

I. **BIOGRAPHICAL DATA**

**Name:** David Lindenbach

**Address:** 2266 Woodpark Ave SW, Calgary, AB, T2W 2Z8

**Telephone:** Cell (403) 830-7371

**Primary Affiliation**

**Title:** Senior Research Scientist

**Program:** Pathways to Prevention: A Centre for Childhood Trauma

**Agency:** Hull Services

**Additional Affiliation**

**Present rank:** Adjunct Assistant Professor

**Department:** Psychiatry

**Faculty:** Medicine

**Institution:** University of Calgary

II. **ACADEMIC RECORD**

**Final degree:** Doctor of Philosophy

**Date completed:** 2015

**Specialty:** Behavioral Neuroscience

**Institution/City/Country:**

State University of New York at Binghamton, Binghamton, NY, USA

**i. Undergraduate:**

Bachelor of Arts in Sociology, Willamette University, 2004 – 2008

**ii. Graduate and post-doctoral:**

Master of Science in Psychology, State University of New York at Binghamton, Binghamton, NY, USA, 2009 – 2011

Doctor of Philosophy in Behavioral Neuroscience, State University of New York at Binghamton, Binghamton, NY, USA, 2011 – 2015

Postdoctoral Fellow, Department of Psychiatry, University of British Columbia, Vancouver, BC, Canada, 2015 – 2018

### III. AWARDS AND DISTINCTIONS

2022 – 2023	Evolve to Innovate Trainee Award, Innovate Calgary (\$10,000; top 10%)
2017	2 <sup>nd</sup> Place, Djavad Mowafaghian Centre for Brain Health Annual Poster Competition, University of British Columbia, Vancouver, BC, Canada
2016	2 <sup>nd</sup> place, Frontiers in Neurophotonics Research Competition, Quebec City, QC, Canada
2016	2 <sup>nd</sup> Place, Department of Psychiatry Research Day Poster Competition – Basic Science Category, University of British Columbia, Vancouver, BC, Canada
2014	Conference Travel Award, Movement Disorders Society, Stockholm, Sweden
2013 – 2014	Graduate Research Scholarship, Center for Development and Behavioral Neuroscience, Binghamton University
2013	Graduate Student Award for Excellence in Research, The Graduate School, Binghamton University
2009 – 2014	Full Tuition Scholarship and Stipend, The Graduate School, Binghamton University
2006 – 2008	Dean’s List, Willamette University
2004 – 2008	Merit Scholarship, Willamette University

### IV. ACADEMIC APPOINTMENTS

2023 – Present	Adjunct Assistant Professor of Psychiatry, University of Calgary
2018 – 2023	Research Associate, University of Calgary
2015 – 2018	Postdoctoral Fellow, University of British Columbia
2009 – 2015	Graduate Student, State University of New York at Binghamton

### V. EDUCATIONAL ACTIVITIES

#### **i. Undergraduate Teaching**

2013	General Psychology Laboratory (Psyc 112). Lab Instructor
2012	Research Methods Laboratory (Psyc 344). Lab Instructor
2012	Physiological Psychology (Psyc 362). Instructor of Record
2011	Physiological Psychology (Psyc 362). Teacher’s Assistant
2011	Learning Laboratory (Psyc 357). Lab Instructor
2010	Cognition Laboratory (Psyc 359). Lab Instructor
2009	General Psychology Laboratory (Psyc 112). Lab Instructor

#### **Mentoring**

2024	BSW Practicum Supervisor for Sydnee Bennett
2024	BSW Practicum Supervisor for Farhat Mohammadi
2023	BSW Practicum Supervisor for Jamie Major
2022	BSW Practicum Supervisor for Bryan Chung

2009 – Present Supervised total of 45 students in research projects spanning the disciplines of neurology, psychiatry and social work. Research topics include behavioural pharmacology, molecular biology, pharmacotherapy, psychotherapy, child maltreatment and child welfare.

2016 – 2018 Served as a mentor for the Undergraduate Research Organization at the University of British Columbia and judged undergraduate research competitions.

