

Curriculum Vitae

Dr. Paul D. Arnold
University of Calgary
Cumming School of Medicine

I. BIOGRAPHICAL DATA

Paul D. Arnold
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Current Rank: Professor, with Tenure
Depts. Of Psychiatry and Medical Genetics
Cumming School of Medicine, University of Calgary

II. ACADEMIC RECORD

Final Degree: Doctor of Philosophy

Completed: 2007
Molecular Medicine
Institute of Medical Science, University of Toronto, Toronto, Ontario, CANADA

i) Undergraduate:

Bachelor of Science (Honours), Specialized Honours Medical Toxicology, Collaborative Toxicology Program, University of Guelph, Guelph, Ontario, CANADA (1988-1992)

Doctor of Medicine, Faculty of Medicine, University of Toronto, Toronto, Ontario, CANADA, (1992-1996)

ii) Postgraduate:

Psychiatry Residency, University of Toronto, Toronto, Ontario, CANADA (1996-2001)

Fellowship, Psychiatry, Department of Psychiatry, University of Toronto, Toronto, Ontario, CANADA (2001-2005)

iii) Licensure, certification and boards

Medical license, College of Physicians and Surgeons of Ontario, License #70154 (2001 – 2015)

Medical license, College of Physicians and Surgeons of Alberta, License #025855 (2015 - *)

FRCPC, Psychiatry, Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, CANADA (2001)

Child Psychiatry Subspecialty, Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, CANADA (2013)

iv) Other:

Partners in Leadership Program, Rotman School of Management, Toronto, ON, CANADA (2014-2015)

Cumming School of Medicine Leadership Program, University of Calgary, Calgary, AB, CANADA (2018-2019)

III. AWARDS AND DISTINCTIONS

Received

- 2017 Compelling Calgarians – Selected as one of Calgary Herald’s “20 People to Watch in 2017”
- 2009 – 2016 Associate, American College of Neuropsychopharmacology, Brentwood, Tennessee, USA. Distinction, Neuropsychopharmacology
Distinction and membership in international organization given to accomplished investigators in neuropsychopharmacology, based on competitive application process.
- 2009 “Recommended” Rating, Faculty of Medicine 1000, London, UK.
Distinction, Psychiatry
For Arnold et al (2009), “Glutamate receptor gene (GRIN2B) associated with reduced anterior cingulate glutamatergic concentration in pediatric obsessive-compulsive disorder.” Psychiatry Research: Neuroimaging. Rating received June 30, 2009
- 2008 The John M. Cleghorn Award for Excellence as a Newly Established Researcher, University of Toronto, Toronto, Ontario, CANADA.
New Investigator Award, Department of Psychiatry
Award for best presentation in new investigator category, Psychiatry Research Day
- 2006 CIHR Collaborative Graduate Training Program in Molecular Medicine Travel Award, Canadian Institutes for Health Research (CIHR), Ottawa, Ontario, CANADA.
Travel Award, Molecular Medicine
\$1000 (USD)
- 2005 “Hot Topics” Session. American College of Neuropsychopharmacology, Brentwood, Tennessee, USA.
One of 20 featured presentations selected from meeting submissions for ACNP Meeting.
Distinction, Neuropsychopharmacology
For oral presentation “Glutamate transporter gene (SLC1A1) associated with obsessive-compulsive disorder”. Presentation given Dec 11, 2005
- 2005 Gregory M. Brown Graduate Scholarship in Science and Technology, Role: . student, Awarded by Government of Ontario, CANADA.
Graduate Scholarship, Psychiatry
- 2005 Department of Psychiatry Fellowship Travel Award, Role: Fellow, University of Toronto, Toronto, Ontario, CANADA.
Travel Award, Psychiatry
- 2004 - 2006 Travel Award, American College of Neuropsychopharmacology, Brentwood, Tennessee, USA.
Travel Award, Neuropsychopharmacology
Awarded to distinguished young scientists in the field of neuropsychopharmacology to participate in ACNP, includes attendance of annual meeting and assigned mentors.

- 2004 Career Development Award, Anxiety Disorders Association of America, Silver Spring, Maryland, USA.
Travel Award, Anxiety Disorders.
Given to help early career professionals who have a research interest in anxiety and anxiety-related disorders, supports travel to present research at annual meeting.
\$500 (USD) travel stipend
- 2003 Colloquium for Junior Investigators, American Psychiatric Institute for Research and Education (APIRE), Arlington, Virginia, USA.
Travel Award, Psychiatry
Selected to attend all-day workshop for junior psychiatric investigators in conjunction with American Psychiatry Association annual meeting.
\$1000 (USD) travel stipend
- 2002 Young Investigators' Slide Session Selected as one of the 36 top rated new research abstracts submitted for annual meeting, American Psychiatric Association, Washington, DC, USA.
Distinction, Psychiatry
For oral presentation "Association of a glutamate (NMDA) receptor polymorphism with obsessive-compulsive disorder". Presentation given May 20, 2002.
- 2002 Division of Child and Adolescent Psychiatry Postdoctoral Fellowship Award of Merit, Role: Fellow, University of Toronto, Toronto, Ontario, CANADA.
Trainee Merit Award, Child and Adolescent Psychiatry
Awarded for scholarly work performed during post-doctoral fellowship.
- 2001 CACAP Best Poster Submitted by a Resident Award, Canadian Academy of Child and Adolescent Psychiatry (CACAP), Ottawa, Ontario, CANADA.
Trainee Presentation Award, Psychiatry
- 2001 Robin Hunter Memorial Travel Award, Role: Graduating Resident, Department of Psychiatry, University of Toronto, Toronto, Ontario, CANADA.
Travel Award, Psychiatry
Awarded funds to attend short course in Medical and Experimental Mammalian Genetics.
- 1999 Colloquium for Junior Investigators, APIRE, Arlington, Virginia, USA. Travel Award, Psychiatry. As above.
- 1994 International Health Education Program Grant, Government of Canada.
- 1993 – 1996 Dean's Honour List, Role: Medical Student, Faculty of Medicine, University of Toronto, Toronto, Ontario, CANADA.
Distinction, Medicine.
Recipient in years I - IV.

- 1993 Walter F. Watkins Scholarship, Role: Medical Student, Faculty of Medicine, University of Toronto, Toronto, Ontario, CANADA.
Scholarship, Medicine
Awarded for academic excellence.
- 1993 Dalrymple Summer Scholarship, Role: Medical Student, Faculty of Medicine, University of Toronto, Toronto, Ontario, CANADA.
Summer Research Scholarship, Medicine
- 1991 – 1992 Natural Sciences and Engineering Research Council (NSERC) Undergraduate Summer Research Awards, NSERC, Ottawa, Ontario, CANADA.
- 1991 Wellington Laboratories Prize in Environmental Chemistry, Undergraduate Student, University of Guelph, Guelph, Ontario, CANADA.
Course Prize, Chemistry
- 1988 Canada Scholarship, Government of Canada
- 1988 Introductory Chemistry Prize, Undergraduate Student, University of Guelph, Guelph, Ontario, CANADA.
- 1988 University of Guelph Entrance Scholarship, Undergraduate Student, University of Guelph, Guelph, Ontario, CANADA.

Nominated

- 2012 – 2016 Early Researcher Award, Ontario Ministry of Research and Innovation, Toronto, ON, Canada (Nominated by institution - Hospital for Sick Children)
- 2011 Area of Focus, “Imaging Genomics in Childhood Neuropsychiatric Disorders”, Hospital for Sick Children Research Institute, Toronto, ON, Canada.
Principal investigator on one of six proposals selected from 20 in total from across the Research Institute.
- 2004 Mental Health Research Fellowship, Role: Fellow, Department of Psychiatry, University of Toronto, Toronto, Ontario, CANADA.
Offered fellowship but declined as successful in obtaining external funding (CIHR).
- 2001 Mental Health Research Fellowship, Role: Fellow, Department of Psychiatry, University of Toronto, Toronto, Ontario, CANADA.
Offered fellowship but declined as successful in obtaining external funding (OMHF).

IV. ACADEMIC APPOINTMENTS

Current Appointments

- 2018 - * **Professor** (with Tenure), Departments of Psychiatry and Medical Genetics, Cumming School of Medicine, University of Calgary, Calgary, Alberta, CANADA

- 2015 - * **Director**, The Mathison Centre for Mental Health Research & Education
University of Calgary, Calgary, Alberta, CANADA
- 2015 - * **Alberta Innovates Health Solutions (AIHS) Translational Health Chair** in Child
And Youth Mental Health, University of Calgary, Calgary, Alberta, CANADA
- 2020 – * **Adjunct Professor**, Department of Psychiatry, Faculty of Medicine, University of Toronto
- 2015 - * **Adjunct Scientist**, Program in Genetics and Genome Biology, Research Institute,
Hospital for Sick Children, Toronto, Ontario, CANADA

Previous Appointments

HOSPITAL

- 2014 – 2015 Director of Scientific Development and Innovation, Department of Psychiatry, Hospital
for Sick Children, Toronto, Ontario, CANADA
- 2011 - 2014 Head, Anxiety Disorders Program, Department of Psychiatry, Hospital for Sick Children,
Toronto, Ontario, CANADA.
- 2011 - 2015 Staff Psychiatrist (consultant), Child, Youth, and Family Program, Centre for Addiction
and Mental Health, Toronto, Ontario, CANADA.
- 2008 – 2011 Grand Rounds Coordinator, Department of Psychiatry, Hospital for Sick Children,
Toronto, Ontario, CANADA. (Co-Grand Rounds Coordinator for 1st year 2008 - 2009)
- 2006 - 2015 Staff Psychiatrist, Department of Psychiatry, Hospital for Sick Children, Toronto, Ontario,
CANADA.
- 2006 - 2011 Staff Psychiatrist (Part-Time), Child, Youth, and Family Program, Centre for Addiction
and Mental Health, Toronto, Ontario, CANADA.
- 2001 – 2006 Staff Psychiatrist, Child, Youth, and Family Program, Centre for Addiction and Mental
Health, Toronto, Ontario, CANADA.
- Jan - June 2001 Chief Resident, Division of Child Psychiatry, University of Toronto, Toronto, Ontario,
CANADA
- Jan - June 2000 Senior Resident, Hincks-Dellcrest Centre, Toronto, Ontario, CANADA
- Jan - June 1999 Senior Resident, Schizophrenia Division, Centre for Addiction and Mental Health,
Toronto, Ontario, CANADA
- 1996 – 2001 Resident, Department of Psychiatry, University of Toronto, Toronto,
Ontario, CANADA

RESEARCH

- 2011 - 2015 Scientist, Program in Genetics and Genome Biology, Research Institute, Hospital for Sick
Children, Toronto, Ontario, CANADA.
- 2006 – 2010 Scientist-Track Investigator, Program in Genetics and Genome Biology, Research
Institute, Hospital for Sick Children, Toronto, Ontario, CANADA.
- 2001 – 2006 Research Fellow, Department of Psychiatry, Centre for Addiction and Mental Health &
University of Toronto, Toronto, Ontario, CANADA.

UNIVERSITY

- 2015 - 2018 Associate Professor (with Tenure), Departments of Psychiatry and Medical
Genetics, Cumming School of Medicine, University of Calgary, Calgary, Alberta,
CANADA
- 2012 - 2015 Associate Professor, Division of Child Psychiatry, Department of Psychiatry, Faculty of
Medicine, University of Toronto, Toronto, Ontario, CANADA.

- 2012 - 2019 Member, Graduate Faculty, Institute of Medical Science, University of Toronto, Toronto, Ontario, CANADA.
- 2008 - 2012 Assistant Professor, Division of Child Psychiatry, Department of Psychiatry, Faculty of Medicine, University of Toronto, Toronto, Ontario, CANADA.
- 2008 - 2012 Associate Member, Graduate Faculty, Institute of Medical Science, University of Toronto, Toronto, Ontario, CANADA.
- 2007 – 2008 Lecturer, Department of Psychiatry, University of Toronto, Toronto, Ontario, CANADA.

V. EDUCATIONAL ACTIVITIES

i) Undergraduate

Supervisory:

- 2021 Supervisor, Zoe Brody, Medical Student. Student's Institution: University of Alberta (received Alberta Innovates Summer Research Studentship)
- 2021 Supervisor, Lucas Chuk, Summer Research Student. Student's Institution: University of Calgary (received Alberta Innovates Summer Research Studentship)
- 2021 Supervisor, Winjoy Tiop, Summer Research Student. Student's Institution: University of Calgary.
- 2021 Supervisor, Elsa Reisenhofer, Summer Research Student. Student's Institution: University of Calgary.
- 2021 Supervisor, Daniel Shi, Summer Research Student. Student's Institution: University of Calgary.
- 2021 Supervisor, Sabine Bonnor, Summer Research Student. Student's Institution: University of Calgary.
- 2021 Supervisor, Suzanne Ferris, Summer Research Student. Student's Institution: University of Calgary.
- 2021 Supervisor, Wasi Karim, Summer Research Student. Student's Institution: University of Exeter, UK.
- 2020 Supervisor, Roy Han, Research Volunteer, Student's Institution: University of Calgary.
- 2020 Supervisor, Kandace Peroramas, Summer Research Student. Student's Institution: University of Calgary.
- 2020 – 2021 Supervisor, Rufina Kim, Summer Research Student and Undergraduate Thesis Student. Student's Institution: University of Calgary.

- 2020 Supervisor, Isabella Frey, Heritage Youth Researcher Summer (HYRS) Program Student. Student's Institution: High School Student.
- 2020 Supervisor, Ethan Kao, Summer Research Student. Student's Institution: University of Calgary
- 2020 Supervisor, Allen Vorobeichik, Medical Student Volunteer. Student's Institution: University of Calgary.
- 2019 – 2021 Supervisor, Parker Townes, Summer Research Student. Student's Institution: University of Ottawa.
- 2018 - 2019 Supervisor, Kassem Ayman Omar, Summer Research Student and Undergraduate thesis student. Student's Institution: University of Calgary
- Summer 2017 Supervisor, Alireza Ramazani, Summer Research Student. Student's Institution: University of Calgary
- Summer 2017 Supervisor, Yekeen Abu-Shiraz, Summer Research Student, Student's Institution: Queen's University
Summer 2018
- Summer 2017 Supervisor, Shoshana Weiss, Summer Research Student, Student's Institution: Mount Royal University
- Summer 2015 Supervisor, Dustin Sokolowski, Summer Research Student, Student's Institution: University of Western Ontario
- 2015 - 2016 Supervisor, Rageen Rajendram, Medical Student, University of Toronto. Comprehensive Research Experience for Medical Students (CREMS) Longitudinal research scholarship.
- 2014 - 2015 Supervisor, Amirah Momen, Medical Student, University of Toronto. Determinants of Community Health research project.
- 2013 – 2014 Supervisor, Vernie Aguda, Student's Position: Undergraduate Thesis Student (September 1, 2013 – April 2014), Summer Undergraduate Student (May 1, 2014 – August 2014), Student's Institution: University of Toronto
- 2012 – 2014 Supervisor, Amirah Momen, Student's Position: Undergraduate Thesis Student (September 2012 – April 2013), Summer Research Student (May 2013 – August 2013), (June 2014 – August 2014) Student's Institution: University of Toronto
- 2012 - 2013 Supervisor, Zsuzsa Buchwald, Student's Position, Volunteer Research Student (May – December 2012), Summer Student (co-supervised with Dr. Jason Lerch, May 2013 – August 2013). Student's Institution: University of Florida.
- 2011 – 2012 Supervisor, Wei Zhu, Student's Position: Undergraduate Thesis Student, Student's Institution: University of Toronto. 4th Year, An Imaging Genetics Study of Neurodevelopmental Genes in Obsessive-Compulsive Disorder.

- 2011 – 2012 Supervisor, Marlena Colasanto, Student's Position: Undergraduate Thesis Student, Student's Institution: University of Toronto. 4th Year, The Toronto Population-Based Obsessive-Compulsive Scale (TPOCS): Evaluation of a novel self/parent-report instrument for measuring obsessive-compulsive symptoms in children and adolescents. Collaborators: Russell Schachar, Jennifer Crosbie.
- 2011 Supervisor, Rose Marie Badame, Student's Position: Summer Research Student, Student's Institution: University of Toronto. 4th Year, An association study of candidate dopaminergic gene polymorphisms and response inhibition in children. Awards: Institute of Medical Science (IMS) Summer Student Research Award, Selected to give oral presentation at IMS Summer Student Research Day. Collaborators: Russell Schachar, Jennifer Crosbie.
- Summer 2011 Supervisor, Rebecca Brown, Student's Current Position: Medical Student, Student's Current Institution: University of Toronto. Year 1, Gene-based analysis of the association of glutamate system genes in Obsessive-Compulsive disorder (OCD). Awards: Comprehensive Research Experience for Medical Students (CREMS) Summer scholarship.
- 2010 – 2011 Supervisor, Laura Park, Student's Position: Undergraduate Thesis Student, Student's Institution: University of Toronto. 4th Year, Stop signal task as an endophenotype of obsessive-compulsive traits in children and adolescents. Collaborators: Russell Schachar, Jennifer Crosbie. Completed 2011.
- Summer 2010 Supervisor, Ke Wu, Student's Position: Summer Research Student, Student's Institution: University of Toronto. 4th Year, Population-based association study of glutamatergic candidate genes in endophenotypes of obsessive compulsive disorder (OCD) Awards: Institute of Medical Science (IMS) Summer Student Research Award, Collaborators: Russell Schachar, Jennifer Crosbie, David Rosenberg, Gregory Hanna.
- Summer 2010 Supervisor, Sarah Ickowicz, Student's Position: Medical Student, Student's Institution: University of Toronto. Year 1, Population-based association study of dopaminergic candidate genes in attention deficit hyperactivity disorder and response inhibition. Awards: CREMS Summer scholarship.
- 2009 – 2010 Supervisor, Bridget Doan, Student's Position: Undergraduate Thesis Student, Student's Institution: St. Francis Xavier University. 4th Year, Investigating the association between symptom subtypes of obsessive-compulsive disorder and the glutamate genes SLC1A1, DLGAP3 and GRIN2B. Collaborators: Peggy Richter. Completed 2010.
- 2009 – 2010 Supervisor, Vanessa Sinopoli, Student's Position: Undergraduate Thesis Student, Student's Institution: McMaster University. 4th Year, A preliminary genetic association study of the serotonin transporter and response inhibition as a potential OCD endophenotype in children. Collaborators: Russell Schachar, Jennifer Crosbie. Completed 2010.

