International Fragile-X Syndrome Conference, Ashville, TE.*

Cornish, K.M., & Cross, G. (1988). Molecular-cognitive correlations in females with Fragile-X syndrome. *Proceedings from the 6th International Fragile-X Syndrome Conference*, Ashville, TE.

Invited Conference Keynote Addresses, Workshops & Symposia: Scientific

Cornish, K.M. (2013, October) *Brains, Genes and Developmental Disorders*. Institute for Mind and Brain, University of South Carolina, USA.

Cornish, K, M. (2013, October) *Brains + Mind: Gender matters*. Festival of Ideas, The University of Melbourne, Victoria, Australia.

Cornish, K.M. (2013, September) *Carriers of fragile X syndrome*. Fragile X Association Annual Meeting, Birmingham, UK.

Cornish, K.M. (2013, May) *When size matters: the complex and intriguing world of genes and cognition*, The University of Melbourne, Melbourne Victoria.

Cornish, K.M. (2012, July) *When size matters: the complex and intriguing world of genes and cognition*, Experimental Psychology Society. Bristol, England.

Cornish, K.M. (2012, April) *When size matters: the complex world of the fragile X gene and its developmental phenotypes*. CCD Seminar Series, Macquarie University, NSW.

Cornish, K.M. (2012, March) *When being "fragile" takes on a whole new meaning: the complex journey between genes and behaviour*. Jocelyn Wale Seminar, James Cook University, Cairns, Qld.

Cornish, K.M. (2012, February) *Stories from the Field*. Academic Heads Leadership Induction, Monash University

Cornish, K.M. (2011, Sept) *Genes, Brains and Developmental Disorders*. Frontiers in Neurogenetics and Brain Imaging Symposium, Monash Biomedical Imaging, Monash University, Melbourne, Aust.

Cornish, K.M. (2011, October) *Does gender matter in neurodevelopmental disorders*. APS Conference, Canberra, Australia.

Cornish, K.M., (2011, July) *Tracing developmental trajectories of attention deficits in childhood neurogenetic disorders*. Paediatric Satellite Symposium, Auckland, NZ

Cornish, K.M. (2010, October) *The different types of developmental disabilities and clarifying professional jargons. Understanding the milestones. Redefining team approach in early detection and intervention of developmental disabilities*. Monash University, Selangor Dural Ehsan, Malaysia

Cornish, K.M., (2010, March) *Are neurobehavioral impairments associated with FMR1 gene expansion in carrier males? Exploring divergent pathways across the Fragile X continuum*. University of Birmingham, UK.

Cornish, K.M. (2010, March) *When being "fragile" takes on a whole new meaning: the complex journey between genes and behaviour*. Institute of Neuroscience, University of Newcastle, UK

Cornish, K.M., (2008, November). *Lifespan changes in cognition in fragile X premutation males with and without Fragile X Associated Tremor/Ataxia Syndrome (FXTAS)*.

