

# S. ANDREW INKPEN

## *Curriculum Vitae*

(Apr 2019)

Department of Philosophy

Brandon University

270-18th Street, Brandon, Manitoba, Canada

inkpena@brandonu.ca

## CURRENT POSITION

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2018 - present **Brandon University** Philosophy  
Assistant Professor

## POSTDOCTORAL WORK

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- 2016 - 2018 **Dalhousie University** Philosophy, Biochemistry and Molecular Biology  
Postdoctoral Fellow (funded by the NSERC Herzberg Medal Grant)
- 2015 - 2016 **University of Pittsburgh** History and Philosophy of Science  
Visiting Assistant Professor (Fall Term)  
Visiting Fellow, Center for Philosophy of Science (Spring Term)  
Social Sciences Research Council of Canada Postdoctoral Fellow (Year 2 of 2)
- 2014 - 2015 **Harvard University** History of Science  
Social Sciences Research Council of Canada Postdoctoral Fellow (Year 1 or 2)

## EDUCATION

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- 2008 - 2014 **University of British Columbia** PhD Philosophy  
*Dissertation:* Denaturing Nature: Philosophical and Historical Reflections on the Artificial-Natural Distinction in the Life Sciences  
*Committee:* John Beatty (Supervisor), Alan Richardson, Christopher Stephens, Margaret Schabas, Robert Brain (UBC, History), Garland Allen (External: Washington University, Biology)
- 2004 - 2008 **Saint Mary's University** (Halifax) BSc Biology, Honors

## AREAS OF SPECIALIZATION

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Philosophy of Science, History of Science, Philosophy of Biology

## AREAS OF COMPETENCE

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Environmental Philosophy, Science and Technology Studies, Philosophy of Medicine, Normative Ethics, History of Philosophy (esp. Ancient)

## PUBLICATIONS

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### Peer-reviewed

*Forthcoming* **Inkpen SA**. "Health, Ecology, and the Microbiome." *eLife*.

**Inkpen SA**, DesRoches CT. "When Ecology Needs Economics and Economics Needs Ecology: Interdisciplinary Exchange during the Anthropocene." ***Ethics, Policy, and Environment***.

2019 Wideman JG, **Inkpen SA**, Doolittle WF, Redfield RJ. "Mutationism, not Lamarckism, Captures the Novelty of CRISPR-Cas" ***Biology and Philosophy***, TBA.

DesRoches CT, **Inkpen SA**, Green TL. “The Eroding Artificial/Natural Distinction? Some Consequences for Ecology and Economics.” In M Nagatsu and A Ruzzene (eds.), *Philosophy and the Social Sciences: A Dialogue*. Bloomsbury Publishing, London: UK.

**Inkpen SA**, DesRoches CT. “Revamping the Image of Science for the Anthropocene” *Philosophy, Theory, and Practice in Biology*, 11: 1-7.

2018 Doolittle WF, **Inkpen SA**. “Processes and Patterns of Interaction as Units of Selection: An Introduction to ITSNTS Thinking” *Proceedings of the National Academy of Sciences USA*, 115: 4006-14.

2017 **Inkpen SA**, Douglas GM, Brunet TDP, Leuschen K, Doolittle WF, Langille MGI. “The Coupling of Taxonomy and Function in Microbiomes.” *Biology and Philosophy*, 32: 1225-1243.

**Inkpen SA**. “Demarcating Nature, Defining Ecology: Creating a Rationale for the Study of Nature’s ‘Primitive Conditions’” *Perspectives on Science*, 25: 355-92.

**Inkpen SA**. “Are Humans Disturbing Conditions in Ecology?” *Biology and Philosophy*, 32: 51-71.

Stuart YE, **Inkpen SA**, Hopkins R, Bolnick DI. “Character displacement is an evolutionary pattern. So what causes it?” *Biological Journal of the Linnean Society*, 121: 711-715.

2016 **Inkpen SA**. “Like Hercules and the Hydra: Trade-offs and Strategies in Ecological Model-Building and Experimental Design” *Studies in History and Philosophy of Biological and Biomedical Sciences*, 57: 34-43.

**Inkpen SA**, Doolittle WF. “Molecular Phylogenetics and the Perennial Problem of Homology” *Journal of Molecular Evolution*, 83: 184-192.