- Summer 2009 Supervisor, Eijiro Yamashita, Student's Position: Summer Research Student, Student's Institution: Kyoto Prefectural University of Medicine, Japan. 4th Year, A collaborative family- based association study of a glutamate receptor gene (GRIN2B) in obsessive-compulsive disorder. Collaborators: SE Stewart, MA Richter, JL Kennedy, CA Mathews, GL Hanna.
- Summer 2008/9 Supervisor, Stephanie Taillefer, Student's Position: Summer Research Student, Student's Institution: Queen's University. Years 3 to 4, The association between glutamatergic genes (DLGAP3, SLC1A1, and GRIN2B) in an international collaborative sample. Awards: Selected to give oral presentation at SickKids Summer Research (SSuRe) Program Research Day. Collaborators: SE Stewart, CA Mathews, GL Hanna
- Sep – Dec 2007 Mentor, Monika Janus, Student's Position: Undergraduate Student, Human Biology 397F Scientific Communication, Student's Institution: University of Toronto. Year 4. Glutamate and its role in obsessive-compulsive disorder [literature review].
- Summer 2007 Supervisor, Jennifer Beneteau, Student's Position: Summer Research Student, Student's Institution: McMaster University. Year 4, The association between sequence variation in the serotonin transporter gene and obsessive-compulsive symptom dimensions. Collaborators: MA Richter, JL Kennedy
- Summer 2005/06 Supervisor, Quinton Van Adrichem, Student's Position: Summer Research Student. Student's Institution: University of Waterloo. Years 2 and 3. Potential involvement of the dopamine receptor D1 in obsessive-compulsive disorder. Collaborators: MA Richter, JL Kennedy

Courses/Tutoring:

- 2002 – 2007 Annual Psychiatry Institute: Childhood Obsessive-Compulsive Disorder Case-based electives for Year 2 medical students (2002-2004, 2007)
Hours Direct Teaching: 3 hours annually
- 2001 - 2006 Third Year Clerkship for Medical Students, Child and Adolescent Psychiatry Rotation – Seminar & Patient Interview Clinic
Hours Direct Teaching: 2.5 hours once every 6 week rotation.
- 1998 – 1999 Tutor, Art and Science of Clinical Medicine II
Interviewing skills course for Year 2 medical students Hours Direct Teaching: 3 hours per week.
- 1997 – 1998 Tutor, Art and Science of Clinical Medicine I
Interviewing skills course for Year 2 medical students Hours Direct Teaching: 3 hours per week for 3 months

ii) Graduate**Supervisory (current):**

- 2021 - * Primary Supervisor, Rufina Kim, Student's Position: M.Sc. student, MDSC Program, University of Calgary.
- 2018 - * Primary Supervisor, Lilit Antonyan, Student's Position: PhD student, MDSC Program, University of Calgary. "Genome-Wide Associations with Obsessive-Compulsive Behaviours and Delineation of Error-Related Negativity (ERN) as an Electrophysiological Endophenotype"
- 2016 - * Primary Supervisor, Emily MacPhail, Student's Position: Ph.D.. student, Leaders in Medicine Program, University of Calgary. "The role of the microbiome and dietary zinc in obsessive-compulsive disorder in youth".

Graduate Committees (current):

- 2021 - * Committee Member, Anita Oomen, Student's Position: M.Sc. student, MDCH Program, University of Calgary, Primary Supervisor: Chad Bousman.
- 2021 - * Committee Member, Conne Lategan, Student's Position: M.Sc. student, MDSC Program, University of Calgary. Primary Supervisor: Stephen Freedman.

Supervisory and Graduate Committees (past):

- 2021 Examiner, Thesis Defence, Preeti Kar, Ph.D. Student.
- 2018 - 2021 Committee Member, Matthew Joel, Student's Position: M.Sc student. Primary Supervisor: Gerald Pfeffer
- 2016 - 2021 Committee Member, Mehrafarin Ramezani, Student's Position: Ph.D, student, Neuroscience Graduate Program, University of Calgary. Supervisory: Dr. Oury Monchi.
- 2017 - 2020 **Primary Supervisor**, Kim Corrigan, Student's Position: M.Sc. student, Medical Sciences (MDSC) Graduate Program, University of Calgary. "Impact of Child Abuse on Brain Architecture".
- 2019 Examiner, Field of Study Exam, Carly Pontifex, PhD student
- 2016 - 2018 Committee Member, Quinn McLellan, Student's Position: M.Sc. student, Neuroscience Graduate Program, University of Calgary. Primary Supervisor: Dr. Frank MacMaster.
- 2016 - 2017 Committee Member, Paula Harvalik, Masters of Nursing, University of Calgary (defended May 2017).
- 2014 - 2015 **Primary Supervisor**, Sahar Borairi, Master's Student. Student's Institution: Institute of

- Medical Science (University of Toronto) September 2014 – August 2015 (remained on committee until August 2016, primary supervision transferred to Dr. Russell Schachar).
- 2014 - 2015 Committee Member, Hamidreza Saghir, Student's Position: Master's Student. Student's Institution: Institute of Biomaterial and Biomedical Engineering, Primary Supervisor: Dr. Tom Chau.
- 2013 - 2020 Committee Member, Tracy Bhikram, Student's Position: Ph.D. Student, Student's Institution: Institute of Medical Science (University of Toronto). Primary Supervisor: Dr. Paul Sandor
- 2013 - 2015 **Primary Supervisor**, Marlena Colasanto, Master's Student. Student's Institution: Institute of Medical Science (University of Toronto)
- 2013- 2015 Committee Member, Gwyneth Zai, Student's Position: . Student. Student's Institution: Institute of Medical Science (University of Toronto). Primary Supervisor: Dr. James Kennedy.
- 2012 - 2014 **Primary Supervisor**, Rageen Rajendram, Student's Position: Master's Student. Student's Institution: Institute of Medical Science (University of Toronto). September 2012 to August 2014.
- 2012 - 2013 Committee Member, Emily Jones, Student's Position: Master's Student. Student's Institution: Institute of Medical Science (University of Toronto). Primary Supervisor: Dr. Katharina Manassis, to December 2013.
- 2012 - 2013 Thesis Reviewer, Ayesha Malik, Student's Position: . Student's Institution: IMS, University of Toronto. Primary Supervisor: Dr. Joe Beitchman.
- 2011 - 2013 Committee Member, Joana Dida, Student's Position: Master's Student. Student's Institution: Institute of Medical Science (University of Toronto). Primary Supervisor: Dr. Lucy Osborne, to August 2013.
- 2011 – 2013 **Primary Supervisor**, Laura Park, Student's Position: Masters Student, Student's Institution: Institute of Medical Science (University of Toronto). Year 1, Identifying and characterizing heritable subtypes of childhood obsessive-compulsive disorder. Collaborators: Russell Schachar, Jennifer Crosbie, to December 2013.
- 2011 - 2013 Committee Member, Changgun Lee, Student's Position: Masters Student, Student's Institution: Institute of Medical Science (University of Toronto). Year 1 Primary Supervisor: Dr. Katharina Manassis, May 2013.
- 2011 Thesis Reviewer, Dr. Abdul Noor, Student's Position: . Student Student's Institution: University of Toronto. Primary Supervisor: Dr. John Vincent
- 2010 – 2019 **Primary Supervisor**, Vanessa Sinopoli, Student's Position: Ph.D. Student, Student's Institution: Institute of Medical Science (University of Toronto). "A Genetic Study of Children Associating Obsessive-compulsive Traits with Serotonin Transporter Variants".

Awards: 2011 Recipient of CIHR Master's Award (Banting & Best Scholarship), 2011 Recipient of Hospital for Sick Children Trainee Start Up Fund, 2011 Ontario Graduate Scholarship (OGS), 2011 Hospital for Sick Children Research Training Competition (Restracomp).

Collaborators: Russell Schachar, Jennifer Crosbie.

- 2010 Thesis Reviewer, Dr. Seena Grewal, Student's Position: Masters Student, Student's Institution: Institute of Medical Science (University of Toronto). A comparison of the presentation and outcome of anorexia nervosa in early and late adolescence. Primary Supervisor: Dr. Blake Woodside. Completed 2010.
- 2008 – 2011 Committee Member, Jennifer Scully, Student's Position: . Student, Student's Institution: Ontario Institute for Studies in Education (OISE, University of Toronto), Child and Family Predictors of Treatment Response in Childhood Obsessive-Compulsive Disorder. Primary Supervisor: Dr. Sandra Mendlowitz, Completed 2011.
Post-Graduate (Research and Clinical Fellows)

Courses/Seminars:

- 2013 – 2015 **Molecular Approaches to Mental Health and Addictions** (Graduate Course, Institute of Medical Science, University of Toronto). Designed, directed (with co-director Dr. Daniel Mueller) course for Master's and PhD students (class size = 15). Half year course taught annually in winter term (Jan-April)
- 2012 MD Careers Seminar: Clinician Scientist Panel: Informal seminar given to Graduate Students regarding the career of a clinician-scientist, May 24, 2012

iii) Post-Graduate

Research and Clinical Fellows:

Administration:

- 2014 – 2015 Fellowships Coordinator, Department of Psychiatry, Hospital for Sick Children, Toronto

Supervisory:

- 2021 Supervisor, Dr. Alexa Geddes, Pediatrics Resident, Clinical Rotation (OCD Clinic), Alberta Children's Hospital
- 2021 Supervisor, Dr. Christine Sveinson, Medical Student, Clinical Rotation (OCD Clinic), Alberta Children's Hospital
- 2020 Supervisor, Dr. Andrew Dutcher, PGY6 Resident, Clinical Rotation (OCD Clinic), Alberta Children's Hospital
- 2020 (April – June) Supervisor, Dr. Qasim Hirani, Subspecialty Child Psychiatry Resident, Clinical Rotation (OCD Clinic), Alberta Children's Hospital [PA1]

- 2017 Supervisor, Dr. Iliana Garcia-Ortega, Subspecialty Child Psychiatry Resident, Clinical Rotation (OCD Clinic), Alberta Children's Hospital
- 2018-2020 Primary Supervisor, Dr. Abdullah Al Maruf, Student's Position: Postdoctoral Fellow, University of Calgary. (now **Assistant Professor**, University of Manitoba)
- July 2017 - * Primary Supervisor, Dr. Pardis Pedram, Student's Position, Postdoctoral Fellow, University of Calgary
- 2012 - 2015 Primary Supervisor, Dr. Christie Burton, Student's Position: Postdoctoral Fellow, Student's Institution: Hospital for Sick Children. "Examining the Possible Role of Dopamine and Glutamate Gene Networks in Response Inhibition to Understand the Genetics of Childhood Neuropsychiatric Disorders". Co-supervisor: Dr. Russell Schachar
- 2011 – 2015 Co-Supervisor, Dr. Darci Butcher, Student's Position: Postdoctoral Fellow, Student's Institution: Hospital for Sick Children. "DNA Methylation Profiles of Paediatric Obsessive Compulsive Disorder (OCD): Combining Clinical and Neuroimaging Phenotypes to Identify Epigenetic Alterations". Primary Supervisor: Dr. Rosanna Weksberg
- 2013 – 2014 Primary Supervisor: Dr. Sefi Kronenberg. Psychiatry Fellow (MD). Hospital for Sick Children.
- 2013 – 2014 Primary Supervisor: Dr. Holly McGinn, Psychiatry Fellow (. Psychologist), Hospital for Sick Children
- 2010 – 2013 Co-Supervisor, Dr. Stephanie Ameis, Student's Position: Clinical Research Fellow, Student's Institution: University of Toronto. September 1, 2013 – June 2013. White Matter Integrity and Neural Activation within Fronto-Striatal Circuitry in Childhood OCD. Primary Supervisor: Dr. Russell Schachar, Co-supervisor: Dr. Donald Mabbott.

Residents:**Teaching:**

Psychiatry Resident Academic Half-Day Seminar: "Genetics in Psychiatry" (May 5, 2016). Hours Direct Teaching: 3.0

Subspecialty Child Psychiatry Resident Academic Half-Day Seminar: "Pediatric Obsessive-Compulsive Disorder" (February 18, 2016). Hours Direct Teaching: 3.0

Child Psychiatry Divisional Career-Track (PGY4 & PGY5) Seminars: "Pediatric Obsessive-Compulsive Disorder" (October 31, 2011) Hours Direct Teaching: 1.0

Child Psychiatry Divisional Core (PGY3) Seminars: "Anxiety Disorders" (February 17, 2011) Hours Direct Teaching: 1.5

Child Psychiatry Divisional Career-Track (PGY4 & PGY5) Seminars: "Pediatric Obsessive-Compulsive Disorder" (October 16, 2009) Hours Direct Teaching: 1.5

Child Psychopharmacology Seminar Series: "OCD and Other Anxiety Disorders" (March 26, 2009) Hours Direct Teaching: 1.5

Child Psychiatry Divisional Career-Track (PGY4 & PGY5) Seminars: "Balancing a Family and a Career" with Dr. Pier Bryden (March 12, 2009) Hours Direct Teaching: 1.5

Child Psychopharmacology Seminar Series: "Psychopharmacology of Pediatric Obsessive-Compulsive Disorder" (Feb 7, 2007) Hours Direct Teaching: 1.5

Child Psychiatry Divisional Core (PGY3) Seminars "Childhood Obsessive-Compulsive Disorder and PANDAS" (bi- annually between September 2003 and July 2005) Hours Direct Teaching: 1.5

Child Psychiatry Divisional Core (PGY3) Seminars "Development of School Age Children" (August 27, 2002; Jan 9, 2003) Hours Direct Teaching: 1.5

Child Psychiatry Divisional Career-Track (PGY4 & PGY5) Seminars: "Childhood Obsessive-Compulsive Disorder" (November 21, 2002). Hours Direct Teaching: 1.5

iv) Continuing Medical Education

September 2017 – June 2018

42nd Annual Family Practice Review and Update Course- Pearls for Practice, OCD in Children and Adolescents

Web-based course: "Pediatric Obsessive-Compulsive Disorder: Clinical Overview and Approach to Management", Healthy Minds Healthy Children, Alberta Health Services, April 2017. Hours Direct Teaching: 20

Coordinator (Sept 2009 – June 2011), Co-Coordinator (Sept 2008 – June 2009) Psychiatry Grand Rounds: Facilitated weekly grand rounds series targeted to a multidisciplinary group of mental health professionals and trainees, including both local hospital audience and remote sites participating by videolink. Hospital for Sick Children, Toronto, ON, Sept 2008 – June 2011. Hours Direct Teaching: 80.

"The ABC's of OCD: Overview and Strategies for Front-line Practitioners". Workshop presented with Dr. Sandra Mendlowitz at "Treating Anxiety- Children and Youth", sponsored by North Toronto Children's Services Network, Ryerson University, Toronto, ON, Feb 4, 2009 Hours Direct Teaching: 2

"Evidence Based Practice in Obsessive-Compulsive Disorder". Workshop presented at "Evidence Based Treatment in Children's Mental Health". Credit Valley Hospital, Mississauga, ON, November 19, 2007. Hours Direct Teaching: 1

"Recognizing and Treating Obsessive-Compulsive Spectrum Disorders". Two workshops (intermediate and advanced) presented at Update in Child and Adolescent Psychiatry. Hospital for Sick Children, Toronto, ON, November 24, 2005. Hours Direct Teaching: 4

“What Is New in Managing OCD in Children and Adults?” Diagnosis and Treatment of Children with Neuropsychiatric Disorders lecture series. Youthdale Treatment Centre, Toronto, ON, March 9, 2005, Hours Direct Teaching: 1

“Pharmacotherapy of OCD” – Workshop, Toronto Psychopharmacology Update Day, Centre for Addiction and Mental Health March 22, 2003 and March 20, 2004. Hours Direct Teaching: 4
 “Management of Obsessive-Compulsive Disorder” - Workshop, Toronto Advanced Psychopharmacology for Psychiatrists Course, Centre for Addiction and Mental Health April 3, 2002; March 26, 2003. Hours Direct Teaching: 4

“Pharmacotherapy of Obsessive-Compulsive Disorder” – Workshop, Toronto Intermediate Psychopharmacology for Psychiatrists Course, Centre for Addiction and Mental Health March 20, 2002 Hours Direct Teaching: 2

VI. ADMINISTRATIVE RESPONSIBILITIES

2015 - * Director, The Mathison Centre for Mental Health Research & Education, University of Calgary, Calgary, Alberta, CANADA

2014 – 2015 Director of Scientific Development and Innovation, Dept. of Psychiatry, Hospital for Sick Children, Toronto, Ontario, CANADA

2011 – 2014 Head, Anxiety Disorders Program, Department of Psychiatry, Hospital for Sick Children, Toronto, Ontario CANADA

VII. PROFESSIONAL ACTIVITIES

Committees

2017 - 2018 **Regional Co-Chair**, National Committee, CAMH Difference Makers, 150 Leading Canadians for Mental Health.

2012 – 2017 Member, Research and Scientific Program Committee, Canadian Academy of Child

2014 - 2015 **Co-Chair**, Centre for Brain and Mental Health Research Committee, Hospital for Sick Children

2013 – 2015 Member, Executive Committee, Brain and Therapeutics Division, Department of Psychiatry, University of Toronto

2008 – 2011 Mentorship Committee, Division of Child Psychiatry, Hospital for Sick Children, Toronto, ON

2007 – 2013 Cross Talks Organizing Committee, Brain & Behaviour Centre

2007 – 2008 Academic Trust Fund Committee, Dept. of Psychiatry, Hospital for Sick Children

2001 – 2004 Fellow’s Representative, Child Psychiatry Fellowship and Research Committee

2001 (Jan-Jun) Divisional Executive Committee, Division of Child Psychiatry, U. of Toronto
 Training Committee, Division of Child Psychiatry, U. of Toronto

1999 (Jan-June) Joint Emergency Services Task Force, Centre for Addiction and Mental Health

1998 – 1999 Resident Representative, Research Executive Committee, Dept. of Psychiatry.
 Senior Advisory Committee, Dept. Of Psychiatry, University of Toronto
 Department of Psychiatry Postgraduate Education Committee

Peer Review Activities**GRANT REVIEWS**

2017 - * CIHR College of Reviewers
 2017 BC Children's Hospital, Brain, Behaviour and Development Theme, "Catalyst Grants"
 2014 - * CIHR Stage 1 Foundation, Member, Review Committee
 2014 Pediatric Oncology Group of Ontario (POGO), Research Fellowship Training Grant,
 Number of Reviews: 1 Ad hoc reviewer
 2013 - * International OCD Foundation (IOCDF), Member, Grant Review Committee, Number of
 Reviews: 4
 2013 - * CIHR – Diabetes, Obesity, Lipid and Lipoprotein Disorders (LOL) Committee, Ad hoc
 reviewer
 2013 - * Centre for Addiction and Mental Health Postdoctoral Fellowship Review Committee
 2012 - * Cystic Fibrosis Canada, Ad hoc reviewer
 2012 - * Czech Science Foundation, Ad hoc reviewer
 2011 - * Canadian Institutes for Health Research (CIHR), Member, Behavioural Sciences B
 Committee, Number of Reviews: 15
 2010 – 2014 Ontario Mental Health Foundation (OMHF), Member, Fellowships Committee, Number
 of Reviews: 19
 2010 Autism Speaks "Trailblazer" Awards, Ad hoc reviewer,
 Number of Reviews: 2
 2006 - 2013 Hospital for Sick Children, Member, Psychiatry Endowment Fund Committee, Number of
 Reviews: 14

EDITORIAL BOARDS

2015 – 2018 Assistant Editor, Journal of the Canadian Academy of Child and
 Adolescent Psychiatry

MANUSCRIPT REVIEWS

2017 Aggressive Behavior
 2016 - * Comprehensive Psychiatry
 2014 – Journal of Psychiatry and Neurosciences
 2011 Human Genetics, Number of Reviews: 1
 2010 – * American Journal of Psychiatry, Number of Reviews: 1
 2010 – * Journal of Abnormal Psychology, Number of Reviews: 2
 2010 Journal of Child and Adolescent Psychopharmacology, Number of
 Reviews: 1
 2010 – * Neuropharmacology, Number of Reviews: 2
 2009 Behavioural Brain Research, Number of Reviews: 1
 2009 – * CNS Neuroscience & Therapeutics, Number of Reviews: 4
 2008 – * American Journal of Medical Genetics, Neuropsychiatric Genetics,
 Number of Reviews: 22
 2008 – * Journal of the American Academy of Child & Adolescent Psychiatry, Number of Reviews:
 9
 2007 – * Annals of Medicine, Number of Reviews: 2
 2007 Expert Review of Neurotherapeutics, Number of Reviews: 1
 2007 International Clinical Psychopharmacology, Number of Reviews: 1
 2007 – * Psychiatry Research, Number of Reviews: 2