- Neurosciences Victoria Seminar Series, Howard Florey Research Institute, Melbourne, Australia.
- Cornish, K.M.**, (2008, October). *Relatives of children with Fragile X syndrome: merely carriers or subtle cognitive impairments?* Centre for Brain & Cognitive Development Winter/Spring Series, Birkbeck, University of London, UK.
- Cornish, K.M.**, (2008, September). *The Fragile X continuum: new advances and implications for clinical and educational interventions.* Health and Wellbeing in Developmental Disabilities, Vancouver, British Columbia, Canada.
- Cornish, K.M.** (2008, July) *Dopamine and child cognitive development: The differential impact of DAT1 on reading and inhibitory functions in children with ADHD symptoms* XXIX International Congress of Psychology, Berlin, Germany.
- Cornish K.M.** (2008, June) *Typical and atypical developmental trajectories of attention and perceptual functions.* Invited symposium of my research contributions to the Annual Meeting of Theoretical & Experimental Neuropsychology, Waterloo, Canada.
- Cornish, K.M.** (2008, April). *Exploding the myths of developmental disorders.* Human Development and Applied Psychology, OISE/University of Toronto Colloquia Series, Toronto, Canada.
- Cornish, K.M.** (2008, April). When being fragile takes on a whole new meaning. Mini PsychED seminar series. McGill University, Canada (later televised on national TV).
- Cornish K.M.** (2008, April). *Attention and Fragile X syndrome.* Congrès 2008 de X fragile – Europe, Turin, Italy.
- Cornish K.M.** (2008, April). *Building links in our understanding of developmental disabilities: the critical role of educators and parent partnerships.* University of Mons-Hainaut, Belgium.
- Cornish K.M.** (2008, April). *Defining the syndrome-specific profiles and trajectories of children with differing developmental disabilities: the case of fragile X syndrome and autism.* University of Liège, Belgium.
- Cornish, K.M.** (2008, March). *Genes, brains and developmental disorders.* The Cutting Edge Royal Society Lectures in Science. McGill University, Montreal, Canada.
- Cornish, K.M.**, Scerif, G., Wilding, J., & Burack, J., & Karmiloff-Smith, A (2007, October). *The importance of tracing syndrome-specific attention signatures across the lifespan: the case of Down syndrome.* Down Syndrome Research Directions 2007 Symposium, Portsmouth, UK.
- Cornish, K.M.** (2007, September). *Explorando fronteras: Vinculando Neurociencia, Psicología y Educación para comprender el desarrollo típico y atípico.* Invited lecture. IV Colloquia Internacional Psicología Educativa, Monterrey, Mexico.
- Cornish, K.M.** (2007, September) *Developing effective tools to promote learning in children with ADHD in the classroom and home.* Invited Workshop. IV Colloquia Internacional Psicología Educativa, Monterrey, Mexico.
- Cornish, K.M.** (2006, May). *The DAT 1 association with ADHD behavior is mediated by reading ability in a general population sample.* 2nd Spring Conference. Child Developmental Research Group, Montréal.
- Cornish, K.M.** (2006, January). *Does the Fragile X pre-mutation predict phenotypic outcomes in males?* Department of Human Genetics, Emory University, Atlanta, USA.

- Cornish, K.M.** (2005, December). *Self-injury in genetic disorders: an example from cri-du-chat syndrome*. Meeting of the Intellectual Disability Forum, Royal School of Medicine, London, UK.
- Cornish, K.M.** (2005, November). *The DAT 1 – ADHD association is mediated by reading ability in a general population sample*. ADHD Genetic Network Meeting, Miami, USA.
- Cornish, K.M.** (2005, April). *The importance of charting the developmental pathways in neurodevelopment disorders*. Child Development Research Group, Montréal Children's Hospital, Inaugural Conference, Montreal, Quebec.
- Cornish, K.M.** (2004, November). *Visual Processing Deficits in the Fragile X Syndrome*. Invited presentation to the Psychology Faculty, University of Oxford, UK.
- Cornish, K.M.** (2004, June). *Cognitive-Brain Phenotyping in Atypical Chinese Children*. Invited presentation to the Fragile X State of the Science Meeting, National Institutes of Health (NIH), Washington, DC.
- Cornish, K.M.** (2004, June). *Attention and Concentration Problems in Fragile X syndrome*. Symposium chair and discussant, at the National Fragile X Foundation 9th International Fragile X Syndrome Meeting, Washington, DC.
- Cornish, K.M.** (2004, June). *Psychological implications of the female carrier*. Symposium chair and discussant, at the National Fragile X Foundation 9th International Fragile X Syndrome Meeting, Washington, DC.
- Cornish, K.M.** (2004, June). *Psychophysiological processing in young children with fragile X*. Symposium panel, at the National Fragile X Foundation 9th International Fragile X Syndrome Meeting, Washington, DC.
- Cornish, K.M.** (2004, June). *FXTAS Update for Families: Q&A*. Symposium panel, at the National Fragile X Foundation 9th International Fragile X Syndrome Meeting, Washington, DC.
- Cornish, K.M.** (2004, April). *The role of cognitive neuroscience in understanding atypical pathways: examples from Fragile X syndrome*. Invited Killam Lecture, Montreal Neurological Institute, McGill University, Montreal, Quebec.
- Cornish, K.M.** (2004, April). *Linking genes to behavior in Fragile X syndrome: A neurodevelopmental perspective*. Paper presentation and chair in symposium entitled 'The role of cognitive neuroscience in understanding atypical developmental pathways'. Cognitive Neuroscience Meeting, San Francisco, CA.
- Cornish, K.M.** (2004, January). *Fragile X syndrome: advances in knowledge*. Invited lecture to the Medical Faculty of Zhejiang Children's Hospital, Hang Zhou, Shanghai, China.
- Cornish, K.M.** (2003, December). *Fragile X syndrome: from genes to behaviour*. Invited lecture to the Child Psychiatry Network, MIND Institute, UC Davis, Sacramento, CA.
- Cornish, K.M.** (2002, July). *Behavioural and psychological aspects of infant development in fragile X*. Symposium chair and discussant, at the National Fragile X Foundation 8th International Fragile X Syndrome Meeting, Chicago, IL.
- Cornish, K.M.** (2002, July). *Neuropsychological functioning in females with fragile X*. Symposium chair and discussant, at the National Fragile X Foundation 8th International Fragile X Syndrome Meeting, Chicago, IL.