2014 **Inkpen SA**. “‘The Art Itself is Nature’: Darwin, Domestic Varieties, and the Scientific Revolution.” *Endeavour*, 38: 246-56.

2010 **Inkpen SA**, and Foellmer M. “Sex-specific foraging behaviors and growth rates in juveniles mediate the development of extreme sexual size dimorphism.” *Open Ecology Journal*, 3: 59-70.

### **Other**

2015 “Putting Nature in its Place.” *RemediaNetwork*, May 2015. Online at: <http://remedianetwork.net/2015/05/11/putting-nature-in-its-place/>

2014 *Denaturing Nature: Philosophical and Historical Reflections on the Artificial-Natural Distinction in the Life Sciences*. Dissertation: University of British Columbia, September 2014

## **PROJECTS APPROACHING COMPLETION**

in revision “Making Sense of Gene Homology” (**Inkpen SA**, Doolittle WF, Campbell R)

in revision “Health and Ecology”

in revision “Dysfunction in Ecology”

in revision “Searching for What Nature has Wrought: T. Dobzhansky’s “Natural” Experimental Fruit Fly”

- in revision “Why Darwin and Wallace Disagreed About Domestication: A Reassessment”
- in revision “When Less Manipulation Is More: Philosophical Reflections on Experimental Trade-offs in Field Biology”
- ongoing *Denaturing Nature*, book manuscript

## RECENT AND FORTHCOMING PRESENTATIONS

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- 2019 (Mar) “TBA” *Faculty of Arts Speaker Series*, Brandon University
- 2019 (Feb) “The Artificial-Natural Distinction and Ecosystem Health,” *Environmental Humanities*, Arizona State University
- 2018 (Nov) “Molecular phylogenetics and the perennial problem of homology,” *Science Seminar Series*, Brandon University
- 2018 (Nov) Roundtable discussant in “History, Philosophy, And The Life Sciences: The Importance Of Bridging Disciplines,” *History of Science Society Meeting*, Seattle WA
- 2018 (Nov) “Dysfunction in Ecology,” *Philosophy of Science Association Meeting*, Seattle WA
- 2018 (June) “Disease and the Microbiome,” *Canadian Philosophical Association*, Montréal
- 2018 (May) (invited) “What does it mean to be a naturalist in an engineered world?” *Marine Biological Laboratory Seminar Series*, MBL Woods Hole
- 2018 (Apr) (invited) “Disease and the Microbiome,” *IHR Roundtable on Health and Human Well-Being*, Arizona State University
- 2018 (Mar) (invited) “Disease and the Microbiome” Brandon University
- 2018 (Feb) “Disease and the Microbiome: Can Naturalistic Theories Make Sense of Dysfunction?” *Philosophy Colloquium*, Dalhousie University
- 2018 (Jan) “Revamping the Image of Science for the Anthropocene,” *Humanities in the Anthropocene Workshop: Rethinking Impact*, Arizona State University
- 2017 (Nov) “Coupling Taxonomy and Function” *Centre for Comparative Genomics and Evolutionary Bioinformatics Seminar*, Dalhousie University
- 2017 (Oct) “Sameness: Of Genes and Hands.” *Atlantic Region Philosophers’ Association 2017 Conference*, St. Mary’s University
- 2017 (July) “Toward a New Account of Ecosystem Function” *Function and Biological Explanation*, Acadia University
- 2016 (Dec) “What’s Wrong with the Received View of Molecular Homology?” *Centre for Comparative Genomics and Evolutionary Bioinformatics Seminar*, Dalhousie University
- 2016 (Dec) “Molecular Phylogenetics and the Perennial Problem of Homology.” *Philosophy Colloquium*, Dalhousie University
- 2016 (Nov) (refereed) “When Ecology Needs Economics and Economics Needs Ecology: Interdisciplinary Exchange in the Age of Humans” *PSA: Philosophy of Science Association*, Atlanta, Georgia
- 2016 (Oct) (invited) “Ecology in the Age of Humans.” *Department of Philosophy*, University of Wisconsin - Stevens Point