- 2006 – * Archives of General Psychiatry, Number of Reviews: 6
 2006 – * Biological Psychiatry, Number of Reviews: 6
 2006 – * Depression and Anxiety, Number of Reviews: 3
 2006 Molecular Psychiatry, Number of Reviews: 1
 2006 – * Neuroscience Letters, Number of Reviews: 3
 2005 The Pharmacogenomics Journal, Number of Reviews: 1
 2004 Progress in Neuro-psychopharmacology and Biological Psychiatry, Number of Reviews: 1

PRESENTATION REVIEWS

- 2013 – * Anxiety and Depression Association of America (ADAA)
 2013 – * Canadian Academy of Child and Adolescent Psychiatry

MULTI-SITE COLLABORATIVE GROUPS/CONSORTIA

- 2015 - * Psychiatric Genomics Consortium: Executive Committee, OCD/Tourette Syndrome working group
 2007 – * Member, International OCD Foundation (IOCDF) Genetics Collaborative Steering Committee International Committee to design and implement genome-wide association studies of OCD Chair of Pathway/network analysis working group
 Team leader of Study Design working group Member, Analytic Subcommittee
 Member, Copy Number Variant Subcommittee
 2004 – * Member, Genetics Collaborative. International OCD Foundation (IOCDF), Boston, MA, USA

CHAIR, ACADEMIC SYMPOSIA

- 2016 Symposium Co-Chair, 22nd International Association for Child and Adolescent Psychiatry and Allied Professionals (IACAPAP) World Congress, Calgary, AB
 “What Population-Based Samples can tell us about the Etiology of Childhood Psychopathology”. Sept 20, 2016
 2016 Symposium Chair, 22nd International Association for Child and Adolescent Psychiatry and Allied Professionals (IACAPAP) World Congress, Calgary, AB
 “Research on Childhood Sexual Abuse: Psychosocial, Neurobiological and Legal Perspectives”. Sept 19, 2016
 2016 Symposium Chair, International OCD Foundation 2016 Annual Meeting, Chicago IL, USA
 “How Phenomics and Genomics have Improved our Understanding of Obsessive-Compulsive and Related Disorders (OCRD)”
 July 29, 2016.
 2015 Symposium Chair, World Congress of Psychiatric Genetics, 2015 Annual Meeting. Toronto, Ontario, Canada
 “Genetics of Research Domain Criteria (RDoC).” October 19, 2015.
 2014 Symposium Chair, 34th Annual Conference. CACAP Annual Meeting, Toronto, Ontario, CANADA.
 “DNA Doesn’t Read the DSM-5: Cross-Disorder Genetic Risk Factors”. September 14, 2014.
 2009 Symposium Chair, 29th Annual Conference. CACAP Annual Meeting, Toronto, Ontario, CANADA.
 “Nature and Nurture in the Etiology and Development of OCD” Invited Symposium on November 13, 2009

2003 Symposium Co-Chair, Annual Meeting. ADAA, Silver Spring, MD, USA.
 “Psychological and Medical Interventions for Childhood OCD” Annual Meeting on March 29, 2003

SCIENTIFIC ADVISORY BOARDS/COMMITTEES

2019 - * Scientific Advisory Board, UBC Institute of Mental Health
 2016 - * Provincial Research Advisory Group (PRAG), Calgary Counselling Centre.
 2011 – * Scientific Advisory Committee, The Canadian Institute for Obsessive Compulsive Disorders (CIOCD)
 2006 – * Advisory Committee, Quebec Obsessive-Compulsive Foundation (QOCF). Montreal, PQ, CANADA

STUDENT ABSTRACT JUDGING/REVIEWING

2011, 2013 Judge, Institute of Medical Science (IMS) Research Day
 2011 Judge (Poster), SickKids Summer Research (SSuRe) Day.

VIII. RESEARCH SUPPORT

PEER-REVIEWED GRANTS

Funded (current or pending)

09/2021 – 08/2024 **Co-Investigator.** “Measuring What Matters: Development and Dissemination of a Core Outcome Set (COS) for Clinical Trials in Pediatric Anxiety Disorders”. Canadian Institutes for Health Research. \$386,326 CAD

04/2021 – 03/2026 **Program Lead.** "A Framework for Research in Emerging Adults", Alberta Children's Hospital Foundation, (Co-Program Lead, April Elliott), \$4,625,561

01/2021 – 01/2022 **Co-Investigator.** “Enhancing Reliance Among Vulnerable Youth Through Online Delivery of a Brief, Evidence-Based Psychotherapy”, Government of Alberta, Mental Health and Addiction Covid-19 Community Funding Application, \$48,000

01/2020 – 03/2026 **Program Lead** “Child and Adolescent Mental Health Research Program”, Alberta Children’s Hospital Foundation. (Co-Program Lead: Susan Graham), \$5,008,450.

2020 – 2022 **Co-Investigator.** “A Brief, Online Psychotherapy Intervention to Support UC Students During the Pandemic”. University of Calgary, COVID-19 Giving Day Fund. \$10,000

2020 – 2023 **Co-Site Lead.** “Implementation of a Youth Suicide Prevention Intervention: Learning How to Export Nationally”. Canadian Children’s Hospital Foundation, Sobey’s Inc and Sobey’s Foundation. \$1,173,875

04/2020 – 04/2027 **Co-Investigator.** “Canadian Consortium on Child Trauma and Trauma-Informed Care: Developing cohesive intersectoral practices and policies to support trauma-impacted children and youth – Letter of Intent.” Social Sciences and Humanities Research Council of Canada (SSHRC) – Partnership Grants

Collin-Vézina D.(PI), Alaggia R, **Arnold P**, Berthelot N, Daigneault I, Dimitropoulos G, Fallon B, Geoffrion S, Godbout N, Gonzales A, Lafortune D, Lanctôt N, Laurier C, Pearson J, MacLaurin B, MacKenzie M, MacMillan H, Madigan S, Maurer K, Milne L, Milot T, Nixon K, Romano E, Stewart S, Tarabulsky G, Turcotte M, Wekerle C(Co-Is), Gabriel W, Geboe B, Lwin K, Rodger S, Runtz M, Whalen C, Wathen N. \$2,500,000 CAD

- 04/2020 – 09/2023 **Co-Investigator.** “eMH for Youth and Young Adults in Alberta” Partnership for Research and Innovation in the Health System (PRIHS) Alberta Innovates. Johnson D. (PI), Dimitropoulos G. (Co-PI), Allen S, Chafe J, Given S, Snater M, Zieber C, Potvin D, Pickett M, Urichuk L, Christie S, Dowdall S, Adolpho Q, Meguinis H, Shenhe J, Vennard M, Slomp M (Co-Investigators), Aguilar M, Adair C, Arnold P, Bercov M, Cross S, Crowshoe L, Faris P, Hickie I, Koczkur S, MacNeil L, Mitchell N, Mullie T, Ohinmaa A, Osiowy K, Patten S, Pinston K, Pinzon J, Raiche J, Williams K.(Collaborators). \$5,000,000 CAD
- 10/2019 – 09/2024 **Co-Investigator.** “Spit for Science 2 Autism Spectrum Project: Harnessing the Power of Population Based Samples for Gene x Environment Studies”. CIHR Project Grant. Jennifer Crosbie (PI), Burton C, Peters P, Schachar R, **Arnold PD** \$1,170,450 CAD
- 02/2019 – 03/2022 **Co-Investigator.** “Developing, Implementing and Evaluating a Model of Youth Mental Health Services: Transformation ACCESS Canada-ACCESS- Adolescent/Young Adult Connections to Community Driven, Early, Strength-based and Stigma Free Services” Malla Ashok (PI), Bokas P, Iyer SN, Shaw J, Joobar R, Dimitropoulos G, **Arnold PD.** Graham Boeckh Foundation/CIHR \$1,000,000
- 02/2019 – 02/2021 **Co-Investigator.** “Evaluating the Impact of Primary Care Patient-Provider Relationships on Emergency Department Utilization by Adolescents with Chronic Conditions.” Canadian Institutes of Health Research (CIHR). Samuel S (PI), Seidel J, Bahler B, McBrien K, Reid G, Chomistek C, Bakal J, Nettel-Aguirre A, Schraeder K, **Arnold PD**, Mackie A, Patton S, Zwicker J, Dimitropoulos G, Pacaud D, Scott C. \$81,572 CAD
- 03/2019 – 02/2020 **Co-Investigator.** “Using Whole Genome Sequencing to Understand the Role of Variants of Unknown Significance in Neurodevelopmental Phenotypes in the General Population”. McLaughlin Centre – Accelerator Grants in Genomic Medicine 2019. Schachar R (PI), Crosbie J, Anagnostou E, Burton CL, **Arnold PD** \$80,000
- 03/2019 – 02/2020 **Co-Investigator.** “Pilot Data for CAN-EPIC: The Canadian Anorexia Nervosa Epigenetic and Imaging Consortium”. Behaviour and the Developing Brain Grant. Dimitropoulos G (PI), **Arnold PD**, Booji L, MacMaster F, Borgland S, Engelberg M, Steinegger C, Norris M, Obeid N, Coelho J, Couturier J, Khalid-Khan S, Steiger H, Le Grange D, Marcoux-Louis G. \$10,000
- 03/2019 – 02/2022 **Principal Investigator.** “Impact of Child Maltreatment: Identifying Biological and Psychosocial Predictors of Risk, Resilience, and Response to Interventions”,

- Anonymous Donor. Dimitropoulos G (Co-PI), Binford W, Booij L, Ehrenreich-May J, MacMaster F, Madigan S, MacLaurin B, Wang E. \$450,000
- 10/2018 – 09/2023 **Co-Investigator.** “Spit for Science 2: Genetic and environmental influences on behaviour and cognition in childhood neuropsychiatric disorders”, CIHR Project Grant. Crosbie J (PI), **Arnold PD**, Burton C, Schachar RJ. \$2,604,826^[PA2].
- 10/2018 – 09/2023 **Co-Investigator.** “Healthy Cities Healthy Minds. Genetic and Urban Environmental Influences on Childhood Mental Health”. Schachar R (PI), **Arnold PD**, Burton CL, Crosbie J, Peters, Villeneuve. CIHR: Data Analysis Using Existing Databases and Cohorts, Population and Public Health Operating Grant. \$95,360
- 09/2018 – 08/2019 **Co-investigator.** “Rapid Recruitment for Large-Scale Gene by Environment Analyses in Pediatric Mental Health”. Crosbie, J. (PI), Schachar, R., **Arnold, PD**, Burton, C., Peters, P. DNA Genotek Innovation Challenges Grant Program. \$30,000 (USD)
- 08/2017 – 06/2020 **Co-investigator.** “Alterations in Frontal-Striatal Circuits Underlying Compulsivity Associated with Anorexia Nervosa”. Dimitropoulos, G (PI), **Arnold PD**, Borgland S, Elliott A, MacMaster F, Marcoux-Louie G. Pediatric Innovations Award, University of Calgary. \$22,000
- 08/2016 – 12/2021 **Principal Investigator.** “Population Neurogenetics and Precision Medicine in Child and Youth Mental Health: From Genomes to Outcomes.” John Evans Leadership Fund, Canadian Foundation for Innovation. \$492,018.00
- 11/2016 – 11/2021 **Principal Investigator.** “Impact of Child Sexual Abuse: Identifying Biological and Psychosocial Predictors of Risk and Resilience”, Special Award from Hotchkiss Brain Institute and Mathison Centre for Mental Health Research & Education. Co-Investigators: Binford W, Dimitropoulos G, MacMaster F, Pfeffer G. \$500,000.00
- 06/2016 – 05/2020 **Principal Investigator.** “Mental Health and School Success: A Pilot Cohort Study Of an Adolescent Population”, Brain and Mental Health Strategic Research Fund Program. Co-Principal Investigators: Bulloch A, Duffy A, Patten S; Co-Investigators: Addington J, Dimitropoulos G, LeTourneau N, McMorris C, McLuckie A, Wang J, Wilcox G. \$247,800.00
- 08/2015 – 07/2022 Alberta Innovates Health Solutions (AIHS) Translational Research Chair In Child and Youth Mental Health. \$3,587,500.00
- 07/2015 – 04/2021 **Principal Investigator.** “Brain Function and Genetics in Pediatric Obsessive-Compulsive Behaviors.” National Institutes of Health. Co-Principal Investigator (Toronto) Scherer S; Co-Principal Investigators (other sites): Hanna G, Rosenberg D. \$407,876.00 (USD) – Calgary Site
- 04/2013 – 04/2024 **Co- Investigator** (Co-PI from 04/2013 - 06/2015). “Province of Ontario Neurodevelopmental Disorders Network (POND)”, Ontario Brain Institute

Integrated Discovery Systems. IDS-11-02 (2nd renewal). PI: Anagnostou E; Lerch J, Co-Investigators **Arnold PD**, Szatmari P, Schachar R, Scherer S, Nicolson R, Crosbie J, Georgiades S, Liu X, Kelley E.: Scherer SW, Schachar RJ, Szatmari P. \$13,000,000 CAD Operating Grant (previously \$16M Canadian)

Funded (completed)

- 09/2020 – 08/2021 **Co-Investigator.** “Population-based virtual mental health interventions for children, youth and families during COVID-19: If we build it, will they come?” Canadian Institutes of Health Research (CIHR): COVID-19 Mental Health & Substance Use Service Needs and Delivery. Daphne Korczak (PI); Rhonda Martinussen; Jennifer Crosbie; Catherine Birken; Alice Charach; Suneeta Monga; Katherine Cost; Evdokia Anagnostou; **Paul Arnold**; Gina Dimitropoulos; Christie Burton; Russell Schachar; Elizabeth Kelley; Jonathon Maguire; Stelios Georgiades; Rob Nicolson; Jason Lerch; Brendan Andrade; Erin Romanchych; Peter Szatmari. \$199, 635 CAD
- 09/2013 – 08/2017 (no cost extension until 07/2018) Principal Investigator. “Action Monitoring and Genomic Variants in Pediatric Obsessive Compulsive Behavior”. National Institutes of Health, 1RO1MH101493-01. Co-Principal Investigators: Hanna GL, Gehring WJ, (University of Michigan) \$276,672.00 (Calgary Site). Operating Grant. Total Funded: \$2,269,569.00 USD
- 01/2014 – 12/2017 Co-Principal Investigator. “Discovering genetic risk variants for neuropsychiatric Disorders and their consequences using dogs, humans and mice” ERA-Net Neuron (Network of European Funding for Neuroscience Research) Co-Principal Investigators: Hannes Lohi (University of Helsinki, coordinating PI) Rui Costa (Champalimaud Centre for the Unknown). \$233,341.00 CDN – Toronto)
- 04/2015 – 06/2018 Co-Lead (from 07/2016) “Prediction and Understanding of Resilience in Albertan Families”, Collaborative Research and Innovation (CRIO) Award, Alberta Innovates Health Solutions. Lead: Kingston D; Arnold PD, McDonald S, Tough S, Greenshaw A. \$1,951,714
- 08/2017 – 07/2018 Co-Investigator. “Enhancing systems collaboration for high risk youth with mental health disorders and addictions”, Addiction & Mental Health Strategic Clinical Network: Pathways to Innovation and Integration of Addiction and Mental Health Grant. Dimitropoulos G (PI), Arnold P, Cleverley K, Elliott A, Exner-Cortens D, Haines-Saah R, Jenney A, MacQueen G, Madigan S, MacMaster F, Mackie A, McLaughlin AM, Nicholas D, Samuel S, Wilcox G. \$48,850.00
- 08/2017 – 07/2018 Co-Investigator. “Mixed Method Study to Examine the Knowledge, Confidence and Capacity of Service Providers to Identify and Respond to Child Sexual Abuse Imagery Online (CSAIO). PolicyWise for Children and Families. PI: Dimitropoulos G, Arnold P, Binford W, MacMaster F, Kennedy S et al \$34,785.85

- 10/2016 – 09/2017 Co-Investigator. “Building and Strengthening Academic-Community Collaborative Partnerships to Investigate the Longitudinal Impact of Childhood Sexual Abuse and Online Child Abuse Imagery: Informing Policy and Practice.” Alberta Centre for Child, Family & Community Research. PI: Dimitropoulos G, Arnold P, Binford W, Johnson B, Kennedy S, MacMaster F. \$9,920.00
- 03/2017 – 02/2018 Co-Investigator. “Copy Number Variation and Mental Illness in a Pediatric Community Sample”, Canadian Institutes of Health Research (CIHR). PI: Schachar RJ; Arnold PD, Burton C, Crosbie J, Marshall C, Scherer S. \$75,000.00
- 09/2012 – 08/2017 Co-Investigator. “Deciphering the Basis of Sex Differences in the Brain and their Role in Psychiatric Disorders”. Canadian Institutes of Health Research (CIHR) PI: Lerch J (Toronto Centre for Phenogenomics). Collaborators: Palmert M (Hospital for Sick Children), Foster J (McMaster University). \$779,590.00
- 10/2010 – 09/2015 Co-Investigator. “Autism Spectrum and Associated Neurodevelopmental Disorders: Genomes to Outcomes”. Ontario Research Fund – Global Leadership Round in Genomics & Life Sciences Competition (GL2 Competition) GL2-01-013 PI: Scherer S, Szatmari P. Collaborators: Anagnostou E, Bassett A, Brudno M, Holden J, Paterson AD, Roberts W, Schachar RJ, Vincent J, Weksberg R. \$8,920,653.00 CAD. Operating Grant
- 10/2010 – 09/2015 Principal Investigator. “Genome-wide Association Study of Childhood Obsessive-Compulsive Traits in a General Population Sample”. Canadian Institutes of Health Research (CIHR). MOP-106573. Collaborators: Schachar RJ, Crosbie J, Paterson AD. \$1,066,256.00 CAD Operating Grant
- 03/2014 – 02/2015 Co-Investigator. “Establishing a Pediatric Obsessive-Compulsive Disorder Research Network. CIHR Planning Grant – Partnerships for Health System Improvement. PI: Stewart SE (UBC). Co-Investigators: Austin J (UBC), Bagnell A (Dalhousie), Soreni N (MacMaster). \$20,000.00
- 01/2012 – 03/2015 Principal Investigator. “Implementing a Cognitive Behavioural Skills Program For Anxious Youth: A Knowledge Translation Project”. Hospital for Sick Children Sickkids Foundation. Co-Investigators: Jones E, Manassis K. Collaborators: Bennett K. Ickowicz A, Medlowitz S, Nowrouzi B, Schmidt F, Wilansky-Traynor P. \$114,000.00
- 05/2012 – 04/2013 Principal Investigator. “Whole Exome Sequencing in Obsessive-Compulsive Disorder”. McLaughlin Centre. MC-2012-01. Co-Investigators: Hanna GL (University of Michigan), Richter MA (Sunnybrook HSC), Kennedy JL (Centre for Addiction and Mental Health). \$30,000.00