**ii. Graduate (course and student supervision)**

2014 Tutor for graduate-level statistics (special appointment)

2012 Tutor for graduate-level statistics (special appointment)

**iii. Postgraduate (research and clinical fellows)**

2017 – 2018 Co-organizer, Neurodegenerative Diseases Journal Club, University of British Columbia

**VI. ADMINISTRATIVE RESPONSIBILITIES**

**i. Departmental**

2013 – 2014 Psychology Department Mobilizer, Graduate Student Employee's Union, Communication Workers of America, Local 1104

**ii. University**

2019 – 2021 Council Representative (Alternate), Alberta Union of Provincial Employees, Local 52

2012 – 2014 Psychology Department Senator, Graduate Student Organization, State University of New York at Binghamton

**iii. National**

2024 – Current Advisory Committee Member, Practice and Policy Analysis, Canadian Consortium on Child & Youth Trauma

**VII. PROFESSIONAL ACTIVITIES**

**i. Membership in professional and learned societies**

2024 – Present Member, Alberta Children's Hospital Research Institute

2023 – Present Associate Member, Mathison Centre for Mental Health Research & Education

2023 – Present Associate Member, Hotchkiss Brain Institute

2018 – 2019 Member, Canadian Association for Neuroscience

2014 – 2015 Member, Movement Disorders Society

2010 – 2016 Member, Society for Neuroscience

2008 – 2009 Member, Cognitive Neuroscience Society

**Journal reviews (official pool)**

2023 – Present Journal of Aggression, Maltreatment and Trauma

**Journal reviews (ad hoc invitations)**

2024 PLoS One  
2024 Child & Youth Care Forum  
2024 Frontiers in Psychiatry  
2024 Frontiers in Child and Adolescent Psychiatry  
2024 Child Maltreatment  
2024 Journal of Aggression, Maltreatment & Trauma (2x review assignments)  
2023 Journal of Child Sexual Abuse  
2023 Clinical Psychology & Psychotherapy  
2023 Frontiers in Psychiatry  
2023 Scientific Reports  
2023 Psychiatry Research (3x review assignments)  
2023 International Journal of Population Data Science  
2022 Journal of the Canadian Academy of Child and Adolescent Psychiatry  
2022 Naunyn-Schmiedeberg's Archives of Pharmacology  
2021 Child Maltreatment  
2021 Nutrients  
2021 Child & Youth Services Review  
2021 Computers in Human Behavior Reports  
2020 British Journal of Pharmacology  
2019 Parkinson & Related Disorders  
2019 Aging and Disease  
2018 Neuroscience  
2018 Chinese Journal of Physiology  
2017 Behavioural Brain Research  
2016 Synapse  
2015 Life Sciences  
2014 Neuropsychiatric Disease and Treatment

**Government agencies**

2018 – 2019 Representative for the Mathison Centre for Mental Health Research & Education, Calgary Board of Education Trauma-informed Practice Team

**Community service (volunteer)**

2022 – Present Board of Directors (Director of Grant Writing), Scenic Acres Community Association, Calgary, Canada  
2019 – 2021 Data Analyst for Non-Profit Organizations, Data for Good – Calgary Chapter  
2012 – 2015 Researcher and Mobilizer, Citizen's Action of New York – Greater Binghamton Chapter  
2009 – 2015 School Outreach Coordinator, Brain Awareness, The Dana Foundation

**VIII. RESEARCH SUPPORT**

2024 – 2025 Principal Investigator. "Gathering youth perspectives to optimize therapeutic recreation." *Burns Memorial Fund for Children: Community Grant*. \$15,000.

- 2024 – 2026 Nominated Principal Applicant. “Applying Indigenous ways of being, knowing and doing to a talk therapy program for Indigenous youth, families and communities in Alberta.” *Alberta Children’s Hospital Research Institute: One Child Every Child Seedling Award*. \$50,000.
- 2024 – 2026 Primary Organization Supervisor. “Enhancing behavioural and mental health services for youth impacted by developmental trauma by strengthening caregiver and provider networks.” *Mitacs Accelerate*. \$30,000.
- 2024 – 2025 Project Holder. “A beginner-level pump track to support trauma-informed sports for vulnerable youth.” *Parks Foundation Calgary: Amateur Sport Grant*. \$50,000.
- 2024 – 2025 Project Holder. “Preventing and mitigating developmental trauma through a transdisciplinary community-university partnership.” *University of Calgary: Transdisciplinary Scholarship Connector Grant*. \$17,000.
- 2023 – 2024 Co-applicant. “Capturing the youth voice to inform outcomes for child and youth advocacy centres.” *Canadian Consortium on Child & Youth Trauma: Seed Grant*. \$25,000.
- 2023 – 2024 Co-applicant. “LEAPS-IYS: Learning to Equitably Adapt Peer Support for Integrated Youth Services.” *Canadian Institutes of Health Research: Catalyst Grant*. \$199,960.
- 2022 – 2026 Co-applicant. “TransitionED: Co-designing and implementing Canadian Practice Guidelines for transitions for youth and young adults with eating disorders.” *Canadian Institutes of Health Research Team Grant: Transitions in Care*. \$960,000.
- 2022 – 2023 Co-investigator. “Optimizing school-based mental health interventions for Calgary students.” *City of Calgary: Mental Health and Addiction Investment Framework*. \$471,525.
- 2020 – 2027 Co-investigator. “Canadian Consortium on Child & Youth Trauma – Consortium Canadien sur le trauma chez les enfants” *Social Science and Humanities Research Council: Partnership Grant*. \$2,500,000.
- 2020 – 2021 Co-investigator. “Enhancing resilience among vulnerable youth through online delivery of a brief, evidence-based psychotherapy.” *Government of Alberta: Mental Health and Addiction COVID-19 Community Funding Grant*. \$48,000.
- 2020 – 2021 Co-investigator. “A brief, online psychotherapy intervention to support UC students during the pandemic.” *University of Calgary: COVID-19 Giving Day Funding Opportunity*. \$10,000.
- 2015 Co-investigator. “Treatment of Parkinson’s disease using intranasal delivery via electro-spray atomization.” *Binghamton University*:

*Transdisciplinary Areas of Excellence Seed Grant. \$15,000 USD.*

2015 Co-investigator. "D-512, a novel multifunctional D2/D3 receptor agonist for the treatment of Parkinson's disease." *Michael J. Fox Foundation: Rapid Response Innovation Award. \$75,000 USD.*

## IX. INVITED ADDRESSES

2024 "Experiences of Child Advocacy Centre Staff Recognizing and Responding to Online Child Sexual Exploitation." Invited address for *Practice and Research Together*. Virtual event.

2024 "Use of the Unified Protocol with children in a therapeutic group home." Invited presentation for *Voices of Community Collaboration in Youth Mental Health*. Grand Prairie, Canada.

2022 "Implementing a transdiagnostic cognitive behavioural therapy in a group home for high needs youth impacted by child maltreatment." Invited presentation for *Canadian Pediatric Society* conference entitled *Canadian Symposium on Advanced Practices in Child Maltreatment*. Calgary, Canada.

2020 "Implementation of the Unified Protocol in community settings in Calgary." Guest lecture for *Child and Adolescent Counselling (EDPS 685)* at University of Calgary. Calgary, Canada.

2019 "Capacity of Alberta professionals to recognize and respond to child sexual exploitation." Invited presentation for *Protecting Children in the Digital Age* conference. Calgary, Canada.

## X. PUBLICATIONS/PRESENTATIONS

### i. Peer-reviewed manuscripts

1. Fitts, A., Binford, W., **Lindenbach, D.** & Dimitropoulos, G. *Under Revision*. Confidence, training and barriers for Canadian law enforcement in cases of luring, sexual abuse and child sex abuse imagery. *International Journal of Child Maltreatment*.
2. **Lindenbach, D.**, Anderson, A., Wang, E., Heintz, M., Rowbotham, M., Ehrenreich-May, J., Arnold, P.D. & Dimitropoulos, G. (2024). Feasibility and acceptability of implementing a transdiagnostic cognitive behavioral therapy for children impacted by trauma within a residential treatment facility. *Child & Youth Services*, 1-26.
3. Dimitropoulos, G., **Lindenbach, D.**, Potestio, M., Mogan, T., Richardson, A., Anderson, A., Heintz, M., Moskovic, K., Gondziola, J., Bradley, J., La Monica, H., Iorfino, F., Hickie, I.B., Patten, S.B. & Arnold, P.D. (2024). Using a rapid learning health System for stratified care in emerging adult mental health services: Protocol for the implementation of patient-reported outcome measures. *JMIR Research Protocols*, 13.
4. Dimitropoulos, G., **Lindenbach, D.**, Anderson, A., Rowbotham, M., Wang, E., Heintz, M., Ehrenreich-May, J. & Arnold, P.D. (2023). A qualitative study on the implementation of a

transdiagnostic cognitive behavioral therapy for children in a child welfare residential treatment program. *Child Abuse & Neglect*, 146, 106487.