- 2016 (May) (invited) “Demarcating Nature, Defining Ecology.” *Department of Biology Colloquium*, Dalhousie University
- 2016 (Feb) (invited) “Demarcating Nature, Defining Ecology.” *Department of Philosophy*, Lake Forest College
- 2016 (Jan) “Demarcating Nature, Defining Ecology.” *Lunchtime Colloquium: Center for Philosophy of Science*, University of Pittsburgh
- 2015 (Jul) “The ‘Natural’ in ‘Natural Experiments’: Humans as Disturbing Conditions in Ecology.” *International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB)*, Université Montréal
- 2015 (Mar) (invited) “All the World’s a Lab: Natural Experiment in the Life Sciences.” *Incubator Series for Visiting Fellows*, History of Science, Harvard University
- 2015 (Feb) “Nature, According to Theodosius Dobzhansky and Francis Sumner.” *Modern Sciences Working Group*, History of Science, Harvard University
- 2014 (Sept) (refereed poster) “When Less (Manipulation) is More? Lessons from 1980s Community Ecology.” *Calgary Summit of Philosophers of Science*, Calgary, University of Calgary
- 2014 (Jun) (refereed) “Searching for What Nature has Wrought: The ‘Natural’ in Th. Dobzhansky’s Genetics of Natural Populations.” *The “Artificial” and the “Natural” in the Life Sciences 1850-1950*, Egenis, Exeter University
- 2014 (Feb) (invited) “Searching for what Nature has Wrought: The “Natural” Experimental Fruit Fly, *D. pseudoobscura*.” *Incubator Series for Visiting Fellows*, History of Science, Harvard University
- 2013 (Oct) “Darwin and the Mechanical Philosophy: Likening Nature to Artifice.” *Modern Sciences Working Group*, History of Science, Harvard University
- 2013 (Jul) “Darwin and the Mechanical Philosophy: Likening Nature to Artifice.” *International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB)*, Université Montpellier
- 2012 (Nov) “Early Natural Experiments.” *The Jonathan Losos Lab Group*, Organismal and Evolutionary Biology, Harvard University
- 2012 (Oct) “Comments on ‘The Scope and Limits of Mathematized Medicine from Descartes to Leibniz’.” *The Language of Nature Workshop*, University of Western Ontario
- 2011 (Jul) “Darwin and the types of selection.” *International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB)*, University of Utah
- 2010 (May) (refereed) With C. French. “The case of complicated populations.” *Philosophy of Biology at Madison Workshop (POBAM)*, University of Wisconsin, Madison
- 2009 (Nov) With C. French. “Likelihoods meet the G matrix: a case of biological modeling.” *Philosophy Graduate Colloquium*, Philosophy Department, University of British Columbia
- 2008 (Aug) With M. Foellmer. “Sex-specific foraging strategies and growth rates in early juveniles mediate the development of extreme female-biased sexual size dimorphism in a spider.” *International Behavioral Ecology Congress (IBEC)*, Cornell University

- 2008 (Mar) With M. Foellmer. "Web design as an indicator of sex-specific foraging strategies in juveniles of the highly dimorphic orb-web spider *Argiope aurantia*." *APICS Undergraduate Biology Conference (AUBC)*, Memorial University Newfoundland
- 2007 (Aug) With M. Foellmer. "Web design as an indicator of sex-specific foraging strategies in juveniles of the highly dimorphic orb-web spider *Argiope aurantia*." *International Ethological Conference (IEC)*, Dalhousie University
- 2007 (May) With M. Foellmer. "Web design as an indicator of sex-specific foraging strategies in juveniles of the highly dimorphic orb-web spider *Argiope aurantia*." *Canadian Society for Ecology and Evolution (CSEE)*, University of Toronto

## **SELECT AWARDS AND FELLOWSHIPS**

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- 2019 - 2021 Project Leader for McDonnell Initiative @MBL, Marine Biological Laboratory, MA
- 2016 - 2018 Postdoctoral Fellowship (Herzberg Medal Grant), Dalhousie University
- 2016 Visiting Fellowship, Center for Philosophy of Science, University of Pittsburgh
- 2014 - 2016 Social Sciences and Humanities Research Council (SSHRC) Postdoctoral Award
- 2013 - 2014 Eugene Garfield Fellowship, American Philosophical Society
- 2011 - 2012 Social Sciences and Humanities Research Council (SSHRC) Doctoral Award
- 2009 - 2012 4-Year Fellowship and Tuition Waiver, University of British Columbia
- 2008 - 2009 Social Sciences and Humanities Research Council (SSHRC) Master's Award, *declined*
- 2006 Natural Sciences and Engineering Research Council (NSERC) Undergraduate Award