- 04/2012 – 03/2013 Principal Investigator. “DNA Methylation Profiles of Saliva in Pediatric-Obsessive Compulsive Disorder”. DNA Genotek. Co-Investigators: Butcher D, Weksberg R (Hospital for Sick Children). \$30,000.00
- 03/2011 – 02/2012 Supervisor. “A Genetic Study in Children Associating Obsessive-Compulsive Traits with Serotonin Transporter Variants”. Trainee Start-Up Fund, Hospital for Sick Children. PI: Sinopoli, V. \$3000.00 CAD. Operating Grant
- 01/2011 – 12/2011 Co-Principal Investigator. “The White Matter Integrity and Neural Activation Within Frontal-Striatal Circuitry in Childhood OCD”. Psychiatry Endowment Fund, Hospital for Sick Children. Co-PI: Ameis S. Collaborators: Dockstader C, Mabbott D, Schachar RJ, Mendlowitz S, Widjaja E. \$24,982.00 Operating Grant
- 04/2010 – 03/2013 Co-Investigator. “Exploring Copy Number Variation in Attention Deficit Hyperactivity Disorder”. Canadian Institute of Health Research (CIHR) MOP 209699. PI: Schacher RJ. Collaborators: Crosbie J, Marshall C, Scherer S. \$567,435.00 Operating Grant
- 11/2009 – 10/2014 Principal Investigator. “Brain Chemistry and Genetics of Pediatric OCD”
(no cost extension to 03/2015, competitive
Renewal under review) National Institutes of Health. 1R01MH085300-01A1. Co-PI: Rosenberg DR, (Wayne State), Hanna GL (University of Michigan). Collaborators: Kennedy JL, \$574,857.00 USD (Toronto Site); Collaborative Operating Grant.
- 04/2009 – 03/2013 Co-Investigator. “Exploring the Genetic Architecture of ADHD Phenotypes and Endophenotypes in a General Population Sample.” Canadian Institute of Health Research (CIHR). MOP-93696. PI: Schachar RJ, Crosbie J. \$1,049,785.00 CAD
- 01/2009 – 12/2009 Principal Investigator. “Genome –wide Association Study of Childhood Obsessive-Compulsive Traits in a General Population Sample”. Canadian Institute Of Health Research (CIHR). INO-93823. Collaborators: Schachar RJ, Crosbie J, Paterson AD. \$100,000.00 CAD
- 07/2008 – 06/2009 Co-Investigator. “Predicting Medication Response in Obsessive-Compulsive Disorder”. International OCD Foundation. Research Award. PI: Richer MA, Kennedy JL. Collaborators: Levitt A, Daskalakis ZJ, Mueller D, Rector N, Ravindran A, \$49,901.00 USD
- 01/2008 – 12/2008 Principal Investigator. “Genetics of Obsessive-Compulsive Traits: Determining The Feasibility of a Population-Based Approach”. Psychiatry Endowment Fund. Hospital for Sick Children. Collaborators: Crosbie J, Goos L, Schachar RJ, Paterson \$24,650.00 CAD
- 04/2008 – 03/2009 Co-Investigator. “ADHD Endophenotypes in the General Population” Psychiatry Endowment Fund. Hospital for Sick Children. PI: Crosbie J. Collaborators: Schachar RJ, Goos L. \$14,733.00 CAD
- 04/2007 – 03/2011 Co-Investigator. “Obsessive-Compulsive Disorder (OCD): An Innovative Genetic Study Utilizing Intermediate Phenotypes and Pharmacogenetics”. Ontario

- Mental Health Foundation (OMHF). Type B Grant. PI: Richter MA.
Collaborators: Kennedy JL, Mundo E, Macciardi F, Summerfeldt L. \$279,984.00
- 01/2007 – 12/2009 Co-Investigator. “Imaging Genetics in Pediatric Depression.” New Investigator Grant. Sick Kids Foundation. PI: Strauss JS. Collaborators: Kennedy JL, \$169,329.00 CAD
- 07/2006 – 06/2009 Co-Investigator. “OCF Genetics Collaborative Replication Study”. International OCD Foundation. Special Award from Board of Directors + Private Donor (McIngvale Family). PI: Pauls D, Nestadt G. Collaborators: Kennedy JL, Richter MA, Hanna GL, Mathews CA, Stewart SE. \$200,000.00 USD
- 07/2006 – 06/2009 Principal Investigator. “Glutamate Neurotransmission in OCD: Genetic Study Of a Candidate Biological System” Canadian Psychiatric Research Foundation – CPRF Award. \$79,572.00 CAD
- 07/2006 – 12/2008 Principal Investigator “Genetic Studies of the NMDA Regulatory Network in OCD Including Neuroimaging Endophenotypes”. International OCD Foundation. Research Award. Co-PI: Kennedy JL. Collaborators: Richter MA, Murphy TK, Hanna GL, Rosenberg DR. \$48,193.00 USD
- 07/2004 – 06/2007 Principal Investigator “Genetic Studies of Early Onset Obsessive-Compulsive Disorder: An Innovative Neuroimaging Endophenotype Strategy.” National Alliance for Research in Schizophrenia and Depression (NARSAD). Young Investigator Award. \$60,000.00 USD
- 07/2004 – 12/2005 Co-Principal Investigator. “Genetic Studies of the Glutamate System in Childhood OCD Including Gene Interaction.” International OCD Foundation Research Award. Co-PI: Kennedy JL. Collaborators: Goodman W, Murphy T, Richter MA. \$45,567.00 USD
- 04/2003 – 04/2007 Co-Investigator. “Obsessive-Compulsive Disorder: An Innovative Study Utilizing Genomic Controls and Endophenotypes” Ontario Mental Health Foundation. PI: Richter MA \$279,984.00
- 10/2003 – 11/2004 Co-Investigator. “Neuropsychological Dysfunction in Children with Obsessive-Compulsive Disorder”. Psychiatry Endowment Fund. Hospital for Sick Children. PI: Schachar RJ, Manassis K. Collaborators: Ornstein TJ, Mendlowitz S, Richter MA. \$24,689.00 CAD
- 10/2003 – 11/2004 Co-Investigator. “A Proton Magnetic Resonance Spectroscopy Study of Pediatric Obsessive-Compulsive Patients”. Psychiatry Endowment Fund. Hospital for Sick Children. PI: Schachar RJ, Noseworthy M. Collaborators: Peleg-Soreni N, Manassis K, Mendlowitz S, Ornstein TJ. \$11,800.00 CAD

10/1999 – 11/2000 Co-Investigator. "Clinical and Serological Aspects of Insidious vs Acute Onset Obsessive Compulsive Disorder in Childhood". Psychiatry Endowment Fund. Hospital for Sick Children. PI: Manassis K. Collaborators: Richter MA, Katzman D. \$5000.00 CAD

Submitted:**IX. INVITED ADDRESSES**

Mar 9, 2021 Keynote Presentation, 5th International Psychiatry Conference, "Update on OCD Treatment Options in Children", Riyadh, Saudi Arabia (presented virtually)

Sep 25, 2020 Psychiatry Quarterly Update: OCD Across the Lifespan, "OCD in Children and Adolescents: Early Identification and Intervention", University of Calgary, Calgary, AB

Sep 12, 2020 Keynote presentation, Institute, Annual Meeting, Canadian Academy of Child and Adolescent Psychiatry, "Psychopharmacology for OCD and Related Disorders: Basics and Beyond"

Jan 30, 2019 Invited Lecture, "Discovering Genes for Childhood Obsessive-Compulsive Behaviours", Mathison Centre Rounds, University of Calgary, Calgary, AB.

Jan 29, 2019 Invited Lecture, "The Mathison Centre: Current Activities and Future Directions" Department of Psychiatry Grand Rounds, University of Calgary, Calgary, AB

Nov 1, 2018 Webinar, "The Roots of Anxiety". National Awareness Program. University of Calgary, Calgary, AB

Mar 6, 2018 Invited Lecture, "The Mathison Centre: An Update" Department of Psychiatry Grand Rounds, University of Calgary, Calgary, AB

June 8, 2017 Invited Lecture, "OCD: Current and Future Directions in Clinical Care and Research", Continuing Medical Education Rounds, Alberta Children's Hospital, Calgary, AB, CANADA

May 16, 2017 Invited Lecture, "The Mathison Centre: An Update", Department of Psychiatry Grand Rounds, University of Calgary, Calgary, AB, CANADA

October 13, 2016 Invited Lecture, "The Mathison Centre for Mental Health Research & Education", Continuing Medical Education Rounds, Alberta Children's Hospital, Calgary, AB, CANADA

April 6, 2016 Invited Lecture, "Spit for Science: Discovering Genes for Pediatric OCD in a Community Setting", Department of Psychiatry Grand Rounds, University of Michigan, Ann Arbor, MI, CANADA

- March 18, 2016 Invited Keynote Address, "Genetics of Obsessive-Compulsive Disorder: Recent advances and prospects for translation", Alberta Psychiatric Association Annual Meeting, Banff, AB, CANADA
- March 14, 2016 Invited Keynote Address, "Discovering Genes for Obsessive-Compulsive Disorder", Sebastian Littmann Day, University of Calgary, AB, CANADA
- March 11, 2016 Invited Lecture, "What's New in Pediatric OCD: Clinical and Research Updates", Continuing Medical Education Rounds, Alberta Children's Hospital, Calgary, AB, CANADA
- April 6, 2016 Invited Lecture, "Spit for Science: Genome-Wide Studies of Childhood Mental Health in the General Population", Department of Medical Genetics Seminar series, University of Calgary, Calgary, AB, CANADA
- June 19, 2015 Invited Keynote Address, "Discovering Genes for Childhood Neuropsychiatric Disorders in the Community and the Clinic". Owerko Centre Conference on Children's Neurodevelopment and Mental Health. Alberta Children's Hospital, Calgary AB., CANADA
- April 12, 2015 Invited Speaker, New Findings in the Genetics of OCD. International College of Obsessive-Compulsive Spectrum Disorders (**ICOCS**) 10th Scientific Meeting, Miami, FL., USA
- April 16, 2014 Invited Lecture, Spit for Science: Finding Genes for Childhood Neuropsychiatric Traits in a Community Setting", Psychiatry Grand Rounds, University of Calgary, Calgary AB., CANADA
- April 25, 2013 Guest Speaker, Neurobiology of Obsessive-Compulsive Disorder: Insights from Imaging Genetics. Part of "Brain Basics: Applications for Mental Health Practice" Annual Conference on Child & Youth Mental Health, hosted by the Division of Child Psychiatry and Centre for Brain and Behaviour, Hospital for Sick Children, Toronto, ON, CANADA.
- Nov 22, 2012 Guest Speaker, The Province of Ontario Neurodevelopmental Disorders Network, part of session entitled "Rapid Fire Research Panel: Knowledge Translation" during conference "Mental Health Services for Children and Youth: Challenges and Solutions, hosted by the Division of Child Psychiatry and Centre for Brain and Behaviour, Hospital for Sick Children, Toronto, ON, CANADA.
- June 1, 2012 Guest Speaker, From Genome to Phenome: The POND Study. Research Ethics Board Annual Retreat, Hospital for Sick Children. Toronto, ON, CANADA.
- Mar 9, 2012 Guest Speaker. Spit for Science: Neuropsychiatric Genomics in a Community Setting. Program in Genetics and Genomic Biology Retreat, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.

- Nov 1, 2011 Plenary Session, Genomics in Childhood Neuropsychiatric Disorders, presented as part of Plenary Session entitled "Neuropsychiatric Research". SickKids Research Institute Annual Retreat, Toronto, ON, CANADA. Presenter: Arnold PD.
- Oct 27, 2011 Guest Speaker. Finding Genes for Obsessive-Compulsive Disorder Using Neuroimaging Genomics. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Part of "Brain Imaging and Neurogenetics" seminar, Centre for Brain and Behaviour Cross Talks series.
- July 14, 2011 Speaker. Depression and Anxiety as a Consequence of Brain Injury. SickKids Centre for Brain and Behaviour 2nd Biennial Conference on Brain Injury in Children. Toronto, ON, CANADA.
- April 15, 2011 Guest Speaker. Imaging Genomics in Brain Disorders. Annual Retreat of the Neurosciences and Mental Health Program, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- April 5, 2011 Rounds Speaker. Spit for Science: Finding Genes for Childhood Behavioural Traits in a Community Setting. Institute for Clinical Evaluative Sciences/Clinical Epidemiology Unit Conjoint Rounds, Sunnybrook Health Sciences Centre. Toronto, ON, CANADA. Presenter: Arnold PD.
- Oct 14, 2010 Rounds Speaker. Finding Genes for Childhood Obsessive-Compulsive Disorder Using Multiple Approaches. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Presented at Program in Genetics and Genomic Biology – Weekly Seminars.
- Sept 16, 2010 Rounds Speaker. Endophenotypes in Child Psychiatry: Perspectives from Two Sides of the Atlantic. Hospital for Sick Children. Toronto, ON, CANADA. Presenters: Skuse D, Jennifer C, Arnold PD. Presented at Psychiatry Grand Rounds.
- May 10, 2010 Rounds Speaker. Spit for Science: Genetic Epidemiology in a General Population Setting. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD & Crosbie J. Presented at Child Health Evaluative Sciences – Weekly Rounds.
- Feb 25, 2010 Guest Speaker. PANDAS: What is the Evidence? Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Part of "Immune-Mediated Neuropsychiatric Disorders" seminar, Centre for Brain and Behaviour Cross Talks series.
- Oct 22, 2009 Guest Speaker. The Role of Canine Gene Mapping in Psychiatric Diseases. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Part of "How Canines Can Help Your Patients" seminar, Centre for Brain and Behaviour Cross Talks series.

- Oct 8, 2009 Rounds Speaker. Imaging Genetics: A New Approach to Gene Discovery in Neuropsychiatric Disorders. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Presented at Genetics Grand Rounds.
- June 4, 2009 Rounds Speaker. Pediatric Obsessive-Compulsive Disorder. Med-West Medical Centre. Toronto, ON, CANADA. Presenter: Arnold PD. Presented at Pediatric Neuropsychiatry Rounds, jointly sponsored by University Health Network and Youthdale Treatment Centre.
- May 19, 2009 Guest Speaker. Dogs, kids, and obsessive-compulsive disorders. SickKids Foundation, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Priorities and Possibilities Event for the Centre for Brain and Behaviour: The Mystery and Beauty of the Brain: Unlocking Its Secrets.
- Mar 27, 2009 Guest Speaker. Genetics of obsessive-compulsive behaviour: from the clinic to the community. Program in Genetics and Genomic Biology Retreat, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- April 24, 2008 Guest Speaker. Obsessive-Compulsive Disorder: Neurobiology of a Habit-Forming Disorder. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Part of "Imaging and Emotion" seminar, Centre for Brain and Behaviour Cross Talks series.
- Mar 5, 2008 Guest Speaker. Glutamate System Genes in Obsessive-Compulsive Disorder: Genetic and Imaging Findings. Program in Genetics and Genomic Biology Retreat, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- Nov 9, 2007 Guest Speaker. Genetic Association: Methodological Overview. Dept of Diagnostic Imaging, Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. MEG User's Group (MUG) meeting.
- Nov 25, 2006 Guest Speaker. Implications of Current Research in Childhood OCD. Quebec Obsessive-Compulsive Disorder Foundation 2006 Colloquium (QOCDF). Montreal, QC, Canada. Presenter: Arnold PD.
- June 21, 2006 Guest Speaker. Finding Genes for OCD: A Personal and Scientific Journey. Annual General Meeting of Canadian Psychiatric Research Foundation (CPRF), Toronto, ON, Canada. Presenter: Arnold PD.
- Mar 2, 2006 Guest Speaker. OCD and PANDAS: What is the Evidence? Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- Nov 24, 2005 Guest Speaker. Recognizing and Treating Obsessive-Compulsive Spectrum Disorders. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD. Lecture at Update in Child and Adolescent Psychiatry.

- March 5, 2005 Guest Speaker. New Treatments for Obsessive-Compulsive Disorder. Centre for Addiction and Mental Health. Toronto, ON, CANADA. Presenter: Arnold PD. Plenary lecture, Toronto Psychopharmacology Update Day.
- June 26, 2003 Rounds Speaker. The Role of Disgust in Obsessive-Compulsive Disorder. Centre for Addiction and Mental Health. Toronto, ON, CANADA. Presenter: Arnold PD. Mood and Anxiety Research Rounds.
- May 22, 2003 Guest Speaker. New Directions in the Genetics of Childhood Obsessive-Compulsive Disorder. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- May 8, 2003 Guest Speaker. Childhood Obsessive-Compulsive Disorder. Canadian Psychiatric Research Foundation. Toronto, ON, CANADA. Presenter: Arnold PD. Presented at When Something's Wrong - Ideas for Teachers with Troubled Students, Granite Club
- Oct 4, 2002 Guest Speaker. The Genetics of OCD: Focus on Glutamate. St. Michael's Hospital. Toronto, ON, CANADA. Presenter: Arnold PD.
- Dec 19, 2001 Rounds Speaker. The Genetics of OCD: Focus on Glutamate. Centre for Addiction & Mental Health - Clarke Division. Toronto, ON, CANADA. Presenter: Arnold PD. Mood and Anxiety Research Rounds.
- Nov 8, 2001 Guest Speaker. Comorbid OCD and ADHD: Implications of a Paradox for Clinicians and Researchers. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- Dec 8, 2000 Guest Speaker. PANDAS: Streptococcal-induced OCD as a Model for Gene-Environment Interactions. University Health Network. Toronto, ON, CANADA. Presenter: Arnold PD. Discussant: P Sandor.
- Dec 4, 1998 Guest Speaker. PANDAS and Beyond: The Relationship between Streptococcal Infections and OCD in Children. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.
- May 15, 1998 Guest Speaker. Lupus and Psychosis: Cause or Coincidence? Centre for Addiction & Mental Health. Toronto, ON, CANADA. Presenter: Arnold PD. Discussant: A Feinstein.
- April 24, 1998 Guest Speaker. Velo-cardio-facial Syndrome: Implications of a Chromosomal Deletion for Schizophrenia & Mood Disorders. Hospital for Sick Children. Toronto, ON, CANADA. Presenter: Arnold PD.

