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Degrees

Ph. D., Behavior Genetics (Emphasis: Quantitative Genetics), Department of Psychology, University of Colorado, Boulder, USA, 1994 [Dissertation title: "Structural Models for the Development of Specific Cognitive Abilities in the Colorado Adoption Project"]

M. A., Behavior Genetics (Emphasis: Quantitative Genetics), Department of Psychology, University of Colorado, Boulder, USA, 1992

B. A. (Honours), Psychology (Emphasis: Quantitative Psychology), The University of Winnipeg, Canada, 1989 [Thesis title: "Self-Deception and Impression Management in Approval Motivated Behaviour"]

Academic appointments

2009–present Assistant Professor, Department of Psychiatry, The University of Hong Kong

2007–present Principal Investigator, The State Key Laboratory of Brain and Cognitive Sciences, The University of Hong Kong

2007–2009 Honorary Associate Professor, Department of Psychiatry, The University of Hong Kong

2006–2009 Research Assistant Professor, Department of Psychiatry and Genome Research Centre, The University of Hong Kong

2000–2006 Head of Statistical Genetics Applications, Wellcome Trust Centre for Human Genetics, University of Oxford

2000–2006 Honourary Senior Lecturer in Statistical Genetics, Social, Genetic and Developmental Psychiatry Research Centre, Institute of Psychiatry, King's College London

1999–2000 Senior Statistical Geneticist, Wellcome Trust Centre for Human Genetics, University of Oxford

1999–2000 Senior Lecturer in Statistical Genetics, Social, Genetic and Developmental Psychiatry Research Centre, Institute of Psychiatry, King's College London

1996–1999 Lecturer in Statistical Genetics, Social, Genetic and Developmental Psychiatry Research Centre, Institute of Psychiatry, King's College London

1995–1999 Research Associate, Institute for Behavioral Genetics, University of Colorado

1991 Teaching Assistant, two Introduction to Behavior Genetics courses, University of Colorado

1989–1990 Lecturer, Introduction to Computing course, University of Colorado

1989–1994 Predoctoral Trainee and Graduate Research Assistant, Institute for Behavioral Genetics, University of Colorado

Professional activities

2012–present Member, Editorial Board (Academic Editor), PeerJ

2010–present Member, Editorial Board (Academic Editor), PLoS One

2005–2008 Elected Treasurer, Behavior Genetics Association

2004–present Member, Advisory Board, Journal of Child Psychology & Psychiatry

2004 Guest instructor at the Cambridge Complex Traits Conference, Hinxton, United Kingdom, 4–7 April.

2002-2005 Elected Member-at-Large, Behavior Genetics Association

1999 Science Advisor, EINSHAC workshop on Science and Cases on Neuro and Behavioral Genetics, Airlie Conference Center, Virginia, 30 June–3 July 1999.

1997–present Associate Editor, Behavior Genetics

1997 Guest faculty member, 18th Wellcome Trust Summer School on statistical genetics, Hinxton, United Kingdom, July.

1993–present Faculty, International Workshops on Methodology of Twin and Family Studies

University committees

2013–present Chair, IT Committee, Department of Psychiatry, The University of Hong Kong

2013–2014 Faculty Human Resources Committee, LKS Faculty of Medicine, The University of Hong Kong

2011–2013 Medical Loan Funds Committee, LKS Faculty of Medicine, The University of Hong Kong

2000–2005 Member, IT Committee, Wellcome Trust Centre for Human Genetics, University of Oxford

1994–1999 Member, Computing Committee, Institute for Behavioral Genetics, University of Colorado, Boulder

Honors and awards

2000 Fulker Award (best paper of the year in *Behavior Genetics*), Behavior Genetics Association, for "Neale, M. C., **Cherny, S. S.**, Sham, P. C., Whitfield, J. B., Heath, A. C., Birley, A. C., and Martin, N. G. (1999) Distinguishing population stratification from genuine allelic effects with Mx: Association of ADH2 with alcohol consumption. *Behavior Genetics, 29,* 233–244; doi:10.1023/A:1021638122693."

1994 Dozier Award, Department of Psychology, University of Colorado

1989 Academic Proficiency Scholarship, University of Winnipeg

1989 Dr. C. J. Robson Scholarship in Psychology, University of Winnipeg

1988–1989 Member of the University of Winnipeg Honours Society

1988–1989 "Student of Highest Distinction", University of Winnipeg

Grants and fellowships

1. Natural Sciences and Engineering Research Council of Canada Postgraduate Scholarships (PGS-2 and PGS-3), 1/6/90–31/5/93.

2. NHLBI: "Biobehavioral Studies of Cardiovascular Disease" (HL-40962), 1/3/94–28/2/99, PI: Stephen Manuck, TDC: US$4,148,124. Role on project: Consultant, 0% AY.

3. Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellow, 1/1/95–31/12/95.

4. NIMH: "Workshop on Methodology of Twin Studies" (R25MH019918), 1/9/98–31/8/2008, PI: John K. Hewitt, TDC: US$218,469. Role on project: Faculty member.

5. NIAAA: "Genes for Ethanol Sensitivity in the Rat — QTL" (AA-10556), 1/4/96–31/3/2000, PI: Richard A. Deitrich, TDC: US$717,148. Role on project: Co-Principal Investigator, 25% AY.

6. Medical Research Council of Great Britain: "Genetics and Anxiety/Depression in 25,000 Sibs," 1/9/97–31/8/2004, PI: Pak Sham, YDC: US$110,204. Role on project: Co-Investigator/consultant.

7. NIDA: "Antisocial Drug Dependence: Genetics and Treatment, Component I: Adolescent Drug/Alcohol Dependence: Chromosomal Loci" (DA-11015), 1/8/97–30/6/2002, PI: John K. Hewitt, YDC: US$47,018. Role on project: Co-Investigator/consultant.