5. Dimitropoulos, G., **Lindenbach, D.**, Rowbotham, M., Devoe, D.J., Richardson, A., Mogan, T., Patten, S.B., Ehrenreich-May, J. & Arnold, P.D. (2023). Feasibility and acceptability of a brief, online transdiagnostic psychotherapy for young adults. *Journal of the Canadian Academy of Child & Adolescent Psychiatry*. 32(2): 111-125.
6. **Lindenbach, D.**, Vacca, G., Ahn, S., Seamans, J.K. & Phillips, A.G. (2022). Optogenetic modulation of glutamatergic afferents from the ventral subiculum to the nucleus accumbens: Effects on dopamine function, response vigor and locomotor activity. *Behavioural Brain Research* 434, 114028.
7. Dimitropoulos, G.\*, **Lindenbach, D.\***, Devoe, D.J., Gunn, E., Cullen, O., Bhattarai, A., Kuntz, J., Binford, W. & Arnold, P.D. (2022). Experiences of Canadian mental health providers in identifying and responding to online and in-person sexual abuse and exploitation of their child and adolescent clients. *Child Abuse & Neglect* 124, 105448.  
\*co-first authors
8. **Lindenbach, D.**, Dimitropoulos, G., Bhattarai, A., Cullen, O., Perry, R, Arnold, P.D. & Patten, S.B. (2022). Confidence, training and challenges for Canadian child advocacy center staff when working with cases of online and in-person child sexual exploitation. *Journal of Child Sexual Abuse* 31, 297-315.
9. **Lindenbach, D.**, Cullen, O., Bhattarai, A., Perry, R., Diaz, R.L., Patten, S.B. & Dimitropoulos, G. (2021). Capacity, confidence and training of Canadian educators and school staff to recognize and respond to sexual abuse and internet exploitation of their students. *Child Abuse & Neglect* 112, 104898.
10. **Lindenbach, D.**, Seamans, J.K. & Phillips, A.G. (2019). Activation of the ventral subiculum reinvigorates behavior after failure to achieve a goal: implications for the dopaminergic modulation of motivational processes. *Behavioural Brain Research* 356, 266-270.
11. Ferland, J-M.N., Hynes, T.J., Hounjet, C.D., **Lindenbach, D.**, Vonder Haar, C., Adams, W.K., Phillips, A.G. & Winstanley, C.A. (2019). Prior exposure to salient win-paired cues in a rat gambling task increases the sensitivity to cocaine self-administration and suppresses dopamine efflux in nucleus accumbens: support for the reward deficiency hypothesis of addiction. *Journal of Neuroscience* 39, 1842-1854.
12. **Lindenbach, D.**, Das, B., Conti, M.M., Meadows, S.M., Dutta, A.K. & Bishop, C. (2017). D-512, a novel dopamine D2 / D3 receptor agonist, demonstrates superior anti-parkinsonian efficacy over ropinirole in Parkinsonian rats. *British Journal of Pharmacology* 174, 3058-3071.
13. **Lindenbach, D.**, Conti, M.M., Ostock, C.Y., George, J.A., Goldenberg, A.A., Melikhov-Sosin, M., Nuss, E.N. & Bishop, C. (2016). The role of primary motor cortex (M1) glutamate and GABA signaling in L-DOPA-induced dyskinesia in Parkinsonian rats. *Journal of Neuroscience* 36, 9873-9887.
14. Conti, M.M., Meadows, S., Melikhov-Sosin, M., **Lindenbach, D.**, Hallmark, J., Werner, D.F. & Bishop, C. (2016). Monoamine transporter contributions to L-DOPA effects in hemi-

parkinsonian rats. *Neuropharmacology* 110:125-134.