- Cornish, K.M.** (2002, June). *The pattern of self-injury and other challenging behaviours in children with cri-du-chat syndrome*. Invited paper presentation in symposium entitled 'Self injury in genetic disorders' at the IASSID European Congress on Intellectual Disabilities, Dublin, Ireland.
- Cornish, K.M., & Hollis, C. P.** (2002, April). *The Nottinghamshire Attention and Hyperactivity Study (NOAH)*. Invited paper at the Molecular Genetics Network on ADHD Annual Scientific Meeting, Dublin, Ireland.
- Hollis C. P., & **Cornish, K.M.** (2001, November). *The effects of methylphenidate on working memory and executive functioning in children with ADHD*. Invited paper at the European Network on Hyperactivity Scientific Meeting, Oslo, Norway.
- Cornish, K.M.** (2001, November). *Understanding the cognitive/behavioural strengths and difficulties in fragile X boys and girls: Treatment and remedies*. Invited presentation at the Interdisciplinary Symposium on Fragile X Syndrome, Barcelona, Spain.
- Cornish, K.M.** (2001, May). *Language and communication in cri-du-chat syndrome*. Invited presentation to a symposium entitled 'Genetics and Language Development – A Multidisciplinary Approach', Oslo, Norway.
- Cornish, K.M.** (2001, May). *Language development in fragile X syndrome*. Invited presentation to a symposium entitled 'Genetics and Language Development – A Multidisciplinary Approach', Oslo, Norway.
- Cornish, K.M.** (2000, August). *Cri-du-Chat syndrome: Towards a behavioural phenotype*. 11th IASSID World Congress, 2000, Seattle, WA.
- Cornish, K.M., & Munir, F.**** (2000, August). *Profile of memory and attention problems in adults with Fragile X syndrome: Clinical and educational implications*. 11th IASSID World Congress, Seattle, WA.
- Cornish, K.M., Munir, F.****, & Wilding, J. (2000, August). *A neuropsychological profile of attention and hyperactivity in boys with Fragile X syndrome: Implications for clinical intervention*. 11th IASSID World Congress, Seattle, WA.
- Cornish, K.M., Park, B., Peters, A., & Morris, P.** (2000, August). *Identifying molecular-brain-behaviour correlates in females with the FMR-1 full-mutation: A functional neuroimaging study*. 11th IASSID World Congress, Seattle, WA.
- Cornish, K.M., Munir, F.****, & Cross, G. (2000, July). *Differential impact of the FMR-1 full mutation on neuropsychological functioning in adulthood: A molecular-neuropsychological phenotype?* 7th International Fragile X Conference, Los Angeles, CA.
- Cornish, K.M., Park, B., Peters, A., & Morris, P.** (2000, July). *Identifying molecular-behaviour-brain correlates in females with the FMR-1 full-mutation*. 7th International Fragile X Conference, Los Angeles, CA.
- Cornish, K.M., Munir, F.****, & Wilding, J. (2000, July). *Teacher assessments of behaviour problems in Fragile X syndrome: General or specific?* 7th International Fragile X Conference, Los Angeles, CA.
- Cornish, K.M., Park, B., Peters, A., & Morris, P.** (2000, September). *Identifying molecular-brain-behaviour correlates in females with the FMR-1 full mutation: A neuropsychological-fMRI study*. 6th International Symposium, Society for the Study of Behavioural Phenotypes, Venice, Italy.