X. PUBLICATIONS/PRESENTATIONS**i. PEER-REVIEWED MANUSCRIPTS (Published/In Press)**

1. Jessel et al, Pharmacogenetic Testing Knowledge and Attitudes among Pediatric Psychiatrists and Pediatricians in Alberta, Canada (in press, JACAP)
2. Schachar R et al., "Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder: Shared or Unique Neurocognitive Impairments?"; OCD paper in press JCPP (2021)
3. Mar K, Townes P, Pechlivanoglou P, **Arnold PD**, Schachar R. Obsessive Compulsive Disorder and Response Inhibition: Meta-analysis of the Stop-Signal Task. *Journal of Abnormal Psychology* (in press). Doi: <https://doi.org/10.101/2021.07.16.452538>
4. Exner-Cortens et al., 2021 (in press)
5. Fletcher J, Dimitropoulos G, Martino D, Wilcox G, MacMaster F, Arnold PD, Pringsheim T. Developing a Provincial Patient Support for Children and Families Affected by Tourette Syndrome and/or Obsessive-Compulsive Disorder: Results of a Stakeholder Consultation. *Child Adolesc Psychiatry Mental Health*. 2021 Jun 16;15(1):29. doi: 10.1186/s13034-021-00383-5. PMID: 34134722
6. Nishat E, Dockstader C, Wheeler A, Tan T, Anderson JAE, Mendlowitz S, Mabbott DJ, **Arnold PD**, Ameis SH. Visuomotor Activation of Inhibition-Processing in Pediatric Obsessive-Compulsive Disorder: A Magnetoencephalography Study. *Frontiers in Psychiatry, section Child and Adolescent Psychiatry*. April 2021. PMID: 33005145. PMCID: PMC8116532
7. Schwartz KD, Exner-Cortens D, McMorris CA, Makarenko E, **Arnold PD**, Van Bavel M, Williams S, Canfield R. Covid 19 and Student Well-Being: Stress and Mental Health During Return-To-School. *Canadian Journal of Student Psychology*. 2021Mar18 doi.org/10.1177/08295735211001653. Online ahead of print. PMID: 34040284
8. Piras F, Federica Piras, Abe Y, Agarwal S, Anticevic A, Ameis S, **Arnold PD**, Bargalló N, Batistuzzo M, Benedetti F, Beucke JC, Boedhoe P, Bollettini I, Brem S, Calvo A, Cho KI, Dallspezia S, Dickie E, Ely B, Fan S, Fouche JP, Gruner P, Gürsel D, Hauser T, Hirano Y, Hoexter M, Iorio M, James A, Reddy Y, Kaufmann C, Koch K, Kochunov P, Kwon JS, Lázaro L, Lochner C, Marsh R, Nakagawa A, Nakamae T, Narayanaswamy J, Sakai Y, Shimizu E, Simon D, Simpson H, Soreni N, Stämpfli P, Stern E, Szeszko P, Takahashi J, Venkatasubramanian G, Wang Z, Yun JY, Stein D, Jahanshad N, Thompson P, van den Heuvel O, and Spalletta, G. White Matter Microstructure and its Relation to Clinical Features of Obsessive-Compulsive Disorder: Findings from the ENIGMA OCD Working Group. *Translational Psychiatry*. 2021 Mar 17;11(1):173. doi: 10.1038/s41398-021-01276-z. PMID: 33731673
9. Cost KT, Crosbie J, Anagnostou E, Birken CS, Charach A, Monga S, Kelley E, Nicolson R, Maguire JL, Burton CL, Schachar RJ, Arnold PD, Korczak DJ. Mostly worse, occasionally better: impact of COVID-19 pandemic on the mental health of Canadian children and adolescents. *Eur Child*

- Adolesc Psychiatry. 2021 Feb 26. doi: 10.1007/s00787-021-01744-3. Epub ahead of print. PMID: 33638005.
10. Burton CL, Lemire M, Xiao B, Corfield EC, Erdman L, Bralten J, Poelmans G, Yu D, Shaheen S-M, Goodale T, Sinopoli VM, OCD Working Group of the Psychiatric Genomics Consortium, Soreni N, Hanna GL, Fitzgerald KD, Rosenberg DR, Nestadt G, Paterson AD, Strug L, Schachar RJ, Crosbie J, **Arnold PD (Senior Responsible Author)**. Genome-wide study of pediatric obsessive-compulsive traits: Shared genetic risk between traits and disorder. *Translational Psychiatry*. 2021 Feb 2;11(1):91. PMID: 33531474
 11. Lindenmaier Z, Yee Y, Kinman A, Fernandes D, Ellegood J, Burton CL, Robins DM, Raznahan A, **Arnold P**, Lerch JP. Characterization of mice bearing humanized androgen receptor genes (h/mAr) varying in polymorphism length. *Neuroimage*. 2020 Nov 26;226:117594. doi: 10.1016/j.neuroimage.2020.117594. Online ahead of print. PMID: 33248253
 12. Zai G, **Arnold PD**, Richter MA, Hanna GL, Rosenberg D, Kennedy JL. An Association of Myelin Oligodendrocyte Glycoprotein (MOG) gene variants with white matter volume in pediatric obsessive-compulsive disorder. *Psychiatry Res Neuroimaging*. 2020 Nov 21;307:111231. doi: 10.1016/j.pscychresns.2020.111231. Online ahead of print. PMID: 33302097
 13. Jacobs GR, Voineskos AN, Hawco C, Stefanik L, Forde NJ, Dickie EW, Lai MC, Szatmari P, Schachar R, Crosbie J, **Arnold PD**, Goldenberg A, Erdman L, Ameis SH. Integration of brain and behavior measures for identification of data-driven groups cutting across children with ASD, ADHD or OCD. *Neuropsychopharmacology*. 2020 Nov 9. doi: 10.1038/s41386-020-00902-6. Online ahead of print. PMID: 33168947
 14. Vandewouw MM, Choi E, Hammill C, **Arnold P**, Schachar R, Lerch JP, Anagnostou E, Taylor MJ. Emotional face processing across neurodevelopmental disorders: a dynamic faces study in children with autism spectrum disorder, attention deficit hyperactivity disorder and obsessive-compulsive disorder. *Transl Psychiatry*. 2020 Nov 2;10(1):375. doi: 10.1038/s41398-020-01063-2. PMID: 33139709
 15. Bhikram T, Crawley A, **Arnold P**, Abi-Jaoude E, Sandor P. Neuroimaging the emotional modulation of urge inhibition in Tourette's Syndrome. *Cortex*. 2020 Nov 1: S0010-9452(20)30391-9. doi: 10.1016/j.cortex.2020.10.010. Online ahead of print. PMID: 33317808
 16. Meram TD, Chowdury A, Easter P, Attisha T, Kallabat E, Hanna GL, **Arnold P**, Rosenberg DR, Diwadkar VA. Evoking network profiles of the dorsal anterior cingulate in youth with Obsessive-Compulsive Disorder during motor control and working memory. *J Psychiatr Res*. 2021 Jan;132:72-83. doi: 10.1016/j.jpsychires.2020.09.028. Epub 2020 Oct 8. PMID: 33068817
 17. Hanna GL, Liu Y, Rough HE, Surapaneni M, Hanna BS, **Arnold PD**, Gehring WJ. A Diagnostic Biomarker for Pediatric Generalized Anxiety Disorder Using the Error-Related Negativity. *Child Psychiatry Hum Dev*. 2020 Oct;51(5):827-838. doi: 10.1007/s10578-020-01021-5. PMID: 32656660; PMCID: PMC7529976.

18. Bruin WB, Taylor L, Thomas RM, Shock JP, Zhutovsky P, Abe Y, Alonso P, Ameis SH, Anticevic A, **Arnold PD**, Assogna F, Benedetti F, Beucke JC, Boedhoe PSW, Bollettini I, Bose A, Brem S, Brennan BP, Buitelaar JK, Calvo R, Cheng Y, Cho KIK, Dallaspezia S, Denys D, Ely BA, Feusner JD, Fitzgerald KD, Fouché JP, Fridgeirsson EA, Gruner P, Gürsel DA, Hauser TU, Hirano Y, Hoexter MQ, Hu H, Huyser C, Ivanov I, James A, Jaspers-Fayer F, Kathmann N, Kaufmann C, Koch K, Kuno M, Kvale G, Kwon JS, Liu Y, Lochner C, Lázaro L, Marques P, Marsh R, Martínez-Zalacaín I, Mataix-Cols D, Menchón JM, Minuzzi L, Moreira PS, Morer A, Morgado P, Nakagawa A, Nakamae T, Nakao T, Narayanaswamy JC, Nurmi EL, O'Neill J, Pariente JC, Perriello C, Piacentini J, Piras F, Piras F, Reddy YCJ, Rus-Oswald OG, Sakai Y, Sato JR, Schmaal L, Shimizu E, Simpson HB, Soreni N, Soriano-Mas C, Spalletta G, Stern ER, Stevens MC, Stewart SE, Szeszko PR, Tolin DF, Venkatasubramanian G, Wang Z, Yun JY, van Rooij D; ENIGMA-OCD Working Group, Thompson PM, van den Heuvel OA, Stein DJ, van Wingen GA Structural Neuroimaging Biomarkers for Obsessive-Compulsive Disorder in the ENIGMA -OCD Consortium: Medication Matters. *Transl Psychiatry*. 2020 Oct 8;10(1):342. doi: 10.1038/s41398-020-01013-y. PMID: 33033241
19. Maruf AA, Stein K, **Arnold PD**, Aitchison KJ, Müller DJ, Bousman C. CYP2D6 and Antipsychotic Treatment Outcomes in Children and Youth: A Systematic Review *J Child Adolesc Psychopharmacol*. 2020 Oct 19. doi: 10.1089/cap.2020.0093. Online ahead of print. PMID: 33074724
20. Choi EJ, Vandewouw MM, Taylor MJ, **Arnold PD**, Brian J, Crosbie J, Kelley E, Lai MC, Liu X, Schachar RJ, Lerch JP, Anagnostou E. Beyond Diagnosis: Cross-diagnostic Features in canonical resting-state networks in children with developmental disorders. *Neuroimage Clin*. 2020 Oct 27;28:102476. doi: 10.1016/j.nicl.2020.102476. Online ahead of print. PMID: 33201803
21. Sinopoli VM, Erdman L, Burton CL, Easter P, Rajendram R, Baldwin G, Peterman K, Coste J, Shaheen SM, Hanna GL, Rosenberg DR, **Arnold PD**. Serotonin system gene variants and regional brain volume differences in pediatric OCD. *Brain Imaging Behav*. 2020 Oct;14(5):1612-1625. doi: 10.1007/s11682-019-00092-w. PMID: 31187473
22. Yilmaz Z, Halvorsen M, Bryois J, Yu D, Thornton LM, Zerwas S, Micali N, Moessner R, Burton CL, Zai G, Erdman L, Kas MJ, **Arnold PD**, Davis LK, Knowles JA, Breen G, Scharf JM, Nestadt G, Mathews CA, Bulik CM, Mattheisen M, Crowley JJ; Eating Disorders Working Group of the Psychiatric Genomics Consortium, Tourette Syndrome/Obsessive-Compulsive Disorder Working Group of the Psychiatric Genomics Consortium. Examination of the shared genetic basis of anorexia nervosa and obsessive-compulsive disorder. *Mol Psychiatry*. 2020 Sep;25(9):2036-2046. doi: 10.1038/s41380-018-0115-4. Epub 2018 Aug 7. PMID: 30087453
23. Boedhoe PSW, van Rooij D, Hoogman M, Twisk JWR, Schmaal L, Abe Y, Alonso P, Ameis SH, Anikin A, Anticevic A, Arango C, **Arnold PD**, Asherson P, Assogna F, Auzias G, Banaschewski T, Baranov A, Batistuzzo MC, Baumeister S, Baur-Streubel R, Behrmann M, Bellgrove MA, Benedetti F, Beucke JC, Biederman J, Bollettini I, Bose A, Bralten J, Bramati IE, Brandeis D, Brem S, Brennan BP, Busatto GF, Calderoni S, Calvo A, Calvo R, Castellanos FX, Cercignani M, Chaim-Avancini TM, Chantiluke

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24. Writing Committee for the Attention-Deficit/Hyperactivity Disorder; Autism Spectrum Disorder; Bipolar Disorder; Major Depressive Disorder; Obsessive-Compulsive Disorder; and Schizophrenia ENIGMA Working Groups, Patel Y, Parker N, Shin J, Howard D, French L, Thomopoulos SI, Pozzi E, Abe Y, Abé C, Anticevic A, Alda M, Aleman A, Alloza C, Alonso-Lana S, Ameis SH, Anagnostou E, McIntosh AA, Arango C, Arnold PD, Asherson P, Assogna F, Auzias G, Ayesa-Arriola R, Bakker G, Banaj N, Banaschewski T, Bandeira CE, Baranov A, Bargalló N, Bau CHD, Baumeister S, Baune BT, Bellgrove MA, Benedetti F, Bertolino A, Boedhoe PSW, Boks M, Bollettini I, Del Mar Bonnín C, Borgers T, Borgwardt S, Brandeis D, Brennan BP, Bruggemann JM, Bülow R, Busatto GF, Calderoni S, Calhoun VD, Calvo R, Canales-Rodríguez EJ, Cannon DM, Carr VJ, Cascella N, Cercignani M, Chaim-Avancini TM, Christakou A, Coghill D, Conzelmann A, Crespo-Facorro B, Cubillo AI, Cullen KR, Cupertino RB, Daly E, Dannlowski U, Davey CG, Denys D, Deruelle C, Di Giorgio A, Dickie EW, Dima D, Dohm K, Ehrlich S, Ely BA, Erwin-Grabner T, Ethofer T, Fair DA, Fallgatter AJ, Faraone SV, Fatjó-Vilas M, Fedor JM, Fitzgerald KD, Ford JM, Frodl T, Fu CHY, Fullerton JM, Gabel MC, Glahn DC, Roberts G, Gogberashvili T, Goikolea JM, Gotlib IH, Goya-Maldonado R, Grabe HJ, Green MJ, Grevet EH, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Guerrero-Pedraza A, Gur RE, Gur

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ii NON-PEER-REVIEWED PUBLICATIONS *

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iii BOOK CHAPTERS

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iv ABSTRACTS PRESENTED AT SCIENTIFIC MEETINGS – PEER REVIEWED [PA5][PA6]

- December 2021 Poster, ACNP, Suzuki
- October 2017 Oral Presentation, Spit for Science: Using Kids from the Community to Uncover the Genomics Of Childhood Psychiatric Disorders, Burton CL, Xiao B, Zarrei M, Erdman L, Merico D, Marshall C, Scherer S, Crosbie J, **Arnold PD**, Schachar R The 25th World Congress of Psychiatric Genetics Meeting, Orlando FL, USA - ACCEPTED
- October 2017 Oral Presentation, Genetics of ADHD Dimensions, Zayats T, Burton CL, Medland S, Ziao B, Crosbie J, **Arnold PD**, Schachar R, Johansson S, Neale B, Haavik J The 25th World Congress of Psychiatric Genetics Meeting, Orlando FL, USA - ACCEPTED
- October 1-6, 2016 Abstract Presentation, Cerebellar GABA concentration and intrinsic connectivity network synchrony in neurodevelopmental disorders, Dunkley B, Wong S, Lee W, Near J, **Arnold PD**, Schachar R, Lerch J, Anagnostou E, Pang E The 20th International Conference on Biomagnetism, Seoul, Korea [PA7]
- September 21, 2016 Oral Presentation in session, “Combating Stigma in Child and Youth Mental Health: From Neurons to Neighbourhoods” 22nd International Association for Child and Adolescent Psychiatry and Allied Professionals World Congress, Calgary, AB
- September 20, 2016 Trainee Supervisor Oral Presentation, From Community to Clinic and back: What Population-Based Samples can tell us about the Etiology of Childhood Psychopathology **Arnold PD**, Burton CL, Crosbie J, Madigan S, Wazana A, Stewart E Talk presented at 22nd International Association for Child and Adolescent Psychiatry and Allied Professionals World Congress, Calgary, AB
- September 19 2016 Abstract Presentation, Speaker in Symposium “Research on Childhood Sexual Abuse: Psychosocial, Neurobiological and Legal Perspectives” 22nd International Association for Child and Adolescent Psychiatry and Allied Professionals (IACAPAP) World Congress, Calgary, AB
- September 18, 2016 Abstract Presentation, Speaker in Pre-congress Institute: The Self, the Law, Genes and the Brain: The Impact of Childhood Sexual Abuse, Congress of the International Association for Child and Adolescent Psychiatrists and Allied Professionals (IACAPAP), Calgary, AB

- July 29, 2016 Oral Presentation, How Phenomics and Genomics have Improved our Understanding of Obsessive-Compulsive and Related Disorders (OCRD), **Arnold PD** (presenter and chair of session), Burton CL, Hanna G, Pato M 23rd Annual International OCD Foundation (IOCDF) Conference, Chicago, Illinois
- February 4, 2016 Trainee Supervisor Oral Presentation, A Genome-Wide Association Study of a Cognitive Endophenotype of ADHD in a Community-Based Pediatric Sample Burton, CL, Crosbie, J, Erdman, L, Dupuis, A, Park, LS, Sinopoli, V, Paterson, A, Strug, L, Schachar, R, **Arnold, PD** Talk presented in the Genes, Neuropsychology, and Child Psychopathology Symposium at the 44th Annual International Neuropsychology Association Meeting, Boston, MA
- Oct 19, 2015 Oral presentation The Dimensionality and Heritability of Obsessive-Compulsive Features in a Community Sample of Children and Adolescents Arnold, PD Presented in Symposium entitled "Genetics of Research Domain Criteria (RDoC)(**Arnold PD**, Chair; Glatt S, Moderator) World Congress of Psychiatric Genetics, 2015 Annual Meeting Toronto, Ontario
- Oct 18, 2015 Poster presentation Similarity Network Fusion Uncovers Clinically Relevant Patient Subtypes within Pediatric Obsessive Compulsive Disorder Patient Erdman L, **Arnold PD**, Hanna G, Goldenberg A World Congress of Psychiatric Genetics, 2015 Annual Meeting Toronto, Ontario
- Oct 17, 2015 Trainee Supervisor A Hypothesis-Driven Genome-Wide Association Study of an Obsessive- Compulsive Quantitative Trait in a Community-Based Sample of Children and Adolescents Burton C World Congress of Psychiatric Genetics, 2015 Annual Meeting Toronto, Ontario Recipient of Richard Todd Award for best oral presentation in the category of Childhood Psychiatric Disorders
- September 17, 2015 Trainee Supervisor Poster Presentation A Hypothesis-Driven Genome-Wide Association Study of an Obsessive-Compulsive Quantitative Trait in a Community-Based Sample of Children and Adolescents Burton, CL, Crosbie, J, Erdman, L, Dupuis, A, Park, LS, Sinopoli, V, Paterson, A, Strug, L, Schachar, R, **Arnold, PD** ERA-NET NEURON meeting, Helsinki, Finland
- May 14-16, 2015 Trainee Supervisor, A Genome Wide Association Study of Hoarding Behaviours in a Community-Based Sample of Children and Adolescents Burton C, Crosbie J, Erdman L, Dupuis A, Paterson AD, Soreni N, Carol A Mathews C, Schachar R, **Arnold, PD** Society of Biological Psychiatry, 70th Annual Scientific Convention: Stress, Emotion, Neurodevelopment and Psychopathology Toronto, Ontario (Trainee Presentation – Poster)
- May 14-16, 2015 Poster Presentation, A Genome Wide Association Study of Quantitative ADHD Dimensions in a Community-Based Sample of Children and Adolescents Crosbie J, Burton C, Erdman L, Dupuis A, Paterson AD, **Arnold PD**, Schachar R Society of Biological Psychiatry, 70th Annual Scientific Convention: Stress, Emotion, Neurodevelopment and Psychopathology Toronto, Ontario

- May 14-16, 2015 Poster Presentation, Canine Models for Attention Deficit and Hyperactivity Disorder (ADHD) Sulkama S, Tiira K, **Arnold PD**, Lohi, H Society of Biological Psychiatry, 70th Annual Scientific Convention: Stress, Emotion, Neurodevelopment and Psychopathology Toronto, Ontario
- May 5, 2015 Trainee Supervisor Oral/Poster Presentation, A Hypothesis-Driven Genome-Wide Association Study of an Obsessive-Compulsive Quantitative Trait in a Community-Based Sample of Children and Adolescents Burton, CL, Crosbie, J, Erdman, L, Dupuis, A, Park, LS, Sinopoli, V, Paterson, A, Strug, L, Schachar, R, **Arnold, PD** Hospital for Sick Children Genetics & Genome Biology retreat, Toronto, ON *Best poster award received*
- April 10, 2015 Abstract/Oral Presenter, A Multimodal Imaging Genetics Study of Glutamate System Genes and the Anterior Cingulate Cortex in Pediatric OCD **Arnold PD**, Rajendram R, Aguda V, Burton C, Erdman L, Rix C, Scherer SW, Diwadkar V, Hanna GL, Rosenberg DR Anxiety Disorders Association of America Conference, Miami, Florida
- Sept 14, 2014 Oral Presenter, **Arnold PD**, Rajendram R, Gazzellone MJ, Scherer SW, Hanna GL Discovery of rare genetic variants in pediatric obsessive-compulsive disorder Canadian Academy of Child & Adolescent Psychiatry 34th Annual Meeting, Toronto Part of symposium entitled "DNA Doesn't Read the DSM-5: Cross-Disorder Genetic Risk Factors" Arnold PD (Chair), Burton CL Lerch J
- Sept 14-16, 2014 Poster Presenter, Manassis K, Jones E, **Arnold P**, Ickowicz A, Mendlowitz S, Bennett K, Schmidt F, Wilansky P (poster) Translating cognitive behavioral therapy for anxious youth to rural settings via telepsychiatry Canadian Academy of Child & Adolescent Psychiatry 34th Annual Meeting, Toronto, September, 2014
- May 14-17, 2014 Poster Presentation, Characterization of Mice Bearing Humanized Androgen Receptor Genes (h/mAr) varying in Q Tract Polymorphism Length International Meeting for Autism Research (IMFAR), Atlanta, Georgia Presenters: Z Buchwald Z, Ellegood J, Burton C, Robins DM, Raznahan, **Arnold P**, Lerch JP
- May 10, 2014 Co-Chair, Symposium entitled, Frontal-Striatal Thalamic Dysfunction in OCD: From Genes to Brain Structure and Dys-Functioning Brain Networks, Society of Biological Psychiatry, 68th Annual Meeting, New York, NY Co-Chair: Rosenberg D Presenters: Hanna GL, Diwadkar VA
- May 10, 2014 Poster Presentation, Extreme trait genome-wide association study of an ADHD-related endophenotype in the general population Burton CL, Crosbie J, Dupuis A, Paterson AD, **Arnold PD**, Schachar RJ Society of Biological Psychiatry, 68th Annual Meeting, New York, NY
- May 10, 2014 Oral Presenter, Imaging genomics of Frontal-striatal-thalamic circuitry in OCD Society of Biological Psychiatry, 68th Annual Meeting, New York, NY