15. Conti, M.M., Goldenberg, A.A., Kuberka, A., Mohamed, M., Eisa, S., **Lindenbach, D.**, & Bishop, C. (2016). Effect of tricyclic antidepressants on L-DOPA-induced dyskinesia and motor improvement in hemi-Parkinsonian rats. *Pharmacology, Biochemistry and Behavior* 142, 64-71.
16. **Lindenbach, D.**, Conti, M.M., Ostock, C.Y., Dupre, K.B. & Bishop, C. (2015). Alterations in primary motor cortex neurotransmission and gene expression in a rat model of Parkinson's disease and drug-induced dyskinesia. *Neuroscience* 310, 12-26.
17. Bhide, N., **Lindenbach, D.**, Barnum, C.J., George, J.A., Surrena, M.A. & Bishop, C. (2015). Effects of the beta-adrenergic receptor antagonist Propranolol on dyskinesia and L-DOPA-induced striatal DA efflux in the hemi-parkinsonian rat. *Journal of Neurochemistry* 134, 222-232.
18. **Lindenbach, D.**, Palumbo, N., Ostock, C.Y., Vilceus, N., Conti, M.M. & Bishop, C. (2015). Side-effect profile of serotonergic treatments for Parkinson's disease and L-DOPA-induced dyskinesia in rats. *British Journal of Pharmacology* 172, 119-130.
19. Ostock, C.Y., **Lindenbach, D.**, Goldenberg, A.A., Kampton, E. & Bishop, C. (2014). Effects of noradrenergic denervation by anti-DBH-saporin on behavioral responsiveness to L-DOPA in the hemi-parkinsonian rat. *Behavioral Brain Research* 270, 75-85.
20. Conti, M.C., Ostock, C.Y., **Lindenbach, D.**, Goldenberg, A.A., Kampton, E., Dell'isola, R., Katzman, A. & Bishop, C. (2014). Effects of prolonged selective serotonin reuptake inhibition on the development and expression of L-DOPA-induced dyskinesia in hemi-parkinsonian rats. *Neuropharmacology* 77, 1-8.
21. **Lindenbach, D.** & Bishop, C. (2013). Critical involvement of the motor cortex in the pathophysiology and treatment of Parkinson's disease. *Neuroscience and Biobehavioral Reviews* 37, 2737-2750.
22. **Lindenbach, D.**, Dupre, K.B., Eskow Jaunarajs, K.L., Ostock, C.Y., Goldenberg, A.A. & Bishop, C. (2013). Effects of 5-HT<sub>1A</sub> receptor stimulation on striatal and cortical M1 pERK induction by L-DOPA and a D1 receptor agonist in a rat model of Parkinson's disease. *Brain Research* 1537, 327-339.
23. Bhide, N., **Lindenbach, D.**, Surrena, M.A., Goldenberg, A.A., Bishop, C., Berger, S.P. & Paquette, M.A. (2013). The effects of BMY-14802 against L-DOPA and DA agonist-induced dyskinesia in the hemiparkinsonian rat. *Psychopharmacology* 227, 533-544.
24. Barnum, C.J., Bhide, N., **Lindenbach, D.**, Surrena, M.A., Goldenberg, A.A., Tignor, S., Klioueva, A., Walters, H. & Bishop, C. (2012). Effects of noradrenergic denervation on L-DOPA-induced dyskinesia and its treatment by  $\alpha$ - and  $\beta$ -adrenergic receptor antagonists in hemiparkinsonian rats. *Pharmacology Biochemistry and Behavior* 100, 607-615.
25. **Lindenbach, D.**, Ostock, C.Y., Eskow Jaunarajs, K.L., Dupre, K.B., Barnum, C.J., Bhide, N. & Bishop, C. (2011). Behavioral and cellular modulation of L-DOPA-induced dyskinesia by  $\beta$ -adrenoceptor blockade in the 6-hydroxydopamine-lesioned rat. *Journal of Pharmacology and Experimental Therapeutics* 337, 355-365.

## ii. Non-peer Reviewed Publications

1. Arnold, P.D., Dimitropoulos, G., **Lindenbach, D.**, Zwicker, J., & Greer, K. (2023). Recommendations for a comprehensive youth mental health strategy for Alberta. *Alberta 2023: Health System Challenges and Opportunities*.  
<https://obrieniph.ucalgary.ca/sites/default/files/teams/1/Recommendations-for-a-Comprehensive-Youth-Mental-Health-Strategy-in-Alberta.pdf>
2. **Co-author.** (2022). Push 2 Heal: Pilot Project. Final evaluative report.  
<https://hullservices.ca/skateboard-research/>

## iii. Books, chapter:

1. Gruen, R., **Lindenbach, D.**, Ehrenreich-May, J., Arnold, P. & Dimitropoulos, G. (2023). A trauma-informed approach to the Unified Protocol for Children with exposure to child maltreatment. In Shenk, C. (Ed.). *Innovative Methods in Child Maltreatment Research and Practice*. Springer. 199-225.