8. NIDA: "Antisocial Drug Dependence: Genetics and Treatment, Component IV: Heritable Early Indicators of Risk for Drug Dependence" (DA-11015), 1/8/97–30/6/2002, PI: John K. Hewitt, YDC: US$155,638. Role on project: Co-Investigator/consultant.

9. NEI: "Variance Components Models for Mapping QTLs" (EY-12562), 1/12/1998–30/9/2008, PI: John K. Hewitt, TDC: US$1,419,799 (1/10/2002-30/9/2008). Role on project: Co-I, 1/12/1998–31/10/1999; PI of Oxford subcontract, 10% AY, 1/11/1999–31/3/2006; Co-PI of University of Hong Kong subcontract, 1/10/2006–30/9/2008 (HK$636,082 direct costs to HKU).

10. Seed Funding Programme for Basic Research (HKU): "Whole genome family based association study to search for RET-dependent modifiers in Hirchsprung's disease" (200611159152), 01/05/2007–30/04/2009, PI: Prof PKH Tam, TDC: HK$120,000. Role on project: Co-I.

11. URC/CRCG — Conference Grants for Teaching Staff (HKU): "37th Annual Meeting of the Behavior Genetics Association: *QTL methodology in behavior genetics: from linkage to genomewide association*" (200703170087), 03/06/2007–06/06/2007, TDC: HK$13,500. Role on project: PI.

12. University Grants Council (Hong Kong)/Competitive Earmarked Research Grants (CERG): "Genetic dissection of Hirschsprung's disease" (HKU 7759/07M), 01/01/2008–01/01/2011, TDC: HK$1,781,813, PI: Prof PKH Tam. Role on project: Co-I.

13. University Grants Council (Hong Kong)/Competitive Earmarked Research Grants (CERG): "Genome-wide association study of schizophrenia" (HKU 7747/07M), 01/01/2008–01/01/2011, TDC: HK$1,798,990, PI: Prof PC Sham. Role on project: Co-I.

14. Seed Funding Programme for Basic Research (HKU): "Fine mapping of a Hirschsprung's disease locus on the 3p21 candidate region" (200709159003), 30/6/2008–29/6/2010, TDC: HK$80,000, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

15. Seed Funding Programme for Basic Research (HKU): "Genome-wide association mapping of epilepsy using DNA pooling" (200711159114), 1/4/2008–31/3/2010, TDC: HK$80,000. Role on project: PI.

16. URC/CRCG — Conference Grants for Teaching Staff (HKU): " Behavior Genetics Association Conference 2008: *Genomewide association study of Hirschsprung's disease*" (200703170522), 25/06/2008–28/06/2008, TDC: HK$13,500. Role on project: PI.

17. University Grants Council (Hong Kong)/General Research Fund (GRF): "Genome-wide association mapping of susceptibility loci for symptomatic epilepsy" (HKU 7623/08M), 1/1/2009–31/12/2010, TDC: HK$1,570,295. Role on project: PI.

18. University Grants Council (Hong Kong)/General Research Fund (GRF): "Fine mapping of Hirschsprung's disease loci on the 3p21 and 9q31 candidate regions" (HKU 7650/08M), 1/1/2009–30/6/2010, TDC: HK$566,774, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

19. University Grants Council (Hong Kong)/General Research Fund (GRF): "Genome-wide association study for the identification of genes underlying anorectal malformations" (HKU 7756/08M), 1/1/2009–31/12/2011, TDC: HK$1,266,337, PI: Prof PKH Tam. Role on project: Co-I.

20. URC/CRCG — Conference Grants for Teaching Staff (HKU): " 39th Annual Meeting of the Behavior Genetics Association: *Selection strategies for sib-pair association studies*" (200807170340), 17/06/2009–20/06/2009, TDC: HK$16,500. Role on project: PI.

21. University Grants Council (Hong Kong)/General Research Fund (GRF): "Identification of functional variants in Neuregulin-1 (NRG1), a newly discovered Hirschsprung's disease gene" (HKU 7656/09M), 01/10/2009–30/09/2011, TDC: HK$802,995, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

22. URC/CRCG — Conference Grants for Teaching Staff (HKU): " 59th Annual Meeting of the American Society of Human Genetics: *Fine mapping of Hirschsprung disease loci in 9q31*" (200807170544), 20/10/2009–24/10/2009, TDC: HK$16,500. Role on project: PI.

23. Small Project Funding (HKU): "Sequencing of the neuregulin-1 *(NRG1)* gene in schizophrenia patients" (200907176047), 1/8/2009–31/1/2011, TDC: HK$40,000. Role on project: Co-I.

24. University Grants Council (Hong Kong)/General Research Fund (GRF): "Genotype by risk factor interactions in cognitive decline: The Guangzhou Biobank Cohort Study" (HKU 7623/09M), 1/1/2010–31/12/2012, TDC: HK$197,650. Role on project: PI.

25. Seed Funding Programme for Basic Research (HKU): "Exon sequencing of Semaphorin, a novel Hirschsprung's Disease susceptibility locus" (200911159190), 15/3/2010–14/3/2012, TDC: HK$67,000. Role on project: PI.

26. National Institute of Neurological Disorders and Stroke (NINDS/NIH): "Validation of clinical assessment tools for population genetic studies of epilepsy" (R21NS069223), 1/7/2010–30/6/2012, TDC: US$152,930, PI: Prof P Kwan. Role on project: Co-PI.

