

Paraprofessional, Colorado College**June 1994-June 1995**

Department of Psychology, Colorado Springs, CO.

Duties: designing and implementing course laboratory exercises for department professors, substitute lecturing, supervising department animal colony workers

Honors

- Bob Pizzi Faculty Advisor of the Year Award 2024
- Patricia Rodier Mid-Career Award for Teaching and Mentoring 2023
- Delta Gamma Faculty of the Year Award 2020
- Bob Pizzi Faculty Advisor of the Year Award 2007
- Project Kaleidoscope Faculty for the 21st Century, Class of 2007
- Neurobehavioral Teratology Society New Investigator Award 2005
- Teresa Heinz Scholar for Environmental Research 2001-2002
- U.S. Environmental Protection Agency STAR Graduate Fellow 1998-2001
- Cornell University Gertrude Spencer Prize in writing 2001
- Cornell University Sage Fellow 1996-2000
- Alpha Lambda Delta Graduate Fellow 1996-97
- First Place Winner: Psi Chi /Allyn & Bacon National Psychology Paper Competition 1995
- Boettcher Scholar 1990-94
- Colorado College Dean's List 1990-94
- Faculty for Undergraduate Neuroscience Student Travel Award 1994
- William Arthur Blakely Award in Psychology, Colorado College 1993

Professional Memberships

- **The Society for Neuroscience**, 1996-present
- **Faculty for Undergraduate Neuroscience**, 2003-present
- **American Association for the Advancement of Science**, 1993-2014; 2017-present
- **Neurobehavioral Teratology Society**, 2005-present
 - President, 2014-2015
 - President Elect, 2013-2014
 - Secretary, 2008-2012; 2020-2022
 - Council, 2023-present
 - Publications Committee, 2012-2015; 2018-2022
 - Nominations Committee, 2015-2018
 - Awards Committee, 2007-2008
- **Editorial Board, *Neurotoxicology and Teratology***, 2011-2016; 2018-present
- **Association for Women In Science**, 2001-2013

- Graduate Fellowship Selection Committee, 2003-2010
- **Project Kaleidoscope**, 2007-present
- **American Psychological Association**, 1993-95
- **Psi Chi National Honor Society**, inducted 1992
- **Phi Beta Kappa National Honor Society**, inducted 1994
- **Blue Key National Honor Fraternity**, inducted 1992
- **Alpha Lambda Delta National Honor Fraternity**, inducted 1991

Publications (*denotes undergraduate student author)

Driscoll, L. L. (2020). When siblings matter: Commentary on Golub and Sobin's 'Statistical modeling of litter as a random effect in mixed models to manage "intralitter likeness"'. *Neurotoxicology and Teratology*. doi: 10.1016/j.ntt.2019.106851

*Barker, S., & **Driscoll, L. L.** (2019). Effects of *B. infantis* on the Maternal Restraint Model of Depression. *IMPULSE*, 16, 1-12.

Jacobs, B., *Garcia, M .E., *Shea-Shumsky, N. B., *Tennison, M .E., Schall, M., Saviano, M. S., *Tummino, T. A., Bull, A. J., **Driscoll, L .L.**, Raghanti, M. A., Lewandowski, A. H., Wicinski, B., Chui, H. K., Bertelsen, M. F. Walsh, T., Bhagwandin, A., Spocter, M. A., Hof, P. R., Sherwood, C. C., & Manger, P. R. (2018). Comparative morphology of gigantopyramidal neurons in primary motor cortex across mammals. *Journal of Comparative Neurology*, 526, 496-536. doi: 10.1002/cne.24349

Driscoll, L. L. (2018). Cognitive function. In C. A. McQueen (Ed.), *Comprehensive Toxicology* (3rd Ed.), 6, 376–392. Oxford: Elsevier Ltd.

Dounay, A. B.⁺, **Driscoll, L. L.**⁺, *Blessing, P., *Comfort, H., & *Mares, J. (2017). Agony and ecstasy: Party drug or breakthrough treatment for PTSD?. *National Center for Case Study Teaching in Science*.
+ These authors contributed equally to the work

Bushnell, P. J. & **Driscoll, L. L.** (2015). Cognitive function. In M. Caplan, *Reference Module in Biomedical Sciences*. Elsevier. ISBN 9780128012383. doi: <http://dx.doi.org/10.1016/B978-0-12-801238-3.02206-6>

Driscoll, L. L. & Strupp, B.J. (2015). Assessment of attention and inhibitory control in rodent developmental neurotoxicity studies. *Neurotoxicology and Teratology*, 52, 78-87.

*Mann, C. L., Footer, O., Chung, Y. S., **Driscoll, L. L.**, & Barch, D. M. (2013). Spared and impaired aspects of motivated cognitive control in schizophrenia. *Journal of Abnormal Psychology*, 122, 745-755. doi: 10.1037/a0033069

Driscoll, L. L., *Kaplan, J., *Bucuvalas, E., *Allen, H., *Kraut, J., & *Fitzpatrick, J. (2012). Acute postnatal exposure to the pentaBDE commercial mixture DE-71 at doses of 5 or 15 mg/kg/day does not produce learning or attention deficits in rats. *Neurotoxicology and Teratology*, 34, 20-26.