## iv. Abstracts

### Conference Presentations Delivered

1. **Lindenbach, D.** (2023). *Research Symposium*. Brief transdiagnostic cognitive behavioural therapy in a specialized school setting. *Alberta Research Network*. Edmonton, Canada.
2. Dimitropoulos, G., Arnold, P.D., Wang, E., **Lindenbach, D.** *Research Symposium*. (2023). Brief transdiagnostic cognitive behavioural therapies across age ranges and settings. *Canadian Academy of Child and Adolescent Psychiatry*. Calgary, Canada.
3. **Lindenbach, D.**, Anderson A., Rowbotham, M., Heintz, M., Ehrenreich-May, J., Wang, E., Arnold, P.D., Dimitropoulos, G. (2023). Implementing a transdiagnostic cognitive behavioural therapy in a group home for children with trauma exposure and child welfare involvement. *Sebastian K. Littman Research Day*. Calgary, Canada.
4. Dimitropoulos, G., Wang, E., **Lindenbach, D.**, Malouf, M., Pippus, J. (2022). Improving community health and mental health supports for youth exposed to child maltreatment. *Canadian Consortium on Child & Youth Trauma*. Montreal, Canada.
5. Thannhauser, J., **Lindenbach, D.**, Devoe, D. (2021). Partnering for change: an evidence-based program to enhance students' psychological coping. *Collaborations for Change*. Calgary, Canada.
6. **Lindenbach, D.**, Cullen, O., & Dimitropoulos, G. (2020). Child sexual abuse materials: service provider experiences across Alberta. *International Federation of Social Workers*. Calgary, Canada.
7. **Lindenbach, D.**, Perry, R., Cullen, O., Bhattarai, A., Diaz, R.L., Patten, S.B., & Dimitropoulos, G. (2020). Capacity of Alberta healthcare providers to recognize and respond to sexual abuse and internet exploitation of their patients. *Sebastian K. Littman Research Day*. Calgary, Canada.

## First-author Posters at International Conferences

1. **Lindenbach, D.**, Phillips, A.G., & Seamans, J.K. (2018). Glutamatergic modulation of dopaminergic activity in the nucleus accumbens can enhance or inhibit motivation as a function of recent failure or success. *Canadian Association for Neuroscience*, Vancouver, Canada.
2. **Lindenbach, D.**, Vacca, G., Haratikia, A., Seamans, J.K. & Phillips, A.G. (2016). Modulation of nucleus accumbens dopamine efflux and reward-seeking behaviour in rats following electrical and optogenetic stimulation of the afferent glutamate projection from the ventral subiculum. *Society for Neuroscience*, San Diego, USA.
3. **Lindenbach, D.**, Meadows, S., Avnor Y., Nuss E., Melikhov-Sosin, M., Gross, L., Vilceus, N., Schuman, N., Das B., Dutta, A.K. & Bishop, C. (2015). D-512, a novel dopamine D2 / D3 receptor agonist, demonstrates superior anti-parkinsonian efficacy over ropinirole in parkinsonian rats. *Society for Neuroscience*, Chicago, USA.
4. **Lindenbach, D.** & Bishop, C. (2014). Modulating dopamine and glutamate signaling in the primary motor cortex alters the motor symptoms of Parkinson's disease and L-DOPA-induced dyskinesia in rats. *Society for Neuroscience*, Washington DC, USA.
5. **Lindenbach, D.**, Palumbo, N., Ostock, C.Y., Vilceus, N., Conti, M.M. & Bishop, C. (2014). Side effect profile of serotonergic treatments for Parkinson's disease and L-DOPA-induced dyskinesia in hemi-parkinsonian rats. *Movement Disorders Society*, Stockholm, Sweden.
6. **Lindenbach, D.**, Goldenberg A., Ostock, C., Conti, M. & Bishop, C. (2013). Modulation of primary motor cortex neurotransmitter signaling by dopamine lesion and L-DOPA therapy using a rat model of Parkinson's disease. *Society for Neuroscience*, San Diego, USA.
7. **Lindenbach, D.**, Dupre, K.B. & Bishop, C. (2012). L-dopa-induced changes in motor cortex gene expression in a rat model of Parkinson's disease. *Society for Neuroscience*, New Orleans, USA.
8. **Lindenbach, D.**, Eskow Jaunarajs, K.L. & Bishop, C. (2011). Effects of 5-HT<sub>1A</sub> receptor stimulation on L-DOPA-induced striatal pERK in a rat model of Parkinson's disease. *Society for Neuroscience*, Washington DC, USA.
9. **Lindenbach, D.**, Ostock, C.Y., Eskow Jaunarajs, K.L., Button T., Dupre, K.B. & Bishop, C. (2010). Effects of  $\beta$ -adrenergic receptor blockade on L-DOPA-induced dyskinesia: A role for the striatum. *Society for Neuroscience*, San Diego, USA.
10. **Lindenbach, D.**, Stevens, C., Currin, J., Bell T. & Neville, H. (2009). Genetic polymorphisms affecting dopaminergic activity predict blink rate in young children. *Cognitive Neuroscience Society*, San Francisco, USA.