27. University Grants Council (Hong Kong)/Innovation and Technology Support Programme (Tier 2): "Next-Generation High-throughput and Targeted DNA Sequencing Platforms for Systematic Discovery of Novel Diagnostic Markers of Common Disease" (ITS/245/09FP), 1/8/2010–31/1/2012, TDC: HK$5,856,986, PI: Prof S Lok/Dr AHY Tong. Role on project: Co-I.

28. University Grants Council (Hong Kong)/General Research Fund (GRF): "Deep Re-Sequencing of Hirschsprung's Disease Candidate Genes" (HKU 7686/10M), 1/10/2010–30/9/2013, TDC: HK$1,000,000, PI: Prof PKH Tam. Role on project: Co-I.

29. URC/CRCG — Conference Grants for Teaching Staff (HKU): "60th Annual Meeting of the American Society of Human Genetics: *A Genome-Wide Association Study of Symptomatic Epilepsy in Han Hong Kong Chinese Detects Multiple Variants*" (201007170081), 2/11/2010–7/11/2010, TDC: HK$16,500. Role on project: PI.

30. University Grants Council (Hong Kong)/General Research Fund (GRF): "Host genetic determinants of human influenza infection" (HKU 7675/10M), 1/1/2011–30/6/2012, TDC: HK$598,995, PI: Dr DKM Ip. Role on project: Co-I.

31. University Grants Council (Hong Kong)/General Research Fund (GRF): "Are life long sex-steroids causally related to cardiovascular disease in men and women?" (HKU 7697/10M), 1/1/2011–30/6/2012, TDC: HK$640,900, PI: Prof TH Lam. Role on project: Co-I.

32. Seed Funding Programme for Basic Research (HKU): "Meta-analysis of Chinese and European genome-wide association studies of Hirshsprung's disease and confirmation of novel loci" (201011159160), 15/3/2011–14/3/2013, TDC: HK$43,000. Role on project: PI.

33. Seed Funding Programme for Basic Research (HKU): "Investigation of structural variations in Caudal Regression Syndrome Patients" (201010159012), 1/4/2011–31/3/2013, TDC: HK$98,590. Role on project: Co-I.

34. URC/CRCG — Conference Grants for Teaching Staff (HKU): "12th International Congress of Human Genetics: RET *mutational spectrum in Hirschsprungs disease: evaluation of 601 Chinese patients*" (201007170629), 11/10/2011–15/10/2011, TDC: HK$16,500. Role on project: PI.

35. University Grants Council (Hong Kong)/General Research Fund (GRF): "Whole-exome sequencing to identify genes underlying Caudal Regression Syndrome" (HKU 7666/11M), 1/12/2011–30/11/2013, TDC: HK$750,000, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

36. University Grants Council (Hong Kong)/General Research Fund (GRF): "Method and Software for Personal Risk Profiling of Complex Diseases" (HKU 7775/11M), 1/1/2012–31/12/2014, TDC: HK$945,000, PI: Prof PC Sham. Role on project: Co-I.

37. University Grants Council (Hong Kong)/Theme-Based Research Scheme (TBRS): "Personalized Medicine for Cardiovascular Diseases: From Genomic Testing and Biomarkers to Human Pluripotent Stem Cell Platform" (T12-705/11), 1/1/2012–31/12/2016, TDC: HK$34,944,000, PC: Prof HK Tse. Role on project: Co-I.

38. URC/CRCG — Conference Grants for Teaching Staff (HKU): "Annual meeting of the American Society of Human Genetics: *Genome-wide copy number variation in anorectal malformations*" (201107170657), 05/11/2012–11/11/2012, TDC: HK$16,500. Role on project: PI.

39. University Grants Council (Hong Kong)/Theme-Based Research Scheme (TBRS): "Functional analyses of how genomic variation affects personal risk for degenerative skeletal disorders" (T12-708/12-N), 1/1/2013–31/12/2017, TDC: HK$64,990,000, PC: Prof KSE Cheah. Role on project: Co-I.

40. University Grants Council (Hong Kong)/General Research Fund (GRF): "Exome sequencing of mesial temporal lobe epilepsy with hippocampal sclerosis in parent-offspring trios" (HKU 7630/12M), 1/1/2013–31/12/2014, TDC: HK$850,000. Role on project: PI.

41. University Grants Council (Hong Kong)/General Research Fund (GRF): "Whole-exome sequencing to uncover causative genes for perinatal biliary atresia" (HKU 7661/12M), 1/1/2013–31/12/2014, TDC: HK$850,000, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

42. University Grants Council (Hong Kong)/General Research Fund (GRF): "Bioinformatics tools for identifying disease loci from exome sequencing data" (HKU 7764/12M), 1/1/2013–31/12/2015, TDC: HK$1,098,000, PI: Prof PC Sham. Role on project: Co-I.

43. University Grants Council (Hong Kong)/General Research Fund (GRF): "Study on genomic structural variations in Hirschsprung disease" (HKU 7776/12M), 1/1/2013–31/12/2015, TDC: HK$1,000,000, PI: Prof PKH Tam. Role on project: Co-I.

44. University Grants Council (Hong Kong)/General Research Fund (GRF): "Congenital dilatation of the bile ducts (CCD): a genetic study" (HKU 7669/13M), 1/9/2013–31/08/2015, TDC: HK$1,472,255, PI: Dr MM Garcia-Barceló. Role on project: Co-I.

45. University Grants Council (Hong Kong)/General Research Fund (GRF): "Statistical methods for characterizing the genetic component of polygenic diseases" (HKU 7765/13M), 1/1/2014–31/12/2015, TDC: HK$690,089, PI: Prof PC Sham. Role on project: Co-I.

