

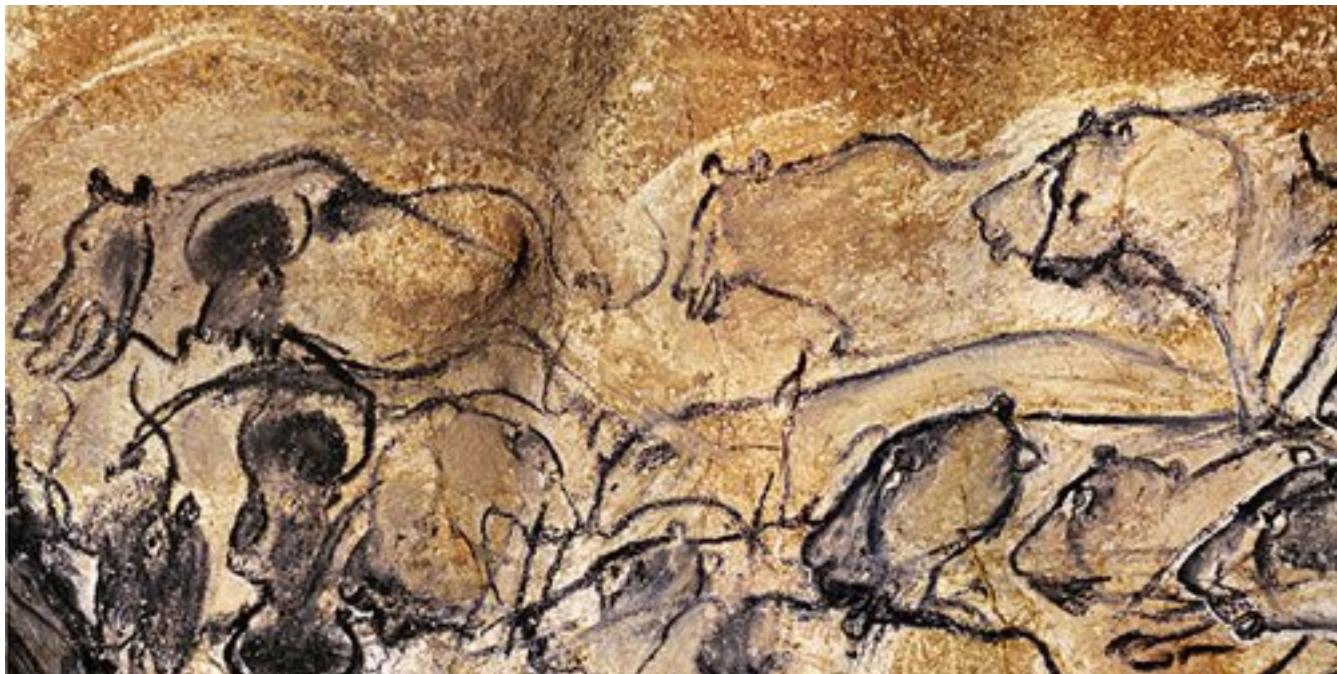
# Communiqué

SOCIÉTÉ CANADIENNE D'HISTOIRE ET DE PHILOSOPHIE DES SCIENCES

CANADIAN SOCIETY FOR THE HISTORY AND PHILOSOPHY OF SCIENCE

Nº 97

Winter/Hiver 2018



## *En route to Congress 2018!*

It is a pleasure to report that the CSHPS 2018 Program Committee, chaired by François Claveau, and our Local Arrangements coordinator, Yvonne Petry, have already done important groundwork on the Regina meeting, which promises to be excellent, memorable and fun. The scale of Regina lends itself to a friendly meeting, one where intellectual engagement of the formal sessions and papers will carry over into convivial evening conversations. Without giving away too much of the planning, I am delighted to report that we have lined up an outstanding Drake Lecturer: C. Kenneth Waters, Department of Philosophy and Canada Research Chair in Logic and Philosophy of Science, University of Calgary; likewise, we have arranged for a superb International Speaker, Jutta Schickore, Department of History and Philosophy of Science and Medicine, Indiana University. CSHPS is a great opportunity to catch up with colleagues and friends, and to enlarge our circles of both. I look forward to seeing you there, and for now I wish all readers of *Communiqué* warm wishes for a very happy and propitious 2018!

*Ernie Hamm*  
President, CSHPS

*Image:* Chauvet Cave, Ardèche, France, c.30,000-28,000 B.C.  
DRAC Rhône-Alpes, Ministère de la Culture / AP Images

# Communiqué

Newsletter of the Société canadienne d'histoire et de philosophie des sciences/Canadian Society for the History and Philosophy of Science

Nº 97  
Winter/Hiver 2018

[www.cshps.ca](http://www.cshps.ca) [www.schps.ca](http://www.schps.ca)

Please direct submissions and inquiries to Vincent Guillin or Jaipreet Virdee, preferably by email (details below). Please note that submissions can be sent in both official languages. The editors are grateful to York University for assistance with archival printing costs. The newsletter layout was created using Scribus, an open source desktop publishing program.

Co-editors:

## Vincent Guillin

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CSHPS-SCHPS Executive:

President: Ernie Hamm (York)

Past-President: Lesley Cormack (Alberta)

First Vice-President: Alan Richardson (UBC)

Second Vice-President: Tara Abraham (Guelph)

Secretary-Treasurer: Conor Burns (Ryerson)

## Editors' Message

Happy New Year!

This Winter issue of *Communiqué* was created using Scribus, an open-source desktop publishing software, a first since Vincent and I decided to move away from Adobe InDesign. Programming issues otherwise, rest assured that the newsletter will continue its traditions, with new features to be introduced over the course of 2018. In this issue contains plenty of member updates (including recent book releases), funding and conference announcements. Continuing the digital-only format, there's plenty of hyperlinks to further your reading pleasure. If you prefer a paper copy, simply print the PDF! We'll also like to welcome aboard Allan Olley, who will be replacing Isaac Record as webmaster. Thanks to Isaac for all of his hard work over the years.

*Jaipreet and Vincent*

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## 2018 CSHPS Conference Congrès 2018 de la SCHPS

### REGISTRATION IS OPEN/LES INSCRIPTIONS SONT OUVERTES

Registration is now open for the 2018 CSHPS conference to be held May 26-28, as part of the [Congress of the Humanities and Social Sciences](#) that will take place in Regina (SK).

Vous pouvez dès maintenant [vous inscrire au Congrès 2018 de la SCHPS](#) qui se tiendra du 26 au 28 mai, dans le cadre du [Congrès des Humanités et des Sciences sociales](#) qui se tiendra à Regina (SK).

### REMINDER TO RENEW/ RAPPEL DE COTISATION

This is a good time to remind members that your 2017 memberships have expired, so it is time to renew for 2018. In order to attend and/or participate in the 2018 Regina meeting, you do