- Dec 8-12, 2013 Poster Presentation, Obsessive-compulsive traits in children and adolescents from the general population: a genome-wide association study American College of Neuropharmacology (ACNP) Annual Meeting Hollywood, Florida, United States **Arnold PD**, Burton CL, Sinopoli V, Crosbie J, Park LS, Dupuis A, Paterson AD, Schachar RJ
- Dec 9, 2013 Poster Presentation, Examining fronto-striatal circuit structure and function in treatment-naïve children and adolescents with obsessive-compulsive disorder American College of Neuropharmacology (ACNP) Annual Meeting Hollywood, Florida Ameis S, Dockstader C, Mabbott D, Mendlowitz S, Shachter R, Tam C, Liu F, Widjaja E, Schachar RJ, **Arnold PD**
- Nov 18, 2013 Oral Presenter, An update on the genetics of obsessive-compulsive disorder Canadian Academy of Child and Adolescent Psychiatry, 33rd Annual Meeting, Vancouver, BC Part of symposium entitled “Neural and genetic findings in pediatric obsessive-compulsive disorder **Arnold PD**, Hanna GL Stewart SE
- Nov 17-19, 2013 Trainee Co-supervisor, Implementing Cognitive-Behavioral Therapy for Anxious Youth: A Knowledge Translation Project Presenter: Jones E, [Jones E, Nowrouzi B, Ickowicz A, Mendlowitz S, **Arnold P**, Wilansky-Traynor P, Bennett K, Schmidt F, Manassis K] Canadian Academy of Child and Adolescent Psychiatry, 33rd Annual Meeting, Vancouver, BC (Trainee Presentation – Poster)
- Nov 17-19, 2013 Trainee Supervisor, Serotonin transporter variant and hoarding traits in a pediatric population Presenter: Sinopoli VM [Sinopoli VM, Dupuis A, Burton C, Crosbie J Shan J, Schachar R, **Arnold P**] Canadian Academy of Child and Adolescent Psychiatry, 33rd Annual Meeting, Vancouver, BC (Trainee Presentation – Poster)
- Oct 25, 2013 Poster Presentation, Uncovering Obsessive-Compulsive Disorder risk genes using a high- resolution genome-wide CNV approach American Society of Human Genetics 2013 Annual Meeting, Boston MA Gazzellone MJ, Shaheen SM, Li B, Schachter RJ, Lionel AC, Thiruvahindrapduram B, Uddin M, Fitzgerald KD, Marshall CR, Rosenberg DR, Soreni N, Hanna GL, **Arnold PD**, Scherer SW
- Oct 25, 2013 Trainee Supervisor, The relationship between hoarding and ADHD traits in children and adolescents in the general population (Trainee Presentation – Speaker) American Academy of Child and Adolescent Psychiatry, 60th Annual Meeting, Orlando FL Burton CL, Crosbie J, Mathews C, Soreni M, Schachar RJ, **Arnold PD** Part of symposium entitled “Compulsive hoarding in children: emerging evidence regarding genetic and clinical correlates Chair: Mohatt JW
- Oct 22-26, 2013 Co-author, Oral Presentation, Disruption of the ASTN2 / TRIM32 locus at chr9q331 in gender modulated risk for autism, ADHD and other neurodevelopmental phenotypes American Society of Human Genetics 2013 Annual Meeting, Boston MA Tammimies K, Lionel AC, Vaags AK, Rosenfeld JA, Ahn JW, Noor A, Runk CK, Pillalamarri V, Carter MT, Fagerberg C, Lowry BR,

Gazzellone MJ, Yuen RKC, Walker S, Fernandez BA, Tolson D, Cobb DS, **Arnold PD**, Szatmari P, Schachar RJ, Marshall CR, Brasch-Andersen C, Speevak M, Fichera M, Ogilvie CM, Stavropoulos DJ, Yen Y, Hodge JC, Talkowski ME, Scherer SW

- Oct 22-26, 2013 Trainee Supervisor, Association between serotonin transporter variant, 5-HTTLPR, and hoarding traits in a population-based pediatric sample American Society of Human Genetics, 63rd Annual Meeting, Boston, MA Sinopoli VM, Dupuis A, Burton C, Crosbie J Shan J, Schachar R, **Arnold P** (Trainee Presentation – Poster)
- Oct 17-21, 2013 Trainee Supervisor, Identification of a rare missense variant in neuronal glutamate transporter SLC1A1 associated with obsessive-compulsive disorder World Congress of Psychiatric Genetics, 21st Annual Meeting, Boston MA Rajendram R, Li B, Richter MA, Kennedy JL, Marshall C, Hanna GL, **Arnold PD** (Trainee Presentation – Poster)
- Oct 17-21, 2013 Trainee Supervisor, A genome-wide association study of quantitative obsessive-compulsive traits in children and adolescents from the general population World Congress of Psychiatric Genetics, 21st Annual Meeting, Boston MA Burton CL, Sinopoli V, Crosbie J, Park LS, Dupuis A, Paterson AD, Schachar RJ, **Arnold PD** (Trainee Presentation – Poster)
- July 18, 2013 Oral Presenter, Identifying Rare Variants in Large Families Affected by OCD International OCD Foundation Annual Meeting, Atlanta, GA Part of symposium entitled “Family, Genes and Environment”
- June 11, 2013 Trainee Supervisor, Serotonin transporter variant, 5-HTTLPR, and association with hoarding traits in a pediatric population Sinopoli VM, Dupuis A, Burton C, Crosbie J, Shan J, Schachar R, **Arnold P** University of Toronto, 39th Annual Department of Psychiatry’s Harvey Stancer Research Day (Trainee Presentation – Poster)
- June 9, 2013 Poster Presentation, DNA Methylation Profiles of Pediatric Obsessive-Compulsive Disorder European Society of Human Genetics Annual Meeting, Paris, France **Arnold PD**, Butcher DT, Hanna GL, Rosenberg DR, Kennedy JL, Weksberg R
- June 8, 2013 Speaker, DNA Methylation Profiles of Pediatric Obsessive-Compulsive Disorder European Society of Human Genetics Annual Meeting, Paris, France
- April 22, 2013 Oral presentation, Dimensions and heritability of obsessive-compulsive traits in a population sample of children and adolescents 2nd Annual Canadian Human and Statistical Genetics Meeting, Estereel, Quebec, Canada Presenter: Park LS, [Park, LS, Burton C, Sinopoli V, Shan J, Dupuis A, Forget-Dubois N, Crosbie J, Schachar RJ, **Arnold, PD**] (Trainee Presentation)

- Dec 4, 2012 Poster Presentation Identifying Rare Variants for Obsessive-Compulsive Disorder Using Family-Based Whole Exome Sequencing Analysis: Preliminary Findings American College of Neuropharmacology (ACNP) Annual Meeting Hollywood, Fla **Arnold PD**, Li B, Marshall C, Lionel A, Scherer SW, Hanna GL
- Nov 7, 2012 Trainee Poster Presentation DNA Methylation Profiles of Pediatric Obsessive-Compulsive Disorder American Society of Human Genetics annual meeting, San Francisco, CA Butcher DT, Hanna GL, Rosenberg DR, Weksberg R **Arnold PD**
- Nov 7, 2012 Poster Presentation An Association Study Comparing Children with Extreme High and Extreme Low Obsessive-compulsive Traits in the General Population American Society of Human Genetics annual meeting, San Francisco, CA **Arnold PD**, Sinopoli V, Crosbie J, Park L, Dupuis A, Paterson A, Shachar RJ
- Sept 30 – Oct 2, 2012 Trainee Supervisor, High Obsessive-Compulsive Traits in Children and Adolescents From the General Population Show Association with Impaired Response Inhibition Measured by the Stop- Signal Task Canadian Academy of Child and Adolescent Psychiatry 32nd Annual Meeting, Montreal, Canada Presenter: Park LS, [Park, LS, Crosbie J, Shan J, Dupuis A, Schachar RJ, **Arnold, PD**] (Trainee Presentation)
- Sept 30 – Oct 2, 2012 Trainee Supervisor, Serotonin system genetics and pediatric, obsessive-compulsive trait extremes Presenter: Sinopoli VM, [Sinopoli VM, Dupuis A, Crosbie J, Shan J, Schachar R, **Arnold P**] Canadian Academy of Child and Adolescent Psychiatry 32nd Annual Meeting, Montreal, Canada (Trainee Presentation – Poster)
- June 14, 2012 Trainee Supervisor, A pediatric study examining obsessive-compulsive trait extremes and association with serotonin transporter gene variants Sinopoli VM, Dupuis A, Burton C, Crosbie J, Shan J, Schachar R, **Arnold P** University of Toronto, 38th Annual Department of Psychiatry's Harvey Stancer Research Day (Trainee Presentation – Poster)
- May 15, 2012 Trainee Supervisor, High Obsessive-Compulsive Traits in Children and Adolescents From the General Population Show Association with Impaired Response Inhibition Measured by the Stop- Signal Task University of Toronto Institute of Medical Science Scientific Day, Toronto, Canada Presenter: Park LS, [Park LS, Crosbie J, Shan J, Dupuis A, Schachar RJ, **Arnold PD**] (Trainee Presentation – Poster)
- May 15, 2012 Trainee Supervisor: A Genetic Study Associating Brain Volume Abnormalities with Serotonin System Gene Variants in Pediatric Obsessive-Compulsive Disorder Sinopoli VM, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg, **P Arnold** Institute of Medical Science Scientific Day – Alan Wu Poster Competition, Toronto, ON (Trainee Presentation – Poster)
- May 15, 2012 Trainee Supervisor, A Genetic Study, In Children, Examining Association Between Obsessive- Compulsive Trait Extremes and Serotonin Transporter

- Variants Sinopoli VM, A Dupuis, J Crosbie, J Shan, R Schachar, **P Arnold** Institute of Medical Science Scientific Day – Alan Wu Poster Competition, Toronto, ON (Trainee Presentation – Poster)
- May 1, 2012 Poster Presenter, Investigating the association between the glutamate genes SLC1A1, DLGAP3, and GRIN2B and symptom subtypes of obsessive-compulsive disorder Canadian Human and Statistical Genetics Meeting Niagara-on-the-Lake, ON, Canada [**Arnold PD**, Doan BT, Beneteau J, Taillefer S, Shaheen S-M, Stewart SE, Kennedy JL, Richter MA]
- May 1, 2012 Trainee Supervisor, Exploring the Relationship between Glutamate Gene Variants and Obsessive-Compulsive Disorder-Related Endophenotypes in Children Canadian Human and Statistical Genetics Meeting, Niagara Region, Niagara-on-the-Lake, ON, Canada Presenter: Park LS, [Park LS, Brown R, Li B, Crosbie J, Schachar R **Arnold PD**] (Trainee Presentation – Poster)
- April 29 – May 2, 2012 Trainee Supervisor, A Genetic Study, In Children, Examining Association Between Obsessive- Compulsive Trait Extremes and Serotonin Transporter Variants Sinopoli VM, Dupuis A, Crosbie J, Shan J, Schachar R, **Arnold PD** Canadian Human and Statistical Genetics Meeting Niagara- on-the-Lake, ON, Canada (Trainee Presentation – Poster)
- April 29 – May 2, 2012 Trainee Supervisor, Exploring the Relationship between Glutamate Gene Variants and Obsessive-Compulsive Disorder-Related Endophenotypes in Children Park LS, Brown R, Li B, Crosbie J, Schachar R, **Arnold PD** Canadian Human and Statistical Genetics Meeting, Niagara- on-the-Lake, ON, Canada (Trainee Supervisor - Trainee Poster Presentation)
- April 30, 2012 Trainee Supervisor, High Obsessive-Compulsive Traits in Children and Adolescents From the General Population Show Association with Impaired Response Inhibition Measured by the Stop- Signal Task University of Toronto Collaborative Program in Neuroscience Day joint with The Southern Ontario Neuroscience Association Chapter of The Society for Neuroscience, Toronto, ON Presenter: Park LS, [Park, LS, Crosbie J, Shan J, Dupuis A, Schachar RJ, **Arnold, PD**] (Trainee Presentation – Poster)
- April 30, 2012 Trainee Supervisor, A Pediatric, Genetic Study Examining Association between Obsessive- Compulsive Disorder Subtype Extremes and Serotonin Transporter Variants Sinopoli VM, A Dupuis, J Crosbie, J Shan, R Schachar, **P Arnold** University of Toronto Collaborative Program in Neuroscience Day joint with The Southern Ontario Neuroscience Association Chapter of The Society for Neuroscience, Toronto, ON (Trainee Presentation – Poster)
- April 15, 2012 Oral Presenter Imaging Genetics Studies in Pediatric OCD Anxiety Disorders Association of America, Annual Meeting Washington, DC Part of symposium entitled “Advances in Pediatric OCD: Utilizing Biological and Environmental Data to Inform Assessment and Treatment”

- Mar 15, 2012 Trainee Supervisor, Obsessive-Compulsive Disorder: Relating serotonin system gene variants with obsessive-compulsive traits and brain imaging patterns in a pediatric population Sinopoli VM, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg, A Dupuis, J Crosbie, J Shan, R Schachar, **P Arnold** SickKids Genetics and Genome Biology Seminar Series, March 15, 2012 (Trainee Presentation – Oral)
- Mar 9, 2012 Trainee Supervisor, A Genetic Study Associating Brain Volume Abnormalities with Serotonin System Gene Variants in Pediatric Obsessive-Compulsive Disorder Sinopoli VM, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg, **P Arnold** SickKids Genetics & Genome Biology Program and Molecular Medicine 4th Annual Program Retreat, Toronto, ON, March 9, 2012 (Trainee Presentation – Oral)
- Nov 16, 2011 Trainee Poster Presentation for Supervisor, The Association between Glutamate System Genes and Brain Volume Alterations in Children with OCD **Arnold PD**, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg Silver Dinner hosted by Healthy Minds Canada (Formerly Canadian Psychiatric Research Foundation), Toronto, ON
- Nov 16, 2011 Trainee Supervisor, A Genetic Study Associating Brain Volume Abnormalities with Serotonin System Gene Variants in Pediatric Obsessive-Compulsive Disorder Sinopoli VM, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg, **P Arnold** Silver Dinner hosted by Healthy Minds Canada (Formerly Canadian Psychiatric Research Foundation), Toronto, ON
- Oct 22, 2011 Poster Presentation Meta-Analysis of Association Between the Neuronal Glutamate Transporter Gene SLC1A1 and Obsessive Compulsive Disorder American Academy of Child and Adolescent Psychiatry and Canadian Academy of Child and Adolescent Psychiatry, Joint Annual Meeting Toronto, Ontario, Canada Presenter: Stewart SE [Mayerfeld C, **Arnold PD**, Hanna GL, Crane J, Fagerness JA, O’Dushlaine C, Scharf J, Murphy DL, Wendland JR, Veenstra-VanderWelle J, Nestadt G, Fyer AJ, Grados MA, Greenberg BD, Knowles JA, McCracken JT, Rasmussen SA, Riddle MA, Samuels JF, Wang Y, Hounie AG, Sampaio AS, Jenike MA, Rauch SL, Pauls D, Matthews CA, Stewart SE]
- Oct 19, 2011 Poster Presentation International Obsessive Compulsive Disorder Foundation Genetics Collaborative Genomewide Association Study of Obsessive Compulsive Disorder American Academy of Child and Adolescent Psychiatry and Canadian Academy of Child and Adolescent Psychiatry, Joint Annual Meeting Toronto, Ontario, Canada Presenter: Stewart SE [Stewart SE, Yu D, Scharf J, Gamazon ER, Evans PD, Knowles JA, Matthews CA, **Arnold PD**, Hanna GL, Nestadt G, Wagner M, Denys D, Cath DC, Lochner C, Murphy DL, Hounie AG, Cavallini MC, Nicolini, HS, Delorme R, Stein DJ, Samuels JF, Miguel EC, Pato MC, Fagerness JA, Mayerfeld C, Haddad SA, Neale, BM, Purcell S, Cox N, Pauls D]

- Oct 19, 2011 Oral Presenter Common and rare genetic variants in obsessive-compulsive disorder American Academy of Child and Adolescent Psychiatry and Canadian Academy of Child and Adolescent Psychiatry, Joint Annual Meeting Toronto, Ontario, Canada Presenter: **Arnold PD** Part of symposium entitled Childhood Onset Schizophrenia, Autism, ADHD, Obsessive-Compulsive Disorder: Recent Genetic Findings and Speculations about Overlap [Arnold PD, Stewart SE, Mathews CA, Rosenberg DR, Hanna GL]
- Oct 11-15, 2011 Trainee Supervisor, A Genetic Study Associating Brain Volume Abnormalities with Serotonin System Gene Variants in Pediatric Obsessive-Compulsive Disorder Sinopoli VM, K Wu, F MacMaster, P Easter, J Kennedy, G Hanna, D Rosenberg, **P Arnold** International Congress of Human Genetics/ American Society of Human Genetics, 12th International Conference, Montreal, QC, October 11-15, 2011, 543W (Trainee Presentation – Poster)
- Oct 13, 2011 Poster Presenter Investigating the association between the glutamate genes SLC1A1, DLGAP3, and GRIN2B and symptom subtypes of obsessive-compulsive disorder 12th International Congress of Human Genetics/61st Annual Montreal, QC, Canada Presenter: **Arnold PD** [Arnold PD, Doan BT, Beneteau J, Taillefer S, Shaheen S-M, Stewart SE, Kennedy JL, Richter MA]
- Oct 13, 2011 SRA (Poster Presentation) A preliminary study of genotype-phenotype correlations for rare copy number variants in children with obsessive-compulsive disorder 12th International Congress of Human Genetics/61st Annual Meeting of the American Society of Human Genetics Montreal, QC, Canada Presenter: Li B [Li B, Marshall C, Lionel A, Shaheen S-M, Scherer SW, Hanna GL, Kennedy JL, Rosenberg DR, **Arnold PD**]
- Oct 13, 2011 SRA (Poster Presentation) Population-based association study of the Dopamine Receptor D4 (DRD4) gene in attention deficit disorder (ADHD) and response inhibition 12th International Congress of Human Genetics/61st Annual Meeting of the American Society of Human Genetics Montreal, QC, Canada Presenter: Shaheen S-M [Shaheen S, Ickowicz S, Crosbie J, Paterson AD, Li B, Schachar RJ, **Arnold PD**]
- Oct 12, 2011 Trainee Supervisor, A genetic study associating brain volume abnormalities with serotonin system gene variants in pediatric obsessive-compulsive disorder 12th International Congress of Human Genetics/61st Annual Meeting of the American Society of Human Genetics Montreal, QC, Canada Presenter: Sinopoli V [Sinopoli V, Wu K, MacMaster F, Easter PC, Kennedy JL, Hanna GL, Rosenberg DR, **Arnold PD**] (Trainee Poster Presentation)
- Sept 10-14, 2011 Co-Author White matter volume and genetic analyses of the myelin oligodendrocyte glycoprotein (MOG and oligodendrocyte lineage transcription factor (OLIG2) genes in patients with obsessive-compulsive disorder (OCD)