46. University Grants Council (Hong Kong)/General Research Fund (GRF): "Uncovering the genetic lesions underlying persistent cloaca by whole genome sequencing" (HKU 7782/13M), 1/1/2014–31/12/2016, TDC: HK$822,731, PI: Prof PKH Tam. Role on project: Co-I.

47. Health and Medical Research Fund - Full Grant (HMRF): "Elucidating the genetic basis for early-age onset nasopharyngeal carcinoma in Hong Kong" (01121496), 1/11/2013–30/4/2015, TDC: HK$1,000,000, PI: Prof ML Lung. Role on project: Co-I.

48. Health and Medical Research Fund - Mini Grant (HMRF): "A transethnic meta-analysis of genome-wide association studies for Hirschsprung disease" (01121796), 1/1/2014–31/12/2015, TDC: HK$78,800, PI: Dr SM Tang. Role on project: Co-I.

49. Health and Medical Research Fund - Full Grant (HMRF): "Uncovering the genetic lesions underlying the most severe form of Hirschsprung (HSCR) disease by whole genome sequencing (WGS): a pilot study in 8 family trios" (01121516), 1/4/2014–31/3/2016, TDC: HK$1,000,000, PI: Dr MM Garcia-Barcelo. Role on project: Co-I.

Articles

1. Becker, G. and **Cherny, S. S.** (1992). A five-factor nuclear model of socially desirable responding. *Social Behavior and Personality, 20,* 163–192; doi:10.2224/sbp.1992.20.3.163.

2. **Cherny, S. S.**[1], Cardon, L. R., Fulker, D. W., and DeFries, J. C. (1992). Differential heritability across levels of cognitive ability. *Behavior Genetics, 22,* 153–162; doi:10.1007/BF01066994.

3. **Cherny, S. S.**[1], DeFries, J. C., and Fulker, D. W. (1992). Multiple regression analysis of twin data: A model-fitting approach. *Behavior Genetics, 22,* 489–497; doi:10.1007/BF01066617.

4. Benson, J. B., **Cherny, S. S.**, Haith, M. M., and Fulker, D. W. (1993). Rapid assessment of infant predictors of adult IQ: The midtwin/midparent approach. *Developmental Psychology, 29,* 434–447; doi:10.1037/0012-1649.29.3.434.

5. Rodriguez, L. R., Fulker, D. W., and **Cherny, S. S.** (1993). A maximum-likelihood model-fitting approach to conducting a Hayman analysis of diallel tables with complete or missing data. *Behavior Genetics, 23,* 69–76; doi:10.1007/BF01067555.

6. Becker, G. and **Cherny, S. S.** (1994). Gender-controlled measures of socially desirable responding. *Journal of Clinical Psychology, 50,* 746–752; doi:10.1002/1097-4679(199409)50:5<746::AID-JCLP2270500512>3.0.CO;2-V.

7. **Cherny, S. S.**[1], Fulker, D. W., Corley, R. P., Plomin, R., and DeFries, J. C. (1994) Continuity and change in infant shyness from 14 to 20 months. *Behavior Genetics, 24,* 365–379; doi:10.1007/BF01067538.

8. **Cherny, S. S.**[1], Fulker, D. W., Emde, R. N., Robinson, J., Corley, R. P., Reznick, S. J., Plomin, R., and DeFries, J. C. (1994) A developmental-genetic analysis of continuity and change in the Bayley Mental Development Index from 14 to 24 months: The MacArthur Longitudinal Twin Study. *Psychological Science, 5,* 354–360; doi:10.1111/j.1467-9280.1994.tb00285.x.

9. Schmitz, S., **Cherny, S. S.**, Fulker, D. W., and Mrazek, D. (1994) Genetic and environmental influences on early childhood behavior. *Behavior Genetics, 24,* 25–34; doi:10.1007/BF01067926.

10. Cardon, L. R., Fulker, D. W., and **Cherny, S. S.** (1995) Linkage analysis of a common oligogenic disease using selected sib pairs. *Genetic Epidemiology, 12,* 741–746; doi:10.1002/gepi.1370120635.

11. Fulker, D. W. and **Cherny, S. S.** (1995) Genetic and environmental influences on cognition during childhood. *Population Research and Policy Review, 14,* 283–300; doi:10.1007/BF01074393.

12. Fulker, D. W., **Cherny, S. S.**, and Cardon, L. R. (1995) Multipoint interval mapping of quantitative trait loci, using sib pairs. *American Journal of Human Genetics, 56,* 1224–1233; PMID:7726180.

13. Hu, S., Pattatucci, A. M. L., Patterson, C., Li, L., Fulker, D. W., **Cherny, S. S.**, Kruglyak, L., and Hamer, D. H. (1995) Linkage between Xq28 and sexual orientation in males but not in females. *Nature Genetics, 11,* 248–256; doi:10.1038/ng1195-248.

[1]Corresponding author

14. Fulker, D. W. and **Cherny, S. S.** (1996) An improved multipoint sib-pair analysis of quantitative traits. *Behavior Genetics, 26,* 527–532; doi:10.1007/BF02359758.

15. Petrill, S. A., Saudino, K., **Cherny, S. S.**, Emde, R. N., Hewitt, J. K., Fulker, D. W., and Plomin, R. (1997) Exploring the genetic etiology of low general cognitive ability from 14 to 36 months. *Developmental Psychology, 33,* 544–548; doi:10.1037/0012-1649.33.3.544.

16. Stallings, M. C., **Cherny, S. S.**, Young, S. E., Miles, D. R., Hewitt, J. K., and Fulker, D. W. (1997) The familial aggregation of depressive symptoms, antisocial behavior, and alcohol abuse. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 74,* 183–191; doi:10.1002/(SICI)1096-8628(19970418)74:2<183::AID-AJMG14>3.0.CO;2-E.