- Cornish, K.M.** (2000, November). *The relationship between neuropsychology and genetics: Lessons from Fragile X syndrome and other genetic disorders*. British Neuropsychological Society, Nottingham, UK.
- Walker, D. M.** Hollis, C., **Cornish, K.M.**, Slaveska, K., Jones, P. B., & Cawthawn, P. (2000, February). *Epidemiology of Childhood Psychosis Study: EPIC*. 10th Biannual Schizophrenia Winter Workshop Epidemiology of Psychosis in Childhood (EPIC), Davos, Switzerland.
- Cornish, K.M.** (2000, September). *Neuropsychological advances in fragile X syndrome*. Invited presentation to the Neurocognitive Development Unit, Institute of Child Health, University of London, UK.
- Cornish, K.M.** (2000, May). *Cri-du-chat syndrome: from genotype to phenotype*. Invited presentation to Royal Society of Medicine Learning Disability Forum, London, UK.
- Cornish, K.M.** (1999, April). *Fragile X syndrome: genetic and cognitive correlates*. Invited presentation to Clinical and Molecular Genetic Society (CMGS) Spring Conference, Nottingham, UK.
- Cornish, K.M.**, & Munir, F.** (1998, April). *Psychosocial aspects of counselling females with Fragile X syndrome*. European Meeting of Psychosocial Aspects of Genetics, Paris, France.
- Cornish, K.M.**, Munir, F.**, & Wilding, J. (1998, July). *Patterns of attention deficit in Fragile X syndrome: A neuropsychological perspective*. 6th International Fragile X Conference, Asheville, NC.
- Cornish, K.M.**, Munir, F.**, & Wilding, J. (1998, July). *A unique pattern of working memory deficits in Fragile X syndrome*. 6th International Fragile X Conference, Asheville, NC.
- Cornish, K.M.**, Munir, F.**, & Turk, J. (1998, July). *Theory of mind in Fragile X syndrome: A neuropsychological perspective*. 6th International Fragile X Conference, Asheville, NC.
- Munir, F.**, & **Cornish, K.M.** (1997, March). *Is there a similar attention and behaviour pattern in two distinct behavioural phenotypes: Fragile X syndrome and Downs syndrome*. 1st European Conference of Attention Deficit Disorder and Hyperactivity, Oxford, UK.
- Cornish, K.M.**, Green, A., & Cross, G. (1997, November). *Defining the cognitive phenotype in Cri-du-Chat syndrome: The importance of careful characterisation of a 5p deletion before clinical predictions is made*. Annual Scientific meeting of the Society for the Study of Behavioural Phenotypes (SSBP), Cambridge, UK.
- Cornish, K.M.**, & Cross, G. (1996, November). *Is there evidence of a specific non-verbal learning deficit in young females with Fragile X syndrome: Relationship between age, intellectual level and molecular characteristics of the FMR1 full mutation?* Annual Scientific meeting of the Society for the Study of Behavioural Phenotypes (SSBP), Dublin, Ireland.
- Cornish, K.M.**, & Cross, G. (1996, November). *Developmental and behavioural profile of children with in Cri-du-Chat syndrome*. Annual Scientific meeting of the Society for the Study of Behavioural Phenotypes (SSBP), Dublin, Ireland.

Cornish, K.M. (1996, July). *Do anomalies of handedness exist in Fragile X syndrome?* 5th International Fragile X Syndrome Conference, Portland, Oregon.

Cornish, K.M., & Cross, G. (1996, July). *Emotion and face perception in males with Fragile X syndrome.* Fifth International Fragile X Syndrome Conference, Portland, Oregon.

Cornish, K.M., & Cross, G. (1996, July). *Molecular-cognitive correlations in females with Fragile X syndrome.* Fifth International Fragile X Syndrome Conference, Portland, Oregon.

Non-Peer-Review Dissemination of Research Findings

These publications were written for the public domain to provide parents, clinical professionals and teachers with a profile of the current research findings in order to maximise a child's academic and social potential.

Cornish, K.M., (2011) ADHD, autism or something else entirely? *The Conversation.*

Cornish, K.M. (2011) The Fragile X story. *Medindia, India.*

Cornish, K.M. (2011) The Fragile X story. *Top News USA*

Cornish, K.M. (2011) The Fragile X story. *Top News Arab Emirates*

Cornish, K.M. (2011) The Fragile X story. *Visit Bulgaria*

Cornish, K.M. (2011) Fragile X article. *Physical as Anything, The Children's Hospital, Westmead, NSW.*

Cornish, K.M. (2008). Understanding the Fragile X pre-mutation and its association with cognitive difficulties in adulthood. *Fragile X Society Publications/ The Wellcome Trust, UK.*

Cornish, K.M. (2006) What is so fragile about Fragile X syndrome? *Exceptional Family Magazine, Montreal.*

Cornish, K.M. (2004, June 17). Fragile X syndrome. *The Globe and Mail.*

Cornish, K.M. (2004). Does the Fragile X pre-mutation have any cognitive or behavioural effects in adult men? *Fragile X Society Research Supplement, Newsletter.* Issue no. 31.