- World Congress of Psychiatric Genetics (WCPG), XIXth Annual Meeting
Washington, DC, USA Presenter: Zai G [Zai G, **Arnold PD**, Richter MA, Hanna GL,
Rosenberg DR, Kennedy JL]
- Sept 10-14, 2011 Abstract Publication, Brain Volumetric Phenotypes and Serotonin System
Genetic Variation in Pediatric Obsessive-Compulsive Disorder **Arnold PD**, VM
Sinopoli, K Wu, P Easter, JL Kennedy, GL Hanna, DR Rosenberg World Congress
of Psychiatric Genetics (WCPG), XIXth Annual Meeting Washington, DC, USA
PP142
- June 16, 2011 Oral Presenter The association between glutamate system genes and brain
volume alterations in children with obsessive-compulsive disorder 37th Annual
Harvey Stancer Day, Toronto, ON, CANADA Presenter: **Arnold PD** [Arnold PD,
Wu K, MacMaster F, Easter P, Kennedy JL, Hanna GL, Rosenberg DR]
- June 16, 2011 Trainee Supervisor Investigating the association between obsessive-compulsive
disorder and the Glutamate Genes SLC1A1, DLGAP3, AND GRIN2B 37th Annual
Harvey Stancer Day, Toronto, ON, CANADA Presenter: Doan B [Doan B, **Arnold
PD**, Taillefer S, Shaheen SM] (Trainee Presentation)
- June 16, 2011 Trainee Supervisor Population-based association study of glutamatergic
candidate genes in Obsessive Compulsive Disorder (OCD) and Response
Inhibition 37th Annual Harvey Stancer Day, Toronto, ON, CANADA Presenter:
Shaheen SM [Shaheen SM, Wu K, Crosbie J, Paterson A, Schachar RJ, Hanna GL,
Rosenberg DR, **Arnold PD**] (Trainee Presentation)
- June 16, 2011 Trainee Supervisor Obsessive-compulsive traits in children and adolescent from
the general Population have no effect on stop-signal task performance 37th
Annual Harvey Stancer Day, Toronto, ON, CANADA Presenter: Park LS [Park LS,
Crosbie J, Shan J, Dupuis A, Schachar RJ, **Arnold PD**] (Trainee Presentation)
- June 16, 2011 Trainee Supervisor A genetic study associating brain volume abnormalities with
serotonin System gene variants in pediatric obsessive-compulsive disorder 37th
Annual Harvey Stancer Day, Toronto, ON, CANADA Presenter: Sinopoli V
[Sinopoli V, Wu K, MacMaster F, Easter PC, Kennedy JL, Hanna GL, Rosenberg
DR, **Arnold PD**] (Trainee Presentation – Poster)
- May 12, 2011 Oral Presenter Glutamate System Genes and Neuroimaging Phenotypes in
Pediatric Obsessive-Compulsive Disorder Society of Biological Psychiatry, 66th
Annual Meeting San Francisco, CA, USA Presenter: Arnold, PD Part of
symposium entitled “The OCD Brain: From Cortex to Gene” (Chair: MA Richter)
- May 12, 2011 Poster Presenter The glutamate transporter gene SLC1A1 in males with
obsessive-compulsive disorder: rare variant screening and functional studies
Society of Biological Psychiatry, 66th Annual Meeting San Francisco, CA, USA
Presenter: Arnold PD [**Arnold PD**, Veenstra- Vanderweele J, Xu T, Ruggerio AM,
Anderson LR, Jones ST, Himle JA, Kennedy JL, Richter MA, Hanna GL]

- May 12, 2011 Co-Author Genetics analyses of the myelin oligodendrocyte glycoprotein (MOG) and oligodendrocyte lineage transcription factor (Olig2) genes with white matter volume in obsessive-compulsive disorder Society of Biological Psychiatry, 66th Annual Meeting San Francisco, CA, USA Presenter: Zai G [Zai G, **Arnold PD**, Richter MA, Hanna GL, Rosenberg DR, Kennedy JL]
- May 12, 2011 SRA (Poster Presentation) Population-based association study of glutamatergic candidate genes in obsessive compulsive disorder (OCD) and response inhibition Society of Biological Psychiatry, 66th Annual Meeting San Francisco, CA, USA Presenter: Shaheen S-M [Shaheen S- M, Wu K, Crosbie J, Paterson AD, Schachar RJ, **Arnold PD**]
- Dec 8, 2010 Poster Presenter The association between glutamate system genes and brain volume alterations in children with obsessive-compulsive disorder American College of Neuropsychopharmacology (ACNP) Annual Meeting Miami Beach, FL, USA Presenter: **Arnold PD** [Arnold PD, Wu K, MacMaster F, Easter P, Kennedy JL, Hanna GL, Rosenberg DR]
- Dec 6, 2010 Co-Author Meta-analysis of the glutamate transporter gene SLC1A1 in obsessive-compulsive disorder American College of Neuropsychopharmacology (ACNP) Annual Meeting Miami Beach, FL, USA Presenter: Stewart SE [Stewart SE, **Arnold PD**, Mayerfield C, Fagerness J, O'Dushlaine C, Scharf J, Wendland J, Delorme R, Richter MA, Nestadt G, Murphy DL, Hanna GL, Mathews CA]
- Nov 5, 2010 Poster Presenter Psychiatric Genetics Goes to the Dogs: A Canine Model of Compulsive Behaviour American Society of Human Genetics Washington, DC, USA Presenter: **Arnold PD** [Arnold PD, Tiira K, Escriou C, Thomas A, Renier S, De Citres CD, Koskinen L, Lohi H]
- Nov 5, 2010 Co-Author Cross-neuropsychiatric disorder comparisons of rare copy number variation identify risk genes for attention deficit and hyperactivity American Society of Human Genetics Washington, DC, USA Presenter: Lionel AC [Lionel AC, Crosbie J, Barbosa N, Goodale T, Thiruvahindrapduram B, Rickaby J, Howe JL, Wang Z, Wei J, Zwaigenbaum L, Fernandez BA, Roberts W, **Arnold PD**, Szatmari P, Marshall CR, Schachar RJ, Scherer SW]
- Oct 26-31, 2010 Co-Author Rare Copy Number Variants Identify Risk Genes for Attention Deficit and Hyperactivity American Academy of Child and Adolescent Psychiatry 57th Annual Meeting New York, NY, USA Presenter: Lionel AC [Lionel AC, Schachar RJ, Crosbie J, Barbosa N, Goodale T, Thiruvahindrapduram B, Wei J, Rickaby J, Wang Z, **Arnold PD**, Marshall CR, Scherer SW]
- Oct 26-31, 2010 Co-Author Testing the Validity of ADHD Endophenotypes in the General Population American Academy of Child and Adolescent Psychiatry 57th Annual Meeting New York, NY, USA Presenter: Crosbie J [Crosbie J, **Arnold PD**, Swanson JM, Taylor C, Paterson A, Dupuis A, Schachar RJ]

- Sept 27, 2010 Oral Presenter New findings on the genetics of Obsessive Compulsive Disorder (OCD) Canadian Academy of Child and Adolescent Psychiatry 30th Annual Conference Toronto, ON, CANADA Presenter: **Arnold PD** Part of symposium entitled "Child Psychiatry in the Genomic Era: Implications for Clinical Practice" (Chair: RJ Schachar)
- Sept 22-25, 2010 Co-Author Phenotypic and genetic characterization of "spinning" or "tail-chasing" in bull terriers 5th Annual Conference on Advances in Canine and Feline Genomics and Inherited Diseases Baltimore, MD, USA Presenter: Escriou C [Escriou C, Tiira K, Renier S, De Citres CD, Koskinen L, **Arnold PD**, Lohi H, Thomas A]
- July 25-28, 2010 Co-Author Clinical and genetic characterization of tail chasing in bull terriers Canine Science Forum Vienna, Austria Presenter: Tiira K [Tiira K, Escriou C, Thomas A, Renier S, De Citres CD, Koskinen L, **Arnold PD**, Lohi H]
- June 17, 2010 Poster Presenter Psychiatric genetics goes to the dogs: a canine model of obsessive-compulsive behaviour 36th Annual Harvey Stancer Research Day, Toronto, ON, CANADA Presenter: Arnold PD [**Arnold PD**, Tiira K, Escriou C, Thomas A, Renier S, De Citres CD, Koskinen L, Minassian B, Lohi H]
- June 17, 2010 Trainee Supervisor, A Preliminary Genetic Association Study of the Serotonin Transporter and Response Inhibition as a Potential OCD Endophenotype in Children Presenter: Sinopoli V, **Arnold P** 36th Annual Harvey Stancer Research Day, Toronto, ON, CANADA (Trainee Presentation – Poster)
- April 23, 2010 Trainee Supervisor, A Preliminary Genetic Association Study of the Serotonin Transporter and Response Inhibition as a Potential OCD Endophenotype in Children Sinopoli VM, **PD Arnold** 2nd Annual SickKids Genetics and Genome Biology and Molecular Medicine Retreat (Trainee Presentation – Poster)
- April 9, 2010 Trainee Supervisor, A Preliminary Genetic Association Study of the Serotonin Transporter and Response Inhibition as a Potential OCD Endophenotype in Children Sinopoli VM, **PD Arnold** McMaster Biology Undergraduate Symposium, April 9, 2010 (Trainee Presentation – Oral)
- April 8, 2010 Trainee Supervisor, A Preliminary Genetic Association Study of the Serotonin Transporter and Response Inhibition as a Potential OCD Endophenotype in Children Sinopoli VM, **PD Arnold** SickKids Genetics and Genome Biology Research Seminar Series, April 8, 2010 Trainee Presentation – Oral)
- Dec 6-11, 2009 Oral Presenter Combined Imaging – Genetic Approaches in OCD American College of Neuropharmacology (ACNP), Hollywood, FL, USA Presenter: Arnold PD Part of panel presentation entitled "Examining the Glutamate Hypothesis of Pediatric OCD with Neuroimaging and Genetics" (Chair: DR Rosenberg) [**Arnold, PD**, MacMaster, FP, Hanna, GL, Richter, MA, Sicard, T, Burroughs, E, Mirza Y, Easter, PC, Rose, M, Kennedy, JL, Rosenberg, DR]

- Nov 13, 2009 Oral Presenter Combined imaging genetics approaches in OCD Canadian Academy of Child and Adolescent Psychiatry 29th Annual Conference Toronto, ON, CANADA Presenter: **Arnold PD** Part of symposium entitled "Nature and Nurture in the Etiology and Development of OCD" (Chair: PD Arnold)
- Nov 7, 2009 Oral Presenter DLGAP3 and obsessive-compulsive disorder World Congress of Psychiatric Genetics (WCPG) XVII, San Diego CA, USA Presenter: **Arnold PD** Part of symposium entitled "Obsessive-compulsive disorder and tourette disorder: phenotype, genotype and genome-wide association studies" (Chair: DL Pauls) [Arnold PD, Stewart SE, Shaheen S-M, Fagerness J, Taillefer S, Doan B, Hounie AG, Kennedy JL, Cook E, Pauls DL, Richter MA, Mathews CA, Hanna GL]
- Oct 22, 2009 Co-Author Obsessive-Compulsive Foundation Genetics Collaborative: A genome-wide association study of obsessive-compulsive disorder American Society of Human Genetics 59th Annual Meeting Honolulu, HI, USA Presenter: Stewart SE [Stewart SE, Neale BM, Fagerness JA, Mathews C, Knowles J, **Arnold PD**, Hanna G, Cath D, Denys D, Hounie AG, Wagner M, Lochner C, Cavallini MC, Nicolini H, Murphy D, Nestadt G, Purcell S, Pauls D]
- June 25, 2009 Co-Author A role for the serotonin receptor gene 5HTR2A in predicting SRI response in obsessive-compulsive disorder (OCD) 35th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: Richter MA [Richter MA, Zai G, Likhodi O, **Arnold PD**, Sicard T, Burroughs E, Kennedy JL]
- June 25, 2009 Co-Author Association and interaction between the Brain-Derived Neurotrophic Factor (BDNF) gene in obsessive-compulsive disorder (OCD) 35th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: Zai G [G Zai, **PD Arnold**, Q Van Adrichem, N Bulgin, T Sicard, E Burroughs, JL Kennedy, MA Richter]
- June 19, 2008 Oral Presenter DLGAP3, a candidate gene derived from a mouse knockout model, may be associated with obsessive-compulsive disorder 34th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Stewart SE, Fagerness JA, Moorjani P, Scharf J, Hounie AG, Sampaio A, Miguel E, Delorme R, Leboyer M, Kennedy JL, Cook EH Jr, Pauls DL, Richter MA, Mathews Ca, Hanna GL]
- June 8, 2008 Poster Presenter DLGAP3, a candidate gene derived from a mouse knockout model, may be associated with obsessive-compulsive disorder 31st Annual Meeting of the Canadian College of Neuropsychopharmacology (CCNP) Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Stewart SE, Fagerness JA, Moorjani P, Scharf J, Hounie AG, Sampaio A, Miguel E, Delorme R, Leboyer M, Kennedy JL, Cook EH Jr, Pauls DL, Richter MA, Mathews Ca, Hanna GL]
- April 29, 2008 Poster Presenter Obsessive-Compulsive Disorder: Combined Genetic and Neuroimaging Analysis of a Complex Psychiatric Trait 3rd Annual Canadian Genetic Epidemiology and Genetic Statistics Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, MacMaster FP, Hanna GL, Richter MA, Sicard T, Burroughs E, Mirza Y, Easter PC, Rose M, Kennedy JL, Rosenberg DR]

- Nov 11-15, 2008 Poster Presenter The association between sequence variation in the serotonin transporter gene and obsessive-compulsive symptom dimensions American Society of Human Genetics 58th Annual Meeting, Philadelphia, PA, USA
Presenter: **Arnold PD** [**Arnold PD**, Beneteau J, Sicard T, Burroughs E, Kennedy JL, Richter MA]
- Oct 15-17, 2008 Poster Presenter Sequence variation in DLGAP3 and obsessive-compulsive disorder Human Genome Variation Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Stewart SE, Fagerness JA, Moorjani P, Scharf J, Hounie AG, Sampaio A, Miguel E, Delorme R, Leboyer M, Kennedy JL, Cook EH Jr, Pauls DL, Richter MA, Mathews Ca, Hanna GL]
- June 3, 2008 Oral Presenter Obsessive-Compulsive Disorder: Study of a Complex Psychiatric Trait Using Putative Neuroimaging Intermediate Phenotypes 7th Annual Meeting of the Complex Trait Consortium Montreal, QC, CANADA Presenter: **Arnold PD** [**Arnold PD**, MacMaster FP, Richter MA, Hanna GL, Sicard T, Burroughs E, Mirza Y, Easter PC, Rose M, Kennedy JL, Rosenberg DR]
- Dec 10, 2007 Oral Presenter What can genetics tell us regarding the nosology of OCD and spectrum disorders? American College of Neuropsychopharmacology Meeting Boca Raton, FL, USA Presenter: **Arnold PD** Part of Study Group entitled "How Can Translational Neuroscience Inform DSM-V? The Example of the OCD Spectrum" [**Arnold PD**, Richter MA, Nicolini H, Nestadt G, Kennedy JL]
- Oct 25, 2007 Oral Presenter The glutamate system in OCD: A combined genetics-imaging approach American Academy of Child and Adolescent Psychiatry (AACAP) Meeting Boston, MA, USA Presenter: **Arnold PD** Part of symposium entitled, "An Update on the Genetics of OCD and Tourette Disorder" (Chair: SE Stewart) [**Arnold PD**, MA Richter, T Sicard, GL Hanna, C Pato, M Pato, DR Rosenberg, JL Kennedy]
- Oct 7-11, 2007 Poster Presenter Glutamate system genes in pediatric obsessive-compulsive disorder: an imaging genetics study using magnetic resonance spectroscopy World Congress of Psychiatric Genetics (WCPG) XV New York, NY, USA
Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Taormina P, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Kennedy JL, Rosenberg DR; 130:396]
- July 21, 2007 Oral Presenter The glutamate transporter gene (SLC1A1) in obsessive-compulsive disorder 14th Annual Obsessive-Compulsive Foundation (OCF) International Conference Spring, TX, USA Presenter: **Arnold PD** Part of symposium entitled "An Update on Genetics Research in OCD: A Reports from Members of the OCF Genetics Collaborative" (Chair: SE Stewart) [**Arnold PD**, Sicard T, Burroughs E, Richter MA, Kennedy JL]
- April 16-17, 2009 Co-Author A role for the serotonin receptor gene 5HTR2A in predicting SRI response in obsessive-compulsive disorder (OCD) Pharmacogenetics in

- Psychiatry Meeting New York, NY, USA Presenter: Zai G [Zai G, Likhodi O, **Arnold PD**, Sicard T, Burroughs E, Kennedy JL, Richter MA]
- June 21, 2007 Oral Presenter Glutamate system genes in pediatric obsessive-compulsive disorder: an imaging genetics study using magnetic resonance spectroscopy 33rd Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Taormina P, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Kennedy JL, Rosenberg DR]
- Dec 6, 2006 Poster Presenter A candidate gene study of thalamic volume in pediatric obsessive-compulsive disorder American College of Neuropsychopharmacology Meeting Hollywood, FL, USA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Taormina P, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Kennedy JL, Rosenberg DR]
- Dec 5, 2006 Co-Author Potential involvement of the dopamine receptor D1 in obsessive-compulsive disorder American College of Neuropsychopharmacology Meeting Hollywood, FL, USA Presenter: Richter MA [Richter MA, **Arnold PD**, Van Adrichem Q, Sicard T, Burroughs EB, Hanna GL, Pato M, Pato C, Kennedy JL; Neuropsychopharmacology 31:S172]
- Nov 13, 2006 Poster Presenter Glutamate system genes and neuroimaging phenotypes in pediatric obsessive-compulsive disorder Canadian Academy of Child and Adolescent Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold P**, Sicard T, Burroughs E, MacMaster F, Mirza Y, Smith J, Banerjee S, Bhandari R, Boyd C, Lynch M, Ivey J, Rose M, Hanna G, Richter M, Kennedy J, Rosenberg DR]
- Nov 10, 2006 Poster Presenter A candidate gene study of the glutamate receptor gene GRIN2A in obsessive-compulsive disorder Canadian Academy of Child and Adolescent Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, Hanna, GL, Pato M, Pato C, Richter MA, Kennedy JL]
- Oct 30, 2006 Oral Presenter Association of a glutamate transporter gene (SLC1A1) with thalamic volume in pediatric OCD World Congress of Psychiatric Genetics Cagliari, Italy Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Taormina SP, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Kennedy JL, Rosenberg DR; American Journal of Medical Genetics (Neuropsychiatric Genetics) 141B:714 (2006)]
- Oct 9-13, 2006 Poster Presenter An association study of a glutamate receptor gene (GRIN2A) in obsessive-compulsive disorder American Society of Human Genetics New Orleans, LA, USA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, Hanna, GL, Pato M, Pato C, Richter MA, Kennedy JL]
- June 15, 2006 Oral Presenter Association of a glutamate transporter gene (SLC1A1) with thalamic volume in pediatric OCD 32nd Annual Harvey Stancer Day Toronto, ON,