17. Petrill, S. A., Saudino, K., **Cherny, S. S.**, Emde, R. N., Fulker, D. W., Hewitt, J. K., and Plomin, R. (1998) Exploring the genetic and environmental etiology of high general cognitive ability in fourteen- to thirty-six-month-old twins. *Child Development, 69,* 68–74; doi:10.1111/j.1467-8624.1998.tb06133.x.

18. Schmitz, S., **Cherny, S. S.**, and Fulker, D. W. (1998) Increase in power through multivariate analyses. *Behavior Genetics, 28,* 357–363; doi:10.1023/A:1021669602220.

19. Fulker, D. W., **Cherny, S. S.**[1], Sham, P. C., and Hewitt, J. K. (1999) Combined linkage and association sib-pair analysis for quantitative traits. *American Journal of Human Genetics, 64,* 259–267; doi:10.1086/302193.

20. Gayán, J., Smith, S. D., **Cherny, S. S.**, Cardon, L. R., Fulker, D. W., Brower, A. M., Olson, R. K., Pennington, B. F., and DeFries, J. C. (1999) Quantitative trait locus for specific language and reading deficits on chromosome 6p. *American Journal of Human Genetics, 64,* 157–164; doi:10.1086/302191.

21. Neale, M. C., **Cherny, S. S.**, Sham, P. C., Whitfield, J. B., Heath, A. C., Birley, A. C., and Martin, N. G. (1999) Distinguishing population stratification from genuine allelic effects with Mx: Association of ADH2 with alcohol consumption. *Behavior Genetics, 29,* 233–244; doi:10.1023/A:1021638122693.

22. Talbot, C. J., Nicod, A., **Cherny, S. S.**, Fulker, D. W., Collins, A. C., and Flint, J. (1999) High-resolution mapping of quantitative trait loci in outbred mice. *Nature Genetics, 21,* 305–308; doi:10.1038/6825.

23. Saudino, K. J., **Cherny, S. S.**, and Plomin, R. (2000) Parent ratings of temperament in twins: Explaining the 'too low' DZ correlations. *Twin Research, 3,* 224–233; doi:10.1375/136905200320565193.

24. Sham, P. C., **Cherny, S. S.**, Purcell, S., and Hewitt, J. K. (2000) Power of linkage versus association analysis of quantitative traits, by use of variance-components models, for sibship data. *American Journal of Human Genetics, 66,* 1616–1630; doi:10.1086/302891.

25. Sham, P. C., Sterne, A., Purcell, S., **Cherny, S.**, Webster, M., Rijsdijk, F., Asherson, P., Ball, D., Craig, I., Eley, T., Goldberg, D., Gray, J., Mann, A., Owen, M., and Plomin, R. (2000) GENESiS: creating a composite index of the vulnerability to anxiety and depression in a community-based sample of siblings. *Twin Research, 3,* 316-322; doi:10.1375/136905200320565292.

26. Sham, P. C., Zhao, J. H., **Cherny, S. S.**, and Hewitt, J. K. (2000) Variance-components QTL linkage analysis of selected and non-normal samples: conditioning on trait values. *Genetic Epidemiology, 19,* S22–S28; doi:10.1002/1098-2272(2000)19:1+<::AID-GEPI4>3.0.CO;2-S.

27. Abecasis, G. R., Cardon, L. R., Cookson, W. O. C., Sham, P. C., and **Cherny, S. S.**[1] (2001) Association analysis in a variance components framework. *Genetic Epidemiology, 21,* S341-S346; http://www.sph.umich.edu/csg/abecasis/publications/pdf/Genet.Epidemiol.vol.21-pp.S341-S346.pdf.

28. Abecasis, G. R., **Cherny, S. S.**, and Cardon, L. R. (2001) The impact of genotyping error on family-based analysis of quantitative traits. *European Journal of Human Genetics, 9,* 130–134; doi:10.1038/sj.ejhg.5200594.

29. Abecasis, G. R., **Cherny, S. S.**, Cookson, W. O. C., and Cardon, L. R. (2001) GRR: Graphical representation of relationship errors. *Bioinformatics, 17,* 742–743; doi:10.1093/bioinformatics/17.8.742.

30. Beekman, M., Lakenberg, N., **Cherny, S. S.**, de Knijff, P., Vogler, G. P., Frants, R. R., Boomsma, D. I., and Slagboom, P. E. (2001) A powerful and rapid approach to human genome scanning using small quantities of genomic DNA. *Genetical Research, 77,* 129–134; doi:10.1017/S001667230100492X.

31. **Cherny, S. S.**[1], Abecasis, G. R., Cookson, W. O. C., Sham, P. C., and Cardon, L. R. (2001) The effect of genotype and pedigree error on linkage analysis: Analysis of three asthma genome scans. *Genetic Epidemiology, 21,* S117-S122; http://www.sph.umich.edu/csg/abecasis/publications/pdf/Genet.Epidemiol.vol.21-pp.S117-S122.pdf.

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98. Gui, H., Li, M., Sham, P., and **Cherny, S.** (2011) A systematic comparison of GWAS pathway analysis methods. Poster presented at the 12th International Congress of Human Genetics / 61st Annual Meeting of the American Society of Human Genetics, Abstract 619W, p. 83. Montréal, Québec, Canada, 12 October 2011.

99. **Cherny, S.** (2012) Using Twins, Adoptees, or Molecular Data to Separate Genetic from Environmental Causes of Variation Among Individuals. Invited lecture presented at the workshop Biological Basis of Individual Differences in Human Social Communicative Abilities—Quantitative Experiments, Computational Methods and Modeling. Hong Kong Baptist University, 2–5 October 2012; http://cns.hkbu.edu.hk/workshop2012/handbook.pdf, p. 20.