Cornish, K.M. (2004, March). Fragile X syndrome. *Gazette, Montréal, Canada.*

Cornish, K.M. (2003, October). Interview on Fragile X syndrome. *Duggan House, McGill University: CBC News.*

Cornish, K.M., Bramble, D., & Collins, M. (2003). Cri-du-Chat syndrome: A handbook for parents and professionals, 2nd ed. *Cri-du-Chat Support Group.*

Cornish, K.M. (2002). Cognitive and behavior profiles in girls with Fragile X Syndrome. *Fragile X Society Research Supplement, Newsletter.* Issue no. 28.

Cornish, K.M., Bramble, D., & Collins, M. (2001). Cri-du-Chat syndrome: A handbook for parents and professionals (1st ed.). *Cri-du-Chat Support Group.*

Cornish, K.M. (2001). Cri-du-Chat syndrome. *Society for the Study of Behavioural Phenotypes. Information sheets for professionals. University of Cambridge, United Kingdom.*

Turk, J., **Cornish, K.M.** (2001). Fragile X Syndrome. *Society for the Study of Behavioural Phenotypes. Information sheets for professionals. University of Cambridge, United Kingdom.*

Cornish, K.M. (2001). Cri-du-Chat Syndrome. Index of Specific Conditions and Rare Disorders. *Contact A Family (CAF) Directory, London, United Kingdom.*

Cornish, K.M. (2000). Neuropsychological Patterns of Fragile X Syndrome. *Fragile X Society Research Supplement. Newsletter, Issue no. 22.*

Munir, F., & **Cornish, K.M.** (1999). Cognitive profile of attention deficit in boys with Fragile X Syndrome. *Fragile X Society Research Supplement, Newsletter. Issue no. 18.*

Cornish, K.M. (1996). Relationship between intellectual ability, chronological age and molecular characteristics in males and females with Fragile X syndrome. *Fragile X Society Research Supplement, Newsletter. Issue no. 12.*

Cornish, K.M. (1996). Behaviour in young and older males and females with Fragile X syndrome. *Fragile X Society Research Supplement, Newsletter. Issue no. 12.*

Invited Conferences & Symposia: Educators and Parents

Cornish, K.M. (Sept 2013) – *Latest female premutation research and implications (carrier issues)*, Annual General Meeting and National Family Conference, Birmingham, UK.

Cornish, K.M. (Nov 2011) *Unravelling the Paradox of Autism: A Conference for professionals and parents*, Monash University, Sunway Campus, Malaysia.

Cornish, K.M. (October, 2008). Translating research and practice to developmental disabilities: the case of fragile X syndrome and autism. *Learning Centre for Autism and Developmental Disability Abe Gold Learning and Research Centre. Montreal, Canada*

Cornish, K.M. (February, 2008). Recognizing and managing developmental disabilities in inclusive classrooms. *Workshop for in-service Integration Aides and Special Education Technicians. Lester B. Pearson Professional Day, Dorval, Montreal, Canada*

Cornish, K.M. (October, 2007). The fragile X premutation: new advances in knowledge. *The UK Fragile X Society Annual Conference, Birmingham, UK*

Cornish, K.M. (June, 2007). Fragile X syndrome: recent developments and advances. *The West Montreal Readaptation Centre, Montreal.*

Cornish, K.M. (2006, March) Fragile X Syndrome and other developmental disorders. *Annual Meeting of the Learning Disability Association of Quebec, Montreal, Quebec*

Cornish, K.M. (2005, July). A survey of the health needs of adults with cri-du-chat syndrome. Invited talk to the 5p Minus (cri-du-chat syndrome). *Annual Conference for Families and Professionals, Philadelphia, US.*

Cornish, K.M. (2005, May). Étude sur les habiletés numériques et arithmétiques et sur l'apprentissage séquentiel chez les élèves au développement régulier. *Invited presentation to the l'École St-André Apôtre, Montreal, Quebec.*

Cornish, K.M. (April, 2005). Deconstructing the developmental pathways of children from atypical populations: examples from Fragile X syndrome, *Williams syndrome and*

Down syndrome. Invited lecture to the Psychology students at Champlain College, South Shore, Montreal, Quebec.