CANADA Presenter: **Arnold PD** [**Arnold, PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Taormina SP, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Kennedy JL, Rosenberg DR]

- May 23, 2006 Co-Author The Relationship Between 5HT and Glutamate System Genes and Drug Response in OCD 159th Annual Meeting of the American Psychiatric Association Toronto, ON, CANADA Presenter: Richter MA [Richter MA, Sicard T, Burroughs E, **Arnold PD**, Kennedy JL; Abstract NR577]
- May 22, 2006 Poster Presenter Using symptom subtypes to investigate vulnerability genes in OCD 159th Annual Meeting of the American Psychiatric Association Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, Richter MA, Kennedy JL; Abstract NR6]
- May 20, 2006 Poster Presenter Using symptom subtypes to investigate vulnerability genes in OCD Society of Biological Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, Richter MA, Kennedy JL; Biological Psychiatry 59:202S (2006)]
- May 20, 2006 Co-Author Molecular Genetics of the 5HT1B and DRD1 Receptors in Obsessive Compulsive Disorder Society of Biological Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: Kennedy JL Presented in symposium "5HT1D and Dopaminergic Involvement in OCD" (Chairs: E Hollander & J Zohar) [Kennedy JL, **Arnold PD**, Phillips K, Burroughs D, Van Adrichem Q, Richter MA; Biological Psychiatry 53:199S (2006)]
- May 20, 2006 Co-Author Association Study of the Glutamate Transporter Gene SLC1A1 with Schizophrenia in the Canadian Population Society of Biological Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: Fung WLA [Fung WLA, Martucci L, **Arnold PD**, Kennedy JL; Biological Psychiatry 53:248S (2006)]
- May 19, 2006 Workshop Presenter Using neuroimaging endophenotypes to identify risk genes in pediatric obsessive-compulsive disorder Society of Biological Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: **Arnold PD** Part of workshop, "A Translational Approach to Neural System Abnormalities in Obsessive-Compulsive Disorder: From Structure to Function" (Chair: ML Phillips) [Biological Psychiatry 59:93S (2006)]
- May 18, 2006 Co-Author Pharmacogenetics: Genotyping as a Tool for Predicting Drug Response Society of Biological Psychiatry Annual Meeting Toronto, ON, CANADA Presenter: Richter MA [Richter MA, **Arnold PD**, Sicard T, Burroughs E, Kennedy JL; Biological Psychiatry 59:22S (2006)]
- Mar 24, 2006 Oral Presenter Glutamate genes as risk factors for OCD and OCD symptom subgroups Anxiety Disorders Association of America Annual Meeting Miami, FL, USA Presenter: **Arnold PD** In symposium "Child and Adolescent Anxiety Disorder: Identifying and Addressing Disorder-specific Risks" (Chair: P Wilansky-

- Trainer) [**Arnold PD**, Sicard T, Burroughs E, Mendlowitz SL, Hanna GL, Richter MA, Kennedy JL]
- Mar 24, 2006 Oral Presenter Linking genetics to neuroimaging in pediatric OCD Anxiety Disorders Association of America Annual Meeting Miami, FL, USA Presenter: **Arnold PD** In symposium "Vulnerability and Resilience in Pediatric OCD: The Contribution of Genes and Environment" (Chair: SL Mendlowitz)
- Dec 14, 2005 Co-Author The 5httlpr low versus high activity alleles are associated with high versus low aggressive behaviour, but not suicidality American College of Neuropsychopharmacology Meeting Waikaloa HI, USA Presenter: Kennedy JL [Kennedy JL, **Arnold PD**, DeLuca V, Richter MA, Ehtesham S, Beitchman J; Neuropsychopharmacology 30:S35]
- Dec 11, 2005 Oral Presenter Glutamate transporter gene (SLC1A1) associated with obsessive-compulsive disorder American College of Neuropsychopharmacology Meeting Waikaloa HI, USA Presenter: **Arnold PD** One of 20 "Hot Topics" oral presentations selected [**Arnold PD**, Sicard T, Burroughs E, Richter MA, Kennedy JL; Neuropharmacology 30:S95]
- Oct 18-23, 2005 Poster Presenter NMDA genes and neuroimaging phenotypes in pediatric obsessive-compulsive disorder American Academy of Child and Adolescent Psychiatry (AACAP)/Canadian Academy of Child and Adolescent Psychiatry Joint Annual Meeting Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Smith JM, Banerjee SP, Bhandari R, Boyd C, Lynch M, Ivey J, Rose M, Hanna GL, Richter MA, Kennedy JL, Rosenberg DR; Scientific Proceedings 2005;32:170]
- Oct 17, 2005 Co-Author Serotonin 2A (5HT2A) receptor and obsessive-compulsive disorder World Congress of Psychiatric Genetics Boston, MA, USA Presenter: Sicard T [Sicard T, **Arnold PD**, Burroughs E, Richter MA, Kennedy JL; American Journal of Medical Genetics (Neuropsychiatric Genetics) 138B:46 (2005)]
- Oct 17, 2005 Co-Author Sibling resemblance for clinical features of obsessive-compulsive disorder World Congress of Psychiatric Genetics Boston, MA, USA Presenter: Fanous AH [Fanous AH, Pato MT, Richter MA, Hanna GL, **Arnold PD**, Burroughs E, Himle JA, Van Etten M, Fischer DJ, Kennedy JL, Murphy DL, Pato CN; American Journal of Medical Genetics (Neuropsychiatric Genetics) 138B:44 (2005)]
- Oct 16, 2005 Poster Presenter A candidate gene study of the dopamine receptor D1 (DRD1) in OCD including neuroimaging phenotypes World Congress of Psychiatric Genetics Boston, MA, USA Presenter: Arnold PD [**Arnold PD**, Sicard T, Burroughs E, MacMaster FP, Mirza Y, Smith JM, Banerjee SP, Bhandari R, Boyd C, Lynch M, Ivey J, Rose M, Richter MA, Rosenberg DR, Kennedy JL; American Journal of Medical Genetics (Neuropsychiatric Genetics) 138B:81 (2005)]
- Oct 16, 2005 Poster Presenter Glutamate transporter gene (SLC1A1) associated with obsessive-compulsive disorder World Congress of Psychiatric Genetics Boston,

- MA, USA Presenter: **Arnold PD** "Late-breaking" abstract [Arnold PD, Sicard T, Burroughs E, Richter MA, Kennedy JL]
- June 16, 2005 Poster Presenter An association study of a glutamate receptor gene (GRIN2A) in obsessive-compulsive disorder 31st Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [Arnold, PD, Sicard T, Burroughs E, Hanna GL, Pato M, Richter MA, Kennedy JL]
- April 15-16, 2005 Co-Author Medication response in obsessive-compulsive disorder and the genetics of hepatic enzyme Cyp2C19 metabolism Pharmacogenetics in Psychiatry Meeting New York, NY, USA Presenter: Richter MA [Richter MA, Sicard T, **Arnold PD**, Burroughs E, Kennedy JL]
- Mar 19, 2005 Poster Presenter Glutamate (NMDA) receptor genes in families of children and adults with obsessive-compulsive disorder: Findings in Three Independent Samples Anxiety Disorders Association of America Annual Meeting Seattle, WA, USA Presenter: **Arnold PD** [Arnold PD, Sicard T, Hanna GL, Pato M, Tharmalingam S, Burroughs E, Richter MA, Kennedy JL; Depression and Anxiety 22(4): 193-195 (2005)]
- Mar 19, 2005 Co-Author The impact of family dysfunction on psychosocial functioning in children with obsessive-compulsive disorder Anxiety Disorders Association of America Annual Meeting Seattle, WA, USA Presenter: Dimitropoulos G [Dimitropoulos G, **Arnold PD**, Ram J, Burroughs E, Richter MA, Manassis K]
- Dec 13, 2004 Poster Presenter Serotonin and dopamine candidate genes in OCD symptom subgroups American College of Neuropsychopharmacology San Juan, PUERTO RICO Presenter: **Arnold PD** Travel Award Winner [Arnold PD, Summerfeldt L, Mundo E, Tharmalingam S, McBride J, Kennedy JL, Richter MA; Neuropsychopharmacology 29:S88 (2004)]
- Oct 26-30, 2004 Poster Presenter Association of a novel serotonin transporter polymorphism with obsessive-compulsive disorder based on qualitative and quantitative traits American Society of Human Genetics Toronto, ON, CANADA Presenter: **Arnold PD** [Arnold PD, Hu X, Trakalo J, Richter MA, Goldman D, Kennedy JL; Abstract 2082, p 381]
- Oct 26-30, 2004 Co-Author MAOA gene polymorphisms in obsessive-compulsive disorder: analysis of gender differences American Society of Human Genetics Toronto, ON, CANADA Presenter: Geronimo, JM [Geronimo JM, **Arnold PD**, Lanktree M, Richter MA; Abstract 2199, p 400]
- Oct 26-30, 2004 Co-Author Haplotype analysis of four HTR1B polymorphisms in obsessive-compulsive disorder American Society of Human Genetics Toronto, ON, CANADA Presenter: Sicard TL [Sicard TL, **Arnold PD**, Geronimo JM, Hanna GL, Pato M, Richter MA, Kennedy JL; Abstract 2259, p 410]

- Oct 26-30, 2004 Co-Author Association study of the myelin oligodendrocyte glycoprotein (MOG) gene in obsessive-compulsive disorder and schizophrenia American Society of Human Genetics Toronto, ON, CANADA Presenter: Zai GCM [Zai GCM, King N, **Arnold PD**, Burroughs E, Wong GWH, Honer WG, Barr CL, Richter MA, Kennedy JL]
- Oct 26-30, 2004 Co-Author Medication response in obsessive-compulsive disorder and the genetics of hepatic enzyme CYP2C19 metabolism American Society of Human Genetics Toronto, ON, CANADA Presenter: Richter MA [Richter M, Sicard T, **Arnold PD**, Burroughs E, Kennedy JL; Abstract 2341, p 424]
- Oct 10, 2004 Poster Presenter A family-based association study of novel serotonin polymorphisms in OCD and OCD symptom subgroups World Congress of Psychiatric Genetics Dublin, IRELAND Presenter: **Arnold PD** [**Arnold PD**, Summerfeldt L, Sicard T, Geronimo J, Trakalo J, Zai G, Hu X, Goldman D, Hanna GL, Pato M, Richter MA, Kennedy JL; American Journal of Medical Genetics (Neuropsychiatric Genetics) 130B:69 (2004)]
- Oct 9-13, 2004 Co-Author Association study of the G72 and D-Amino-Acid Oxidase genes in schizophrenia World Congress of Psychiatric Genetics Dublin, IRELAND Presenter: Shinkai, T [Shinkai T, De Luca V, Lanktree M, Hwang R, Zai G, Sicard T, Shaikh S, Wong G, Wong AHC, **Arnold PD**, Potapova N, King N, Trakalo J, Muller D, Nakamura J, Kennedy JL, Macciardi F; American Journal of Medical Genetics (Neuropsychiatric Genetics) 122B:135 (2004)]
- June 17, 2004 Oral Presenter Symmetry/ordering symptoms in OCD: a candidate gene study 30th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold, PD**, Summerfeldt L, Mundo E, Tharmalingam S, McBride J, Kennedy JL, Richter MA]
- Mar 11-14, 2004 Poster Presenter Serotonin and dopamine candidate genes in OCD symptom subgroups Anxiety Disorders Association of America Annual Meeting, Miami, FL, USA Presenter: **Arnold PD** [**Arnold PD**, Summerfeldt L, Mundo E, Tharmalingam S, McBride J, Kennedy JL, Richter MA]
- Nov 14, 2003 Poster Presenter OCD symptom subgroups: Investigation of Candidate Genes 6th International Obsessive-Compulsive Disorder Conference Lanzarote, SPAIN Presenter: **Arnold PD** [**Arnold PD**, Summerfeldt L, Mundo E, Tharmalingam S, McBride J, Kennedy JL, Richter MA]
- November 14, 2003 Co-Author Is the myelin oligodendrocyte glycoprotein associated with early-onset OCD? 6th International Obsessive-Compulsive Disorder Conference Lanzarote, SPAIN Presenter: Richter MA [Richter MA, Pato MT, Zai G, Hanna GL, **Arnold PD**, Burroughs E, Kennedy JL]
- Oct 7, 2003 Oral Presenter Investigation of serotonin and glutamate genes in OCD symptom subgroups World Congress of Psychiatric Genetics, Quebec City, QC, CANADA

- Presenter: **Arnold PD** [**Arnold PD**, Summerfeldt L, Mundo E, Tharmalingam S, McBride J, Kennedy JL, Richter MA; American Journal of Medical Genetics (Neuropsychiatric Genetics) 122B:42 (2003)]
- Oct 7, 2003 Co-Author The myelin oligodendrocyte glycoprotein (MOG) and tumor necrosis factor alpha (TNF- α) genes in obsessive-compulsive disorder World Congress of Psychiatric Genetics, Quebec City, QC, CANADA Presenter: Zai G [Zai G, King N, Wigg K, Burroughs E, **Arnold PD**, Barr CL, Richter P, Kennedy JL; American Journal of Medical Genetics (Neuropsychiatric Genetics) 122B:114 (2003)]
- June 19, 2003 Oral Presenter Gene-gene interaction in obsessive-compulsive disorder: a preliminary investigation 29th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold, PD**, Richter MA, Mundo E, Tharmalingam S, McBride J, Kennedy JL]
- May 19, 2003 Oral Presenter ADHD and OCD: Cognitive Characteristics 156th Annual Meeting of the American Psychiatric Association San Francisco, CA, USA Presenter: Arnold PD In symposium "OCD Spectrum Illnesses: What Does It Mean?" (Chair: MT Pato) [**Arnold PD**, Schachar RJ, Chen S, Ickowicz A]
- May 19, 2003 Co-Author A Preliminary Investigation of the Genetic Basis of Grooming Disorder 156th Annual Meeting of the American Psychiatric Association San Francisco, CA, USA Presenter: **Arnold PD** In symposium "OCD Spectrum Illnesses: What Does It Mean?" (Chair: MT Pato) [Richter MA, Arnold PD, Mundo E, Sam F, Kennedy JL]
- May 15, 2003 Poster Presenter Investigation of a Glutamate Receptor Gene in OCD and Analysis of Gene- gene Interaction Society of Biological Psychiatry Annual Meeting San Francisco, CA, USA Presenter: **Arnold PD** [**Arnold PD**, Richter MA, Muglia P, Mundo E, Tharmalingam S, Rosenberg DR, Kennedy JL; Biological Psychiatry 53:87S (2003)]
- May 1, 2003 Poster Presenter Analysis of gene-gene interaction in obsessive-compulsive disorder Institute of Medical Sciences Scientific Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold, PD**, Richter MA, Mundo E, McBride J, Kennedy JL]
- Mar 29, 2003 Oral Presenter Are Children with OCD Different from Adults? 23rd Annual Conference of the Anxiety Disorders Association of America, 223R Toronto, ON, CANADA Presenter: **Arnold PD** Presentation in symposium "Psychological and Medical Interventions for Childhood OCD" (Chairs: **PD Arnold**, S Mendlowitz)
- Mar 28, 2003 Oral Presenter Current Status of Genetic Studies of OCD 23rd Annual Conference of the Anxiety Disorders Association of America, 223R Toronto, ON, CANADA Presenter: **Arnold PD** Presentation in symposium "Understanding the Etiology of OCD: The Challenge of Integrating Multiple Theoretical Perspectives" (Chair: MA Richter)

- Dec 7-12, 2002 Co-Author Investigation of Serotonin-Glutamate Epistasis in OCD American College of Neuropsychopharmacology Annual Meeting, W-55 San Juan, PUERTO RICO Presenter: Richter MA [Richter MA, **Arnold PD**, Mundo E, Rosenberg DR, Kennedy JL]
- Oct 25, 2002 Poster Presenter Are NMDA genes linked to early onset obsessive-compulsive disorder? American Academy of Child and Adolescent Psychiatry (AACAP) Scientific Proceedings San Francisco, CA, USA Presenter: **Arnold PD** [**Arnold PD**, Mundo E, Richter MA, Tharmalingam S, McBride J, Kennedy JL]
- Oct 9, 2002 Poster Presenter Investigation of NMDA receptor polymorphisms in OCD using quantitative and qualitative traits World Congress on Psychiatric Genetics Brussels, Belgium Presenter: **Arnold PD** [**Arnold PD**, Richter MA, Mundo E, Tharmalingam S, McBride J, Kennedy JL; American Journal of Medical Genetics (Neuropsychiatric Genetics 114(7): 834 (2002)]
- June 25, 2002 Poster Presenter Quantitative and qualitative traits in obsessive-compulsive disorder: Association with a glutamate receptor gene CINP (Collegium Internationale Neuropsychopharmacologicum) Congress Montreal, QC, CANADA Presenter: **Arnold PD** [**Arnold PD**, Richter MA, Mundo E, McBride J, Kennedy JL; International J Neuropsychopharmacology 5(S1): S116 (2002)]
- June 20, 2002 Oral Presenter Positive Association of a Glutamate (NMDA) Receptor Gene with Obsessive- Compulsive Disorder 28th Annual Harvey Stancer Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Mundo E, McBride J, Kennedy JL, Richter MA]
- May 20, 2002 Oral Presenter Association of a glutamate (NMDA) receptor polymorphism with obsessive- compulsive disorder American Psychiatric Association Annual Meeting, Philadelphia, PA, USA Presenter: **Arnold PD** One of the 36 top rated new research presentations, Selected for Young Investigators' Slide Session [**Arnold PD**, Richter MA, Mundo E, McBride J, Kennedy JL]
- May 15, 2002 Poster Presenter Positive Association of a Glutamate (NMDA) Receptor Gene with Obsessive- Compulsive Disorder Institute of Medical Sciences Scientific Day Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold PD**, Mundo E, McBride J, Kennedy JL, Richter MA]
- Mar 21-24, 2002 Poster Presenter, Sudden versus gradual onset obsessive-compulsive disorder in adults and children Anxiety Disorders Association of America Austin, Texas, USA Presenter: **Arnold PD** [**Arnold PD**, Manassis K, Barr K, Katzman D, Richter MA]
- Mar 21-24, 2002 Poster Presenter Defining age of onset for OCD studies Anxiety Disorders Association of America Austin, Texas, USA Presenter: Velyvis, VP [Velyvis VP, **Arnold PD**, McBride JC, Richter MA]
- June 21, 2001 Oral Presenter Clinical features of sudden versus gradual onset obsessive-compulsive disorder in childhood: a case series 27th Annual Harvey Stancer Day

Toronto, ON, CANADA Presenter: **Arnold PD** [**Arnold, PD**, Manassis K, Barr K, Katzman D, Richter MA]

Nov 18, 2001

Poster Presenter Clinical features of sudden versus gradual onset obsessive-compulsive disorder in childhood: A case series Canadian Academy of Child and Adolescent Psychiatry Annual Meeting Montreal, QC, CANADA Presenter: **Arnold PD** Recipient of award for Best Poster by a Resident [**Arnold PD**, Manassis K, Barr K, Katzman D, Richter MA; Canadian Child Psychiatry Review 11(2): 3 (2002)]

Oct 1996

Poster Presenter, Velo-cardio-facial syndrome (VCF): Implications for psychiatric genetics American Academy of Child and Adolescent Psychiatry (AACAP), Philadelphia, PA, USA Presenter: **Arnold PD** [**Arnold, PD**, Siegel-Bartelt J, Cytrynbaum

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