100. Cheng, G. Wong, E. H. M., Sham, P. C., **Cherny, S. S.**, Maas, S., Scherer, S. W., Marshall, C. R., Pereira, S. L., Tam, P. K. H., and Garcia-Barceló, M. (2012) Exome sequencing of a pedigree with Caudal Regression Syndrome (CRS). Poster presented at the 62nd Annual Meeting of the American Society of Human Genetics, Abstract 2932W. San Francisco, California, 7 November 2012.

101. **Cherny, S. S.**, Wong, E. H. M., Cui, L., Ng, C. L., Tang, C. S. M., So, M. T., Yip, B. H. K., Cheng, G., Liu, V. C. H., Sham, P. C., Tam, P. K. H., and Garcia-Barceló, M. M. (2012) Genome-wide copy number variation in anorectal malformations. Poster presented at the 62nd Annual Meeting of the American Society of Human Genetics, Abstract 2066F. San Francisco, California, 9 November 2012.

102. Garcia-Barceló, M.-M., Cheng, G., Tang, C. S. M., Liu, X. L., Zhang, R. Z., So, M. T., Wong, E. H. M., Chung, P. H. Y., Chan, I. H. Y., Liu, J., Zhong, W., Xia, H., Yu, J., Wong, K. K. Y., **Cherny, S. S.**, Sham, P. C., and Tam, P. K. H. (2012) Fine mapping on chromosome 10q24.2 implicates ADD3 in biliary atresia. Poster presented at the 62nd Annual Meeting of the American Society of Human Genetics, Abstract 1930T. San Francisco, California, 8 November 2012.

103. Wong, E., Butler, A. W., Wang, Q., **Cherny, S. S.**, Li, T., and Sham, P. C. (2012) Genome-wide copy number analysis on schizophrenia in Han Chinese. Poster presented at the 62nd Annual Meeting of the American Society of Human Genetics, Abstract 2094T. San Francisco, California, 8 November 2012.

104. **Cherny, S. S.**, Gui, H.-S., Xu, L, Sham, P.-C., Jiang, C.-Q., Lam, T.-H., Liu, B., Jin, Y.-L., Zhu, T., Zhang, W.-S., Thomas, G. N., Cheng, K.-K. (2013) Influence of Alzheimer's disease genes on cognitive decline: the Guangzhou Biobank Cohort Study. Poster presented at the 63nd Annual Meeting of the American Society of Human Genetics, Abstract 1190W. Boston, Massachusetts, 23 October 2013.

105. Garcia-Barceló, M., Wong, E. H.-M., Ng, C. H., Lui, V. C.-H., So, M.-T., **Cherny, S. S.**, Sham, P.-C., and Tam, P. K. (2013) Gene network analysis of candidate loci for human anorectal malformations. Poster presented at the 63nd Annual Meeting of the American Society of Human Genetics, Abstract 1027T. Boston, Massachusetts, 24 October 2013.

106. Tang, C. S., Wong, E., Gui, H., **Cherny, S.**, Sham, P., Tam, P., and Garcia-Barceló, M. (2013) Comprehensive comparison of copy number variations detection using Illumina Omni 2.5M and Affymetrix CytoScan® arrays. Poster presented at the 63nd Annual Meeting of the American Society of Human Genetics, Abstract 552T. Boston, Massachusetts, 24 October 2013.

107. Zhang, X.-W., Sham, P.-C., **Cherny, S. S.**, Meng, H.-Q., Fu, Y.-X., Huang, Y., and Li, T. (2013) Parents and teachers report on different aspect[s] of children's and adolescent's conduct disorder and hyperactivity/inattention behavior. Poster presented at the 63nd Annual Meeting of the American Society of Human Genetics, Abstract 1255F. Boston, Massachusetts, 25 October 2013.

Professional affiliations (past and present)

American Association for the Advancement of Science (past)

American Psychological Association (past)

American Psychological Society (past)

American Society of Human Genetics

Behavior Genetics Association

International Society for the Study of Behavioural Development (past)

Scholarly meetings attended

1. 20th Annual Meeting of the Behavior Genetics Association, Aussois, Modane, France, June 1990; presented one paper.
2. 21st Annual Meeting of the Behavior Genetics Association, Saint Louis, Missouri, June 1991; presented one paper and two posters.
3. Fourth International Workshop on the Methodology of Twin and Family Studies, Leuven, Belgium, September, 1991
4. 22nd Annual Meeting of the Behavior Genetics Association, Boulder, Colorado, July 1992; presented one paper and one poster and co-authored one paper.
5. 60th Anniversary Meeting of the Society for Research in Child Development, New Orleans, Louisianna, March 1993; presented two posters.
6. 23rd Annual Meeting of the Behavior Genetics Association, Sydney, N. S. W., Australia, July 1993; presented one paper.
7. 24rd Annual Meeting of the Behavior Genetics Association, Barcelona, Catalonia, Spain, July 1994; presented one paper and five posters.
8. Genetic Analysis Workshop 9, Val Morin, Québec, Canada, October 1994; co-authored one paper.
9. 44th Annual Meeting of the American Society of Human Genetics, Montréal, Québec, Canada, October 1994; presented one poster.
10. Biennial Meeting of the Society for Research in Child Development, Indianapolis, Indiana, March 1995; presented one symposium paper and one poster.
11. Eighth International Twin Congress, Richmond, Virginia, May 1995; presented one paper.
12. 25th Annual Meeting of the Behavior Genetics Association, Richmond, Virginia, June 1995; presented one paper and five posters.
13. Research Society on Alcoholism Annual Scientific Meeting, Steamboat Springs, Colorado, June 1995; presented two posters.
14. XIVth Biennial Meetings of the International Society for the Study of Behavioural Development, Québec City, Québec, Canada, August 1996; presented one symposium paper and two posters.
15. 27th Annual Meeting of the Behavior Genetics Association, Toronto, Ontario, Canada, July 1997; presented one symposium paper and one poster and co-authored one paper.
16. World Congress on Psychiatric Genetics, Santa Fe, New Mexico, October 1997.
17. Workshop in the Genetics of Non-Linear Dynamic Systems, State College, Pennsylvania, May 1998.
18. Ninth International Twin Congress, Helsinki, Finland, June 1998; co-authored one paper.
19. 28th Annual Meeting of the Behavior Genetics Association, Stockholm, Sweden, June 1998; co-authored two papers.
20. 48th Annual Meeting of the American Society of Human Genetics, Denver, Colorado, October 1998; presented one poster.
21. S.A.G.E. Short Course, Seattle, Washington, December 1998.
22. 29th Annual Meeting of the Behavior Genetics Association, Vancouver, Canada, July 1999; presented one paper and co-authored two papers.