Cornish, K.M. (April, 2005). Recognizing the unique educational needs of children with different developmental disorders: The case of Fragile X Syndrome and Autism. *Invited talk to the Symposium on Inclusive Education Services, Center of Excellence for the Physically, Intellectually and Multi-Challenged, Eastern Township School Board (ETSB), Orford.*

Cornish, K.M. (February, 2005). Educating children with fragile X syndrome. *Invited talk to the Lester B Pearson School Board in-service training day (LINK), Dorval, Montréal, Quebec.*

Cornish, K.M. (2004, August). Cri-du-chat syndrome. *Invited talk to the 5p Minus (cri-du-chat syndrome) Annual Conference for Families and Professionals, Philadelphia, PA.*

Cornish, K.M. (2003, June). Problem behaviours in children with cri-du-chat syndrome. *Invited presentation to the Annual Conference of the Cri-du-Chat Parent Support Group, Leicester, UK.*

Cornish, K.M. (November, 2003). Do Fragile X premutation have any cognitive or behavioural effects in adult men? *Invited talk to the Fragile Syndrome Annual Parents Conference, Birmingham, UK.*

Cornish, K.M. (June, 2002). Cognitive and behavior profiles in girls with Fragile X Syndrome. *Invited talk to the Fragile Syndrome Annual Parents Conference, Birmingham, UK.*

Cornish, K.M. (April, 2001). Early speech and language development in children with cri-du-chat syndrome. *Scandinavian Cri-du-Chat Annual Meeting, Oslo, Norway.*

Cornish, K.M. (2001, May). Speech and language in children with cri-du-chat syndrome. *Invited talk to the Associazione Bambini Cri-du-Chat, Florence, Italy.*

Cornish, K.M. (2000, November). Self injury in children with cri-du-chat syndrome. *Invited talk to the Associazione Bambini Cri-du-Chat, Naples, Italy.*

Cornish, K.M. (1998, April). Neuropsychological profiles of fragile X syndrome: the Nottingham Study. *Invited talk to the Fragile Syndrome Annual Parents Conference, Birmingham, UK.*

Cornish, K.M. (1998, September). Self-injurious behaviour and aggression in children with cri-du-chat syndrome. *Invited presentation to the Annual Conference of the Cri-du-Chat Parent Support Group, invited talk at the Cri-du-Chat Syndrome Association Annual Conference, Warrington, UK.*

Professional Editorial and Advisory Board Membership

- American Journal of Intellectual and Developmental Disabilities
- Journal of Intellectual Disabilities Research
- College of Reviewers, Canada Research Chair Program
- Scientific and Clinical Advisory Board Member-National Fragile X Foundation, USA
- Research- Fragile X Association, Australia

- Neurosciences Victoria (NSV)
- Exceptional Families, Canada's Resource Magazine: Parents of Exceptional Children(ended 2009)
- Science, Research and Intervention Advisory Board, Downs Syndrome Ed International.
- Scientific Advisory Board, Fragile X Association Australia.
- Member, Australian Psychological Society
- Member, Australian Cognitive Neuroscience Society
- Member, Australian Sleep Association
- Associate Editor, a special edition of The American Journal of Intellectual and Developmental Disabilities

Expert Panels

- **NHMRC (ADHD)** Clinical practice points on the diagnosis, assessment and management of Attention Deficit Hyperactivity Disorder in children and adolescents. (Sept 2012)

Ad hoc reviewer of research grant applications

- Canadian Research Chairs Program
- NHMRC
- NIH Fragile X Centre Grants (panel member)
- British Columbia Leading Edge Endowment Fund
- Social Sciences and Humanities Research Council of Canada (SSHRC)
- The Wellcome Trust, UK
- Economic and Social Research Council (ESRC), UK
- University of Antwerp, Netherlands
- Children's Research Foundation, Australia

Ad hoc reviewer of research papers for journal publication

- American Journal of Medical Genetics A and B
- American Journal of Mental Retardation
- Biological Psychiatry
- Brain
- Brain & Cognition
- British Journal of Psychology
- British Journal of Developmental Psychology

- Child Neuropsychology
- Cognition & Emotion
- Cortex
- Developmental Medicine and Child Neurology
- Developmental Science
- Journal of Child Psychology and Psychiatry
- Journal of Intellectual Disorders Research
- International Journal of Inclusive Education
- Laterality
- Neuropsychology
- Neuropsychologia
- Neurology
- Psychological Bulletin
- Trends in Genetics