## **TEACHING AS PRIMARY INSTRUCTOR**

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- Duties Course planning, ordering books, delivering lectures, leading discussions, designing and grading exams and written assignments, holding office hours, and meeting with students to discuss and clarify course material
- 2018 (Fall) *Advanced Topics in Philosophy: Feminist Philosophy*, Brandon University, Department of Philosophy
- 2018 (Fall) *Ethics*, Brandon University, Department of Philosophy
- 2018 (Fall) *Philosophy of Science*, Brandon University, Department of Philosophy
- 2017-2018 *Introduction to History and Philosophy of Science*, University of King's College, History of Science and Technology Programme (with Melanie Frappier and Gordon McOuat)
- 2017 (Spring) *Introduction to Philosophy*, Dalhousie University, Department of Philosophy
- 2016 (Spring) *Independent Study in History and Philosophy of Science* (The Life and Work of David Hull), University of Pittsburgh, Department of History and Philosophy of Science and The Archives for Scientific Philosophy
- 2015 (Fall) *Introduction to History and Philosophy of Science*, University of Pittsburgh, Department of History and Philosophy of Science
- 2015 (Fall) *Philosophy of Biology* (Cross-listed undergrad/grad course), University of Pittsburgh, Department of History and Philosophy of Science

2015 (Fall) *Independent Study in History and Philosophy of Science* (Sexuality and Gender), University of Pittsburgh, Department of History and Philosophy of Science

2014 *Introduction to Philosophy: Metaphysics and Epistemology*, University of British Columbia,  
(Summer) Department of Philosophy

## TEACHING ASSISTANTSHIPS

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Duties Grading papers and exams, leading discussion sections (see below), giving lectures, holding office hours, and meeting with students to discuss and clarify course material

2012 (Spring) *Introduction to Moral Theory* (with weekly discussion groups)  
University of British Columbia

2010 - 2011 *Introduction to Philosophy* (with weekly discussion groups)  
University of British Columbia

2009 (Fall) *Introduction to Philosophy: Metaphysics and Epistemology* (with weekly discussion groups)  
University of British Columbia

2009 (Spring) *Introduction to Philosophy: Metaphysics and Epistemology* (with weekly discussion groups)  
University of British Columbia

2008 (Fall) *Philosophy of Art*  
University of British Columbia

2006 - 2007 *Introduction to Philosophy*  
Saint Mary's University

## RESEARCH ASSISTANTSHIPS

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2013 *Darwin Correspondence Project* (under the direction of Janet Browne, Harvard University)  
Duties included: archival research at Cornell University Darwin archive; answering research queries from the Cambridge University Node, such as identifying unknown individuals mentioned in the letters; transcribing letters from hand-written originals to website-friendly formatting

2011 - 2012 Under the direction of Lisa Gannett, Saint Mary's University

2006 - 2008 Duties included: editing and transcribing readings for a textbook; research assistance with projects addressing the concept of objectivity in feminist philosophy of science literature and concepts of race

2007 - 2008 Under the direction of Matthias Foellmer, Saint Mary's University

2005 - 2006 Duties included: experimental design; field and laboratory research in behavioural ecology; database and citation management; data analysis

## PROFESSIONAL AND DEPARTMENTAL SERVICE

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Reviewer *Hypatia*  
*Endeavour*  
*Biology and Philosophy*  
*Erasmus Journal for Philosophy and Economics*  
*Frontiers in Psychology*  
*Studies in History and Philosophy of Biological and Biomedical Sciences*

Organizer	Evolutionary Studies Group, Dalhousie, 2016-2018 UBC Philosophy of Biology Reading Group, 2009-2011
Professional Service	Operations Committee, <i>International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB)</i> , 2011-present
Professional Affiliations	American Philosophical Association (APA) Philosophy of Science Association (PSA) International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)