23. 49th Annual Meeting of the American Society of Human Genetics, San Francisco, California, October 1999.
24. NIH Statistical Genetics Initiative Workshop, Half Moon Bay, California, October 1999; co-authored one paper.
25. Second International Meeting on the Genetic Epidemiology of Complex Traits, Cambridge, United Kingdom, April 2000.
26. VIIIth CEPH Annual Conference, Paris, France, May 2000.
27. 30th Annual Meeting of the Behavior Genetics Association, Burlington, Vermont, June-July 2000.
28. 50th Annual Meeting of the American Society of Human Genetics, Philadephia, Pennsylvania, October 2000; co-authored two posters.
29. EPOS Symposium on Uncovering the Genetic Basis of Anxiety and Depression, Amsterdam, Holland, October 2000.
30. Genetic Analysis Workshop 12, San Antonio, Texas, October 2000; co-authored two papers.
31. European Science Foundation Exploratory Workshop on Finding quantitative trait loci (QTLs) for complex traits in humans. Statistical analysis of data from selected groups of related individuals: An application to anxiety/depression, Oxford, United Kingdom, January 2001; co-authored one paper.
32. EMBO Workshop on Genetics of Osteoporosis: from Basic to Clinical Research, Sestri Levante, Italy, 31 March-3 April 2001; presented invited paper "The effects of pedigree and genotype error on linkage and association".
33. 31st Annual Meeting of the Behavior Genetics Association, Cambridge, United Kingdom, July 2001; presented one paper and one poster, co-authored one paper, co-chaired one symposium, and chaired one paper session.
34. 51st Annual Meeting of the American Society of Human Genetics, San Diego, California, October 2001; co-authored one poster.
35. 32nd Annual Meeting of the Behavior Genetics Association, Keystone, Colorado, July 2002; presented one paper.
36. 33rd Annual Meeting of the Behavior Genetics Association, Chicago, Illinois, June 2003.
37. 4th International Genetics of Complex Traits Conference, Cambridge, UK, April 2004; instructor.
38. 34th Annual Meeting of the Behavior Genetics Association, Aix-en-Provence, France, June 2004.
39. 35th Annual Meeting of the Behavior Genetics Association, Hollywood, California, June 2005.
40. Informatics Grand Rounds, Mayo Clinic, Rochester, Minnesota, July 2005. Presented invited paper "Variance components methods in quantitative genetic research"; http://ndc.mayo.edu/mayo/research/bmi/grand_rounds05.cfm.
41. 36th Annual Meeting of the Behavior Genetics Association, Storrs, Connecticut, June 2006.
42. HD 2006: Changes, Advances and Good News $(CAG)_n$, Cambridge, Massachusetts, August 2006; co-authored one paper and four posters.
43. 37th Annual Meeting of the Behavior Genetics Association, Amsterdam, The Netherlands, June 2007; presented one symposium paper and co-authored one paper.
44. Biochemistry & Molecular Biology, Michigan State University, seminar series, 14 March 2008. Presented invited paper "Searching for Huntington's Disease modifier genes in the Venezuelan HD kindreds"; http://www.bch.msu.edu/bchweekly/weeklyarchive/411108.pdf.

45. 38th Annual Meeting of the Behavior Genetics Association, Louisville, Kentucky, June 2008; presented one paper.
46. HD 2008: The Milton Wexler Celebration of Life, Cambridge, Massachusetts, August 2008; co-authored one paper and two posters.
47. 39th Annual Meeting of the Behavior Genetics Association, Minneapolis, Minnesota, June 2009; presented one poster.
48. 59th Annual Meeting of the American Society of Human Genetics, Honolulu, Hawaii, October 2009; presented one poster and co-authored four additional posters.
49. 40th Annual Meeting of the Behavior Genetics Association, Seoul, Korea, June 2010; co-authored one paper.
50. 13th International Congress on Twin Studies, Seoul, Korea, June 2010.
51. 60th Annual Meeting of the American Society of Human Genetics, Washington, D. C., November 2010; presented one poster and co-authored five additional posters.
52. 41st Annual Meeting of the Behavior Genetics Association, Newport, Rhode Island, June 2011.
53. 12th International Congress of Human Genetics / 61st Annual Meeting of the American Society of Human Genetics, Montreal, Quebec, Canada, October 2011; presented three posters.
54. 42nd Annual Meeting of the Behavior Genetics Association, Edinburgh, United Kingdom, June 2012.
55. Biological Basis of Individual Differences in Human Social Communicative Abilities—Quantitative Experiments, Computational Methods and Modeling, Hong Kong Baptist University, 2–5 October 2012; presented invited paper.
56. 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, November 2012; presented four posters.
57. 43rd Annual Meeting of the Behavior Genetics Association, Marseille, France, June 2013.
58. 63rd Annual Meeting of the American Society of Human Genetics, Boston, Massachusetts, October 2013; presented four posters.