- Driscoll, L. L., *Gibson, A. M., & *Hieb, A. (2009).** Chronic postnatal DE-71 exposure: Effects on learning, attention and thyroxine levels. *Neurotoxicology and Teratology, 31*, 76-84.
- Moon, J., *Ota, K. T., **Driscoll, L. L.**, Levitsky, D. A., & Strupp, B. J. (2008). A mouse model of Fragile X syndrome exhibits heightened arousal and/or emotion following errors or reversal of contingencies. *Developmental Psychobiology, 50*, 473-485.
- Moon, J., Beaudin, A. E., *Verosky, S., **Driscoll, L. L.**, Weiskopf, M., Levitsky, D. A., Crnic, L. S., & Strupp, B. J. (2006). Attentional dysfunction, impulsivity, and resistance to change in a mouse model of Fragile X Syndrome. *Behavioral Neuroscience, 120*, 1367-1379.
- *Dufault, C., *Poles, G., & **Driscoll, L. L.** (2005). Brief postnatal PBDE exposure alters learning and the cholinergic modulation of attention in rats. *Toxicological Sciences, 88*, 172-180.
- Driscoll, L. L., *Carroll, J. C., Moon, J., Crnic, L. S., Levitsky, D. A., & Strupp, B. J. (2004).** Impaired sustained attention and error-induced stereotypy in the aged Ts65Dn mouse, a mouse model of Down syndrome and Alzheimer disease. *Behavioral Neuroscience, 118*, 1196-1205.
- Morgan, R. E., Garavan, H., Smith, E. G., **Driscoll, L. L.**, Levitsky, D. A., & Strupp, B. J. (2001). Early lead exposure produces lasting changes in sustained attention, response initiation, and reactivity to errors. *Neurotoxicology and Teratology, 23*, 519-531.
- Jacobs, B., Schall, M., *Prather, M., *Kapler, E., ***Driscoll, L. L.**, *Baca, S., Jacobs, J., Ford, K., *Wainwright, M., & *Trembl, M. (2001). Regional dendritic and spine variation in human cerebral cortex: A quantitative Golgi study. *Cerebral Cortex, 11*, 558-571.
- Jacobs, B., ***Driscoll, L. L.**, & Schall, M. (1997). Lifespan dendritic and spine changes in areas 10 and 18 of human cortex: A quantitative Golgi study. *Journal of Comparative Neurology, 386*, 661-680. [313 citations](#)
- Jacobs, B., & ***Larsen, L.** (1996). Pluripotentiality, epigenesis, and language acquisition. *Behavioral and Brain Sciences, 19*, 639.
- ***Larsen, L.**, & Jacobs, B. (1995). Quantitative dendritic and spine analyses of human prefrontal and occipital cortices: A preliminary study. *Drexel University Journal of Undergraduate Research in Biology, 1*, 14-20.

Poster Presentations

- Driscoll, L. L., *O'Leary, E., *Vierling, T., *Sui, T., & *Grant, E. (2022, November).** Maternal separation effects on gut microbiota and behavior, and impact of short-chain fatty acid supplementation. Program No. 307.20. *2022 Neuroscience Meeting Planner*. Chicago, IL: Society for Neuroscience, 2022. Online.
- Driscoll, L. L., *Anton, P. E., *Teigen, K., *Schulman, Z., *Scharf, U., Venkateswaran, N., & Tomhave, M. (2018, November).** *Bifidobacterium infantis* 35624 supplementation in eubiotic adolescent rats increases social interaction independent of vagal nerve signaling. Program No. 228.07. *2018 Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience, 2018. Online.

- Driscoll, L. L., *Tummino, T., *Harris, W., *Cooke, S., & *Lach, R.** (2016, November). Gender differences in adolescent probiotic influence on anxiety. Program No. 730.14. *2016 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L., *Watts, J., *Kasemodel, R., *Tummino, T., *Harris, W., *Cooke, S., & *Lach, R.** (2015, November). Developmental exposure to PBDE flame retardants induces hypothyroidism and impacts hedonic tone in adult rats. Program No. 616.05. *2015 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L., *Beckett, E., *Boese, J., *Watts, J., *Kasemodel, R., & *Sperry, J.** (2014, November). Hedonic reward and incentive salience in rats exposed postnatally to the polybrominated diphenyl ether commercial mixture DE-71. Program No. 656.16. *2014 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L. & Beckett, E.** (2014, June). Sucrose preference and progressive ratio performance in rats exposed postnatally to the polybrominated diphenyl ether commercial mixture DE-71. *Neurotoxicology and Teratology*, *43*, 96.
- Driscoll, L. L., *Haran, J., *Lieb, M., & *Zeidler, Z.** (2011, November). Testing the hypothyroidism hypothesis of the neurotoxic effects of polybrominated diphenyl ethers in early postnatal development. Program No. 100.13. *2011 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L., *Franco, M., *Rhoads, A., & *Seay, M.** (2010, November). Levothyroxine supplementation to attenuate neurobehavioral effects of exposure to polybrominated diphenyl ethers in rats. Program No. 509.15. *2010 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L.** (2010, June). Acute postnatal exposure to the pentaBDE commercial mixture DE-71 at low doses (5 or 15 mg/kg/day) does not produce learning or attention deficits in rats. *Neurotoxicology and Teratology*, *32*, 507.
- Kaplan, J.*, Kraut, J.*, Fitzpatrick, J.*, **Driscoll, L. L.** (2008, November). Determining the critical postnatal exposure level of the brominated flame retardant DE-71 required to induce learning and attention deficits. Program No. 278.21. *2008 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L., *Gibson, A. G., *Hieb, A., *Cheteni, F., *Kraut, J., *Kaplan, J., & *Fitzpatrick, J.** (2007, November). Dose-dependent effects of chronic postnatal exposure to the flame retardant DE-71 on serum thyroxine (T4) levels and sustained attention. Program No. 209.18. *2007 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L., *Gibson, A., & *Cheteni, F.** (2006, June). Chronic postnatal DE-71 exposure: Suppression of serum thyroxine (T4), but no effects on learning, attention, or cholinergic challenge. *Neurotoxicology and Teratology*, *28*, 419-420.
- *Dufault, C., *Poles, G., & **Driscoll, L. L.** (2005, November). Early postnatal exposure to polybrominated diphenyl ethers alters the cholinergic modulation of attention. Program No. 644.10. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.

- *Dufault, C., *Poles, G., & **Driscoll, L. L.** (2005, June). Early postnatal exposure to DE-71 produces lasting effects on learning in a visual discrimination task. *Neurotoxicology and Teratology*, *27*, 381.
- Strupp, B. J., Moon, J., Beaudin, S., Verosky, S., **Driscoll, L. L.**, Crnic, L. S., & Levitsky, D. A. (2005, June). Assessment of selective attention and error reactivity in *fmr1* knockout (KO) mice: A mouse model of Fragile X syndrome (FXS). *Neurotoxicology and Teratology*, *27*, 369-370.
- Beaudin, A. E., Moon, J., **Driscoll, L. L.**, Levitsky, D. A., Crnic, L. S., & Strupp, B. J. (2004, November). Assessment of sustained attention in the *fmr1* knockout mouse, an animal model of fragile X syndrome. Program No. 239.19. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L.**, Carroll, J. C., Moon, J., Crnic, L. S., & Strupp, B. J. (2003, November). Sustained attention deficits and error-induced stereotypy in aged Ts65Dn mice: a mouse model of Down syndrome and Alzheimer disease. Program No. 646.14. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Moon, J., **Driscoll, L. L.**, Crnic, L. S., & Strupp, B. J. (2003, November). Assessment of selective attention and error reactivity in aged Ts65Dn mice: a mouse model of Down syndrome (DS) and Alzheimer disease (AD). Program No. 114.21. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L.**, Srakhao, V., Demarchena, J. & Strupp, B. J. (2002, November). Early lead exposure decreases sensitivity to the effects of tacrine on selective and sustained attention. Program No. 286.9. *2002 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Driscoll, L. L.** & Strupp, B. J. (2001, June). Lead exposure alters the GABAergic modulation of attention, motivation, and response proclivity, but the pattern of effects differs according to exposure regimen. *Neurotoxicology and Teratology*, *23*, 294.
- Mihalick, S. M., **Driscoll, L. L.**, & Strupp, B. J. (2001). Development of a cognitive assessment battery for mice. *Neurotoxicology and Teratology*, *23*, 296.
- Driscoll, L. L.** & Strupp, B. J. (2000, November). Chlordiazepoxide improves sustained attention: modulation by low-level lead exposure. *Society of Neuroscience Abstracts*, *26*, 2225.
- Driscoll, L. L.** & Strupp, B. J. (1999, November). Lead exposure produces subsensitivity to the motor but not the mnemonic effects of MK-801. *Soc. Neurosci. Abs.* *25(1)*: 634.
- Driscoll, L. L.**, Gardner, S. A., Beaudin, S., & Strupp, B. J. (1999, June). Enduring effects of early lead exposure in a vigilance task: Contribution of cholinergic alterations. *Neurotoxicology and Teratology*, *21*, 331.
- Strupp, B. J., **Driscoll, L. L.**, Beaudin, S., Hermer-Vazquez, L., Morgan, R. E., & Garavan, H. (1999, June). Early lead (Pb) exposure: The emerging cognitive profile. *Neurotoxicology and Teratology*, *21*, 323.
- Driscoll, L. L.**, Wu, J. J., Zurich, K. J., & Strupp, B. J. (1999, March). Chronic lead exposure alters explicit memory function. *Toxicological Sciences*, *48*, 360.

- Driscoll, L. L.**, Gilbert, M. E., & Strupp, B. J. (1998, June). Cholinergic and noradrenergic modulation of long-term explicit memory are altered by chronic low-level lead exposure. *Neurotoxicology and Teratology*, *20*, 363.
- Driscoll, L. L.**, Gilbert, M. E., & Strupp, B. J. (1997, November). Lead-exposed rats are more sensitive than controls to the effect of scopolamine on long-term explicit memory. *Society For Neuroscience Abstracts*, *23*, 215.
- Snow, R. L., Nelson, A., **Driscoll, L. L.**, Hartman, K. L., Silveira, L. C. L., & Finlay, B. L. (1997, November). Scaling of the visual system, photoreceptors to extrastriate cortex, emphasizing primates. *Society For Neuroscience Abstracts*, *23*, 1308.
- *Prather, M., *Trembl, M., ***Driscoll, L. L.**, Schall, M., & Jacobs, B. (1997, November). Regional variation in dendritic and spine complexity: A quantitative Golgi analysis of human cerebral cortex. *Society For Neuroscience Abstracts*, *23*, 209.
- *Baca, S., ***Larsen, L.**, *Fisher, B., *Kernan, B., Schall, M., & Jacobs, B. (1995, November). Dendritic and spine analyses across hierarchically arranged areas of human neocortex: A quantitative Golgi study. *Society For Neuroscience Abstracts*, *21*, 251.
- *Ferguson, J., *Driscoll, J., *Courns, K., *Rattenbury, K., *Baca, S., ***Larsen, L.**, & Jacobs, B. (1995, November). An overview of the Colorado College Elementary School Outreach Program for Neuroscience Education. *Society For Neuroscience Abstracts*, *21*, 445.
- ***Larsen, L.**, *Swanson, R. L., *Wainwright, M. W., & Jacobs, B. (1994, November). Quantitative dendritic and spine analyses of human prefrontal and occipital cortices. *Society For Neuroscience Abstracts*, *20*, 1431.
- ***Larsen, L.** & Weir, C. (1994, May). Musical and mathematical interval comparisons. Midwestern Psychological Association 66th annual meeting, Chicago, IL.
- *Colorado College students

Lectures, invited talks, and conference presentations (excluding posters)

- Driscoll, L. L.** (2024, June). Maternal-Fetal-Gut Microbiome Axis: How the Maternal Gut Microbiome Affects Development of the Fetus. Sixty-fourth annual meeting of the Society for Birth Defects Research and Prevention, Pittsburgh, PA.
- Driscoll, L. L.** (2024, February). The Microbiome-Gut-Brain Axis, Cognition, and Mental Health. Osher Lifelong Learning Institute (Zoom course), Washington, D.C.
- Driscoll, L. L.** (2023, June). Interactions between early postnatal experience, gut microbiota, and adult neurobehavior in a rodent model. Fifty-second annual meeting of the Developmental Neurotoxicology Society, Charleston, SC.
- Driscoll, L. L.** (2022, February). Talk umami to me: The neuroscience of taste and smell. CC Admissions mock class.

- Driscoll, L. L.** (2022, January). Perception: How our brain distorts our world. Educating Children of Color Summit, Colorado Springs, CO.
- Driscoll, L. L.** (2021, June). Early life adversity: Effects on the caecal microbiome and long-term memory, and effects of intervention with short-chain fatty acid supplementation in rats. Fiftieth annual meeting of the Developmental Neurotoxicology Society, online.
- Driscoll, L. L.** (2019, July). Why your child's brain needs science. Whiz Bang Science, Colorado College, Colorado Springs, CO.
- Driscoll, L. L.** (2019, June). The gut-brain axis: a primer. Forty-eighth annual meeting of the Developmental Neurotoxicology Society, San Diego, CA.
- Driscoll, L. L.** (2016, April). Gutsy contributions to well-being: An exploration of gut probiotic influences on development of mental health through neural signaling. Biotechnology Seminar Series, University of Colorado-Colorado Springs, Colorado Springs, CO.
- Driscoll, L. L.** (2015, June). Cognitive and motivational impacts of developmental PBDE exposure in rats. Forty-fourth annual meeting of the Neurobehavioral Teratology Society, Montreal, QC, Canada.
- Driscoll, L. L.** (2015, May). Early postnatal exposure to flame retardant polybrominated diphenyl ethers (PBDEs) impacts learning and motivation in rats. Reproductive Sciences Seminar Series, University of Colorado School of Medicine, Denver, CO.
- Driscoll, L. L., & Strupp, B. J.** (2013, July). Assessment of attention and inhibitory control in rodent studies. Forty-second annual meeting of the Neurobehavioral Teratology Society, Tucson, AZ.
- Driscoll, L. L.** (2012, May). Graduate study and careers in academia. Morgan County Education/Workforce Consortium: Career Exploration Presenters. Brush High School, Brush, CO.
- Driscoll, L. L.** (2011, April). Bridging the chasm between neural and behavioral effects of polybrominated diphenyl ethers (PBDEs). Psychology Colloquium, University of Colorado, Colorado Springs.
- Driscoll, L. L.** (2008, June). Low-dose postnatal DE-71 exposure affects learning but not attention in rats. Thirty-second annual meeting of the Neurobehavioral Teratology Society, Monterey, CA.
- Driscoll, L. L., & *Kraut, J.** (2008, March). Neuroscience: Understanding brain function and dysfunction. Invited talk for National Brain Awareness Week at Penrose-St. Francis Hospital, Colorado Springs, CO.
- Driscoll, L. L.** (2007, June). Neural effects of polybrominated diphenyl ethers (PBDEs): Links to behavioral effects and parallels with PCB exposure. Behavioral Toxicology Society Symposium, Pittsburgh, PA.
- Driscoll, L. L.** (2007, February). Early postnatal exposure to the flame retardant polybrominated diphenyl ether (PBDE) alters the cholinergic modulation of attention. Biopsychology Seminar, Regis University, Denver, CO.

- Driscoll, L. L.** (2006, April). Fire resistant but neurotoxic: Effects of the bioaccumulative flame retardant PBDE on brain development and function. Psychology Colloquium, University of Colorado, Colorado Springs.
- Driscoll, L. L.,** Moon, J-S., Carroll, J., Strawderman, M., Crnic, L. S., & Strupp, B. J. (2005, June). Impaired sustained attention and error-induced stereotypy in the aged Ts65Dn mouse: A mouse model of Down syndrome (DS) and Alzheimer's disease. Annual meeting of the Neurobehavioral Teratology Society, St. Pete Beach, FL.
- Jacobs, B. J., Kuerbis, P., & **Driscoll, L. L.** (2003, August). How we learn. Invited panel discussion, The Colorado College Board of Trustees Retreat, Monterey Bay, CA.
- Driscoll, L. L.** (2002, October). Animal models of human cognitive disorders. Animal Behavior and Ethology Club, Cornell University, Ithaca, NY.
- Driscoll, L. L.** (2000, March). GABAergic modulation of sustained attention is altered by lead exposure. Psychology colloquium, Cornell University, Ithaca, NY.
- Driscoll, L. L.** (1998, February). Enhanced cognitive performance in a rodent model of lead neurotoxicity: involvement of the cholinergic system and possible compensatory systems. Psychology colloquium, Cornell University, Ithaca, NY.
- Driscoll, L. L.** (1997, May). Developmental lead exposure increases sensitivity to the effects of scopolamine on explicit memory. Psychology colloquium, Cornell University, Ithaca, NY.
- ***Larsen, L.,** *Swanson, R. L., *Wainwright, M. L., & Jacobs, B. (1995, April). Quantitative dendritic and spine analyses of human prefrontal and occipital cortices. Colorado-Wyoming Academy of Science, Colorado Springs, CO.
- *Hedge, B., *Langer, S., & ***Larsen, L.** (1994, May). What price beauty: Discrimination in the pricing of products and services by gender. Southern Colorado Undergraduate Psychology Symposium, Colorado Springs, CO.
- ***Larsen, L.** & Weir, C. (1993, May). Musical and mathematical interval comparisons. Southern Colorado Undergraduate Psychology Symposium, Colorado Springs, CO.

Campus Talks and Presentations

- Driscoll, L. L.** (2022 and 2021, August). What students wish they had known before they know it. New Student Orientation.
- Driscoll, L. L.** (2022, February). Talk umami to me: The Neuroscience of Taste and Smell. Boettcher finalist/parent mock class.
- Driscoll, L. L.** (2021, July). Perception and the brain. Stroud Critical Inquiry seminar.
- Driscoll, L. L.** (2021, April). Talk umami to me: Taste and Smell. Boettcher finalist mock class.

- Driscoll, L. L.** (2020, August). Alcohol and marijuana. Fall Conference.
- Driscoll, L. L.** (2019, August). What I wish I knew part two: Marijuana and stimulants. New student orientation.
- Driscoll, L. L.** (2019, February). Talk umami to me: The neuroscience of taste and smell. Boettcher scholar finalist weekend, parent seminar.
- Driscoll, L. L.** (2018, March). Prescription medications and the brain. Science of Substances series.
- Driscoll, L. L.** (2017, February). Science of prescription medications. Wellness Resource Center presentation.
- Driscoll, L. L.** (2015, April). Cannabis: Body and mind. CC Wellness Week presentation, sponsored by Active Minds.
- Driscoll, L. L.** (2015, April). The amazing brain. Monte Vista High School outreach visit to Colorado College.
- Driscoll, L. L.** (2014, December). Off label: The pharmacology of prescription drug abuse. Campus seminar.
- Driscoll, L. L.** (2013, November). The neurophysiology of marijuana. Special lecture.
- *Beckett, E., & **Driscoll, L. L.** (2013, October). Effects of developmental PBDE exposure on cognitive motivation and dopamine. Venture Grant Form.
- Driscoll, L. L.,** Tynan, D., & Blasenheim, P. (2013, August). Discussion Strategies in CC Classrooms. Crown Center Workshop: Defining and Practicing "Engaged Teaching and Learning".
- Driscoll, L. L.** (2012, January). The psychopharmacology of cannabis: The down low on the high. Campus seminar.
- Driscoll, L. L.** (2010, December). Bridging the chasm between neural and behavioral effects of polybrominated diphenyl ethers (PBDEs). Natural Sciences Colloquium.
- Driscoll, L. L.** (2010, February). It's about the journey! What brought me to Colorado College...and why I came back. Colorado College Boettcher Scholarship Finalist Retreat.
- Driscoll, L. L.** (2010, February). Lead (Pb) exposure: Routes, health effects, and treatments. Presentation/workshop for the International Service Trip members before their trip to La Oroya, Peru.
- Driscoll, L. L.** (2008, August). What I wish I had known before I went to college - or at least before I went out on Saturday nights. New Student Orientation.
- Driscoll, L. L.** (2007, December). Going home for the holidays. First Generation Club.
- Driscoll, L. L.,** *Reinsvold, M., & *Golden, M. (2007, October). Creating a campus of academic responsibility and integrity. Crown Faculty Center Luncheon.
- Driscoll, L. L.,** & Bennett, L. (2007, September). Understanding our students: The impact of their generational identity on life inside and outside the classroom. Fall Conference.

Driscoll, L. L. (2006, June). Laboratory of Behavioral Neurotoxicology: Research Overview. Natural Science Summer Research Community.

Driscoll, L. L. (2006, April). Utilizing time in content-intensive courses: Neuroscience as an example. Crown Faculty Center Luncheon.

Driscoll, L. L. (2006, March). Scripting language for lab experiments. Faculty Instructional Technology Showcase.

Driscoll, L. L. (2006, February). Finding your voice in class. First Generation Club.

Driscoll, L. L., *Dufault, C., & *Poles, G. (2005, February). Developmental PBDE exposure alters the cholinergic modulation of visual attention. Psychology Department Faculty Seminar.

Jacobs, B. J., & **Driscoll, L. L.** (2004, November). Design Parameters of Neuroscience 299: Experimenting with a large group, 2-block format. Crown Faculty Center Luncheon.

Other professional activity

- Editorial Board: *Neurotoxicology and Teratology* 2011-2016; 2018-present
- National Institutes of Health study section: Human Complex Mental Functions 2021
- Reviewer: Department of Defense SMART Scholarship 2014-2018
- Reviewer: Environmental Protection Agency (“internal” reviewer for EPA scientist manuscripts)
- Faculty for Undergraduate Neuroscience mentor to Dr. Wambura Fobbs, 2022-present
- Journal reviewer:
 - The Journal of Neuroscience*
 - PLOS One*
 - Environmental Health Perspectives*
 - Pharmacology Biochemistry and Behavior*
 - Frontiers in Behavioral Neuroscience*
 - Toxicological Sciences*
 - Neurotoxicology*
 - Neurotoxicology and Teratology (specialization in ESL manuscript assistance)*
 - Current Research in Toxicology*
 - Journal of Toxicology*
 - Toxicology Letters*
 - Psi Chi Journal of Undergraduate Research*

*Note: I average 5-6 article reviews per year.

Campus Service

Faculty mentor: Flavia Sancier-Barbosa, Mathematics and Computer Science; Amy Dounay, Chemistry and Biochemistry; and Amanda Bowman, Chemistry and Biochemistry

Faculty advisor:

- 2013-present Bridge Program academic advisor
- 2004-present Colorado College Neuroscience Club
- 2005-2008 Colorado College Honor Council
- 2004-2007 Psi Chi National Honor Society in Psychology, Colorado College Chapter
- 2004-2005 Colorado College Equestrian Society

Classroom observations for tenure/promotion files: Cory Scott (2023), Adam Light (2023), Marcela Fernandez-Peters (2023),

Colorado College non-advisor committee work and service:

- Mental Health and Wellness Task Force, 2023
- Stroud Scholar Program faculty, 2020 and 2022
- Chair of Personnel Subcommittee, Faculty Executive Committee, 2019-2020
- Co-Chair (with Provost Alan Townsend) of STEM@CC science visioning task force, 2019-2021
- Institutional Animal Care and Use Committee, 2015-present (Chair 2018-2023)
- Health Professions Advising Committee, 2017-2022 (Chair 2019-2022)
- Tashjian-Crecelius Family Prize for Women in Science, 2015-present (Chair, 2018-present)
- Tenure Appeals Board, 2020-2023
- Chair of hiring committee for Ryan Maloney, Psychology, 2022-2023
- Chair of hiring committee for Marcela Fernandez-Peters, Psychology, 2020-2021
- Hiring committee for Nicki Coomer, Education, 2020-2021
- Hiring committee for Provost Alan Townsend, 2017-2018
- Hiring committee for Emily Pope, Geology, 2017-2018
- Campus phone system upgrade team, 2016-17
- Summer Collaborative Research (SCoRe) steering committee, 2016
- Graduation-Retention task force, 2015-16
- Chair of Faculty Executive Committee, 2015-16
- Chair of Governance Subcommittee, Faculty Executive Committee, 2014-15
- Strategic Plan Implementation Team - Library Renovation/Programming, 2013-2015
- Chair of hiring committee for Kevin Holmes, Psychology, 2013-14
- Chair of Psychology, 2011-2014
- Natural Sciences Executive Committee, 2008-2011
- Chair of Natural Sciences Executive Committee, 2009-2010
- Faculty Leadership Seminar, 2011-2012
- Boettcher Scholar Steering Committee, 2010-present
- New Student Orientation Faculty Panel, 2007, 2008, 2009, 2011, 2012
- Third-year review committee for Tina Valtierra, Education, 2016-17
- Hiring committee for Steve Getty, Director of the Quantitative Reasoning Center, Spring 2013
- Hiring committee for Director of Campus Safety, Spring 2012
- International Service Trip consultant, Spring 2011
- Hiring committee for Habiba Vaghoo, Chemistry and Biochemistry, Fall 2010
- Tashjian Crecelius Prize selection panel, 2010-present
- Chair of hiring committee for Mark Saviano, Technical/Statistical Director, Department of Psychology, Summer 2008
- Chair of dual-position hiring committee for ATS Director and ATS Natural Sciences Specialist, Spring 2008
- Hiring committee for the Assistant Director of the Center For Service and Learning, Spring 2008
- Hiring Committee for Nancy Huang, Biology, Fall 2007
- Dean's *ad hoc* working group to restructure the Health Professions Advisor system at Colorado College, 2007
- Search Committee for Residential Life Coordinators (3), Spring 2006

- Service Awards Selection Committee, Spring 2006
- Institutional Review Board, 2004-2005
- Search Committee for Emily Chan, Psychology, Spring 2004

Senior Thesis students

- 2023-2024 **Viozzi, Matthew** Inulin and psyllium supplementation attenuate the effects of early-life adversity on memory and serum BDNF levels
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2023-2024 **Higgins, Jack** Mitigating Postoperative Cognitive Dysfunction (POCD): Pharmacodynamic and Clinical Interventions
- 2022-2023 **Sui, Tongyan** Early-life adversity: effects on the gut microbiome, anxiety, and memory, and mitigation with inulin supplementation.
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2022-2023 **Lin, Anne-Claire** (IDM major in Contemplative Neuroscience) The neuroscience and practice of mindfulness meditation.
- 2022-2023 **Grant, Ethan** The extracellular matrix and neurodegenerative diseases.
- 2022-2023 **Gessner, Soren** The contribution of prion proteins to the pathophysiology of Alzheimer's disease.
- 2022-2023 **Santibanez, Emmily** Racial and socioeconomic equity in accessibility to neuroimaging diagnostic technologies in the United States.
- 2021-2022 **Vierling, Tia** Effects of maternal neglect on gut microbiota, memory, and hippocampal volume, and mitigation through short-chain fatty acid supplementation.
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2021-2022 **O'Leary, Emma** Effects of maternal neglect on gut microbiota, anxiety, and depressive behavior, and mitigation through short-chain fatty acid supplementation.
- Received Figge-Bourquin Summer Research Award to fund summer stipend
- 2021-2022 **Ross, Madeleine** The role of hypothalamic primary neuronal cilia in obesity.
- 2021-2022 **Olsen, Paul** Multimodal integration in the cortical face network.
- 2021-2022 **Blinkhorn, Caitlin** Exploiting receptor-mediated transcytosis to deliver biotherapeutics to the brain.
- 2020-2021 **Moeller, Carlton** Time perception changes during open monitoring but not focused attention meditation: A result of attentional scope dilation.
- Received Faculty-Student Collaborative Grant to fund summer stipend
 - Publication: Moeller, C. (2021). Time perception changes during open monitoring but not focused attention meditation: A result of attentional scope dilation. *IMPULSE*, 18, 1-12.

- 2020-2021 **Ellis, Martrice** The effects of linguistic and cultural code-switching on cognition. (IDM Neuroanthropology, co-mentor Krista Fish)
- 2020-2021 **Perry, Thomas** I feel you: Affective empathy and its neural underpinnings.
- 2020-2021 **Pantalone, Grace** Possessed by PANDAS: How a common childhood infection can cause extreme psychiatric symptoms.
- 2020-2021 **Wilsey, Brett** Second language acquisition: Optimizing affect, learning context and social relations for effective communication.
- 2019-20 **Chen, Sixuan (Irene)** Postnatal short chain fatty acid supplementation to mitigate behavioral effects of maternal separation in rats.
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2019-20 **Siddiqui, Noah** Effects of early postnatal butyrate, propionate, and acetate supplementation on serum cortisol, inflammatory factors, and hedonic tone in rats.
- 2019-20 **Fang, Eric** Rescue of locomotor and social function by short chain fatty acid supplementation in maternally separated rats.
- 2019-20 **Turner, Mitch** Bioavailability of methamphetamine and $\Delta 9$ -tetrahydrocannabinol (THC) in lobster and crayfish, and effects on nociception and locomotion.
- 2018-19 **Riffenburgh-Kirby, Bryce** Making sense of the world: The role of the schema in facilitating mnemonic and perceptual processing.
- 2018-19 **Scharf, Uma** *Bifidobacterium infantis* 35624 buffers medial amygdala activity in male rats.
- 2018-19 **Schulman, Zac** Oral supplementation of the probiotic *Bifidobacterium infantis* increases resilience to social stress in adolescent male, but not female, rats.
- 2018-19 **Tomhave, Megan** *Bifidobacterium infantis* supplementation in adolescent eubiotic rats influences social preference, but not sucrose preference, following social defeat.
- 2018-19 **Venkateswaran, Nisha** *Bifidobacterium infantis* 35624 supplementation in eubiotic adolescent rats promotes social preference and reduces anxious behaviors.
- 2017-18 **Anton, Paige** Effects of *Bifidobacterium infantis* 35624 supplementation on state and trait anxiety in adolescent rats: Dependence on vagal nerve signaling.
- Received Figge-Bourquin Award to fund summer stipend
- 2017-18 **Teigen, Katelin** Improvement in prosocial behaviors due to probiotic supplementation does not require the vagus nerve.
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2017-18 **Backer, Sarah** Cross-generational effects of *Bifidobacterium infantis* 35624 on depressive behaviors in offspring of chronically stressed rats.

- Received Venture Grant to fund supplies
- 2015-16 **Cooke, Spencer** Gut microbiome influences brain monoamine levels in a region-specific manner.
- Received President's Funds and Sabine Funds for GCMS reagents
 - Received Venture Grant to fund travel to Society for Neuroscience conference
- 2015-16 **Harris, William** Subdiaphragmatic vagotomy in juvenile rats reveals role of gut probiotics on neuropsychiatric development.
- Received Faculty-Student Collaborative Grant to fund summer stipend
- 2015-16 **Lach, Ryan** Neuroendocrine effects of a probiotic bacterium in a rat model.
- Received Venture Grant to fund ELISA kit and reagents
- 2015-16 **Tummino, Tia** Exploring the microbiota gut-brain axis: Effects of probiotics on behavior.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2014-15 **Watts, Jordyn** Lasting changes in GABAergic function in DE-71-exposed rats.
- 2014-14 **Kasemodel, Robert** Ethanol preference is enhanced in rats exposed to developmental PBDEs.
- 2014-15 **Bernstein, Nicholas** The expression and role of calcium binding proteins NECAB1, NECAB2, and NECAB3 in embryonic brain development.
- 2013-14 **Beckett, Ellen** Early postnatal PBDE exposure, cognitive motivation, and midbrain dopaminergic neurons.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2013-14 **Boese, Julia** Attentional set-shifting and forebrain cholinergic neuron number in rats exposed to polybrominated diphenyl ethers (PBDEs) during lactation.
- Received Faculty-Student Collaborative Venture Grant to fund summer research and supplies
- 2013-14 **Sawyer, Abby** Prenatal stress and FGF-2 treatment impact hippocampal GABAergic cell number, open field behavior, and anxiety in the elevated plus maze.
- 2012-13 **Kelly, Diane** Effects of early postnatal PBDE exposure on the development of social interaction in rats, and attenuation by levothyroxine supplementation.
- 2012-13 **Kleiman, Alexis** Relearning ability in adulthood in the Morris Water Maze is impaired in rats exposed postnatally to polybrominated diphenyl ethers (PBDEs).
- Received Faculty-Student Collaborative Venture Grant to fund summer research and supplies
- 2012-13 **McGuire, Flynn** Exposure to the flame retardant mixture DE-71 impacts basal forebrain cholinergic neuron number: an immunohistochemical and stereological investigation.

- 2012-13 **Twombly, Rebecca** Prefrontal cortex as a target of disruption for postnatal exposure to polybrominated diphenyl ethers (PBDEs).
- 2011-12 **Haran, Jamie** Thyroid hormone supplementation to rescue rats from effects of developmental PBDE exposure on spatial memory.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2011-12 **Lieb, Megan** Effects of early postnatal PBDE exposure on visual learning and thyroid hormone homeostasis.
- Received Faculty-Student Collaborative Venture Grant to fund summer research and supplies
 - Received Venture Grant to fund travel to Society for Neuroscience conference
- 2011-12 **Mann, Claire** Motivation and reward deficits in patients with schizophrenia.
- 2011-12 **Arias, Juan** Distribution of caffeine across brain regions in the rat.
- Received Venture Grant to fund travel and expenses for data collection in Columbia.
- 2011-12 **Ward, Emma** Open vs. closed adoption and development of self concept and self esteem.
- 2011-12 **Zeidler, Zach** Effects of developmental PBDE exposure on attention: The role of toxin-induced hypothyroidism
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2010-11 **Franco, Matt** Exploring the thyroid-disrupting effects of developmental exposure to polybrominated diphenyl ethers on reference memory in rats.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2010-11 **Rhoades, Alison** Levothyroxine supplementation to attenuate the effects of exposure to polybrominated diphenyl ethers on sustained attention in rats.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2010-11 **Seay, Maggie** The behavioral effects of acute postnatal exposure to DE-71 in rats: Effects on a five-point visual discrimination.
- Received Venture Grant to fund travel to Society for Neuroscience conference
- 2009-10 **Honsbruch, Paige** Genetic and neurological determinants of psychopathy.
- 2009-10 **Kreisler, Alison** - Hippocampal $\alpha 7$ Nicotinic acetylcholine receptors are downregulated in prenatally stressed adult rats.
- 2009-10 **Leonard, Michael** - Treatment of aggressive behavior in children with autism spectrum disorder.
- 2009-10 **Snyder, Aaron** - Relative communicative value of semantic, prosodic, gestural and facial emotional cues.
- Received Venture Grant to fund travel and fees to attend training workshop on reading facial cues

2007-2008 **Kaplan, Joshua** - Effects of PBDE exposure on cholinergic neuron number and the cholinergic modulation of sustained attention.

- Awarded Figge-Bourquin Premedical Grant to fund summer research and supplies

2007-2008 **Kraut, Joshua** - Effects of PBDE exposure on learning and sustained attention

- Received Venture Grant to fund travel to Society for Neuroscience conference

2007-2008 **Fitzpatrick, Jesse** - Effects of PBDE exposure on selective attention and the cholinergic modulation of sustained attention.

- Awarded Faculty-Student Collaborative Venture Grant to fund summer research and supplies
- Received Venture Grant to fund travel to Society for Neuroscience conference

2007-2008 **Harvey, David** - Personality and situational factors associated with substance abuse and addiction.

2007-2008 **Balsama, Lisa** - The mercury/thimerosal debate: Does it cause or contribute to the triggering of autism?

2007-2008 **LaBue, Nikki** - Patterns of psychopathy in female serial killers.

2006-2007 **Hieb, Amanda** - Effects of chronic postnatal exposure to polybrominated diphenyl ethers (PBDEs) on thyroid hormones, learning, and sustained attention in the rat.

- Awarded Faculty-Student Collaborative Venture Grant for summer research

2006-2007 **Boynton, Ashley** - The effect of emotionally congruent vs. incongruent background music on memory retention in films.

2006-2007 **Johnston, Leah** - Relief of endometriosis symptoms and reduction of blood CA-125 protein following meditation and/or nutritional education programs.

- Awarded a Venture Grant for partial funding of project expenses

2005-2006 **Gibson, Amanda** - Effects of chronic postnatal exposure to polybrominated diphenyl ethers on learning and attention.

- Awarded a Faculty-Student Collaborative Venture Grant for summer research

2005-2006 **Cheteni, Freedom** - Effects of chronic postnatal PBDE exposure on the cholinergic modulation of sustained attention.

2005-2006 **Martin, Ashleigh** - The effects of moderate fetal alcohol exposure and environmental enrichment on the hippocampal microenvironment. (data collected at the University of New Mexico)

2004-2005 **Dufault, Caitlin** - Early postnatal exposure to polybrominated diphenyl ethers (PBDEs): Effects on the cholinergic modulation of sustained attention.

- Awarded a Howard Hughes summer fellowship

- Awarded a Faculty for Undergraduate Neuroscience Travel Award for presentation of research at the Society for Neuroscience meeting

2004-2005 **Dionne, Kalen** - The morphological effects of polybrominated diphenyl ether (PBDE) exposure on cortical pyramidal neurons in the postnatal rat: A quantitative dendritic analysis.

Community Service

District 11 Gifted and Talented Advisory Committee, 2021-present

Donor Alliance volunteer and advocate for organ donation, 2008-2018

Mentor to 8th grader Coletta Homick-Montiel, Pikes Peak Science Fair, Effects of controlled neurostimulation on brainwaves, 2020

Steele Elementary PTA member, 2014-2018

National Alliance on Mental Illness-Colorado Springs: fundraising table coordinator, 2013 and 2015

Pikes Peak Regional Science Fair, judge and award sponsor (on behalf of the CC Psychology Department and Cornelia Sabine), 2005-2021

Morgan County Education/Workforce Consortium: Career Exploration Workshop Presenter, 2013