Refereed for journals

Addiction

American Journal of Human Genetics

American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics

Annals of Human Genetics

Archives of General Psychiatry

Behavior Genetics

Bioinformatics

Biological Psychiatry

Biometrical Journal

BMC Genomics

Briefings in Bioinformatics

Canadian Journal of Behavioural Science

Child Development

Developmental Neuropsychology

Developmental Science

European Journal of Human Genetics

Evolution and Human Behavior

Genes, Brain and Behavior

The Genes and Immunity Journal

Genetic Epidemiology

Genetics

Heredity

Human Genetics

Human Heredity

International Journal of Behavioral Development

Journal of Child Psychology and Psychiatry

The Journal of Clinical Investigation

Journal of Consulting and Clinical Psychology

Journal of Gerontology: Psychological Sciences

Journal of Human Genetics

Journal of Pediatric Biochemistry

Journal of Statistical Planning and Inference

The Lancet

Molecular Biology Reports

Molecular Psychiatry

Personality and Individual Differences

PLoS Genetics

PLoS ONE

Psychiatric Genetics

Psychological Bulletin

Psychological Methods

Psychological Science

Translational Psychiatry

Twin Research and Human Development

World Journal of Pediatrics

Grant reviews

HKBU Faculty Research Grant, Hong Kong (2010)

Health, Welfare and Food Bureau, Hong Kong (2007)

Wellcome Trust, United Kingdom (2001; 2002; 2003)

Foundation Fighting Blindness, USA (1999)

Examination committees

YU Zhuoyou, PhD, Department of Clinical Oncology, The University of Hong Kong, November 2013 (Committee Chair)

ZENG Shuai, PhD, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong, November 2013 (Committee Chair)

KWOK Ka Man, MPhil, Department of Surgery, The University of Hong Kong, October 2013 (Committee Chair)

ZHANG, Jing, PhD, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong, June 2013

FAN Yanhui, PhD, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong, February 2013

CUI Long, MPhil, Department of Surgery, The University of Hong Kong, August 2012

ZHANG Lu, MPhil, Depeartment of Paediatrics and Adolescent Medicine, The University of Hong Kong, June 2012

ZHANG Yan, PhD, Depeartment of Paediatrics and Adolescent Medicine, The University of Hong Kong, May 2012 (Committee Chair)

TANG Wai Kiu, MRes(Med), Department of Surgery, The University of Hong Kong, July 2011

Eric PUN Cheuk Lun, BCogSc, Department of Psychology, The University of Hong Kong, May 2011

Patrick KAO Yu Ping, PhD, Department of Biochemistry, The University of Hong Kong, June 2010

LEE Yiu Fai, PhD, Department of Psychiatry, The University of Hong Kong, February 2010

LI Miaoxin, PhD, Department of Biochemistry, The University of Hong Kong, December 2009

XIAO Sumei, PhD, Departmet of Medicine, The University of Hong Kong, December 2009

Partha Bose, Transfer of status to DPhil, University of Oxford, September 2004

Clyde Francks, DPhil, University of Oxford, September 2001

Gabrielle Barnby, Transfer of status to DPhil, University of Oxford, May 2001

Yvonne Linney, PhD, King's College London, May 2001

Yvonne Linney, Upgrade from MPhil to PhD, King's College London, November 1999

Frühling Rijsdijk, PhD, Free University, Amsterdam, January 1997

Graduate student supervision

Robert Milan PORSCH, Department of Psychiatry, The University of Hong Kong; primary supervisor; MPhil started September 2013

YUANG Yazhi, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong; co-supervisor; PhD started September 2012

Sam CHOI Shing Wan, Department of Psychiatry, The University of Hong Kong; co-supervisor; MPhil started January 2012

John WONG Kwong Leong, Department of Psychiatry, The University of Hong Kong; primary supervisor; MPhil started September 2011; upgraded to PhD July 2013

Emily WONG Hoi Man, Department of Psychiatry, The University of Hong Kong; co-supervisor; PhD started January 2010; awarded June 2013.

Albert CHOI Siu Chung, Department of Psychiatry, The University of Hong Kong; primary supervisor; MPhil started January 2010; awarded 2012.

ZHANG Xiaowei, Department of Psychiatry, The University of Hong Kong; co-supervisor; PhD started January 2010

CHENG Guo, Department of Surgery, The University of Hong Kong; co-supervisor; MPhil started September 2009; upgraded to PhD September 2011; awarded 2013

GUI Hongsheng, Department of Psychiatry, The University of Hong Kong; primary supervisor; PhD started September 2009; awarded 2013

GUO Youling, Department of Psychiatry, The University of Kong Kong; primary supervisor; MPhil started September 2008; upgraded to PhD September 2010; awarded 2013.

Juilian YEUNG Ming Yiu, Department of Psychiatry, The University of Kong Kong; primary supervisor; MPhil started September 2007; awarded 2009; "Genome wide association studies of biliary atresia in Chinese."

ONG Kwok Leung, Department of Medicine, The University of Hong Kong; co-supervisor; PhD started 2007; awarded 2010; "Genetic variants of obesity-and inflammation-related genes in hypertension: genetic association studies using candidate gene approach."

Clara TANG Sze Man, Department of Psychiatry, The University of Hong Kong; co-supervisor; PhD started 2007; awarded 2010; "Genetic dissection of Hirschsprung's disease."

Ansar Jawaid, Institute of Psychiatry, King's College London; second supervisor; PhD awarded 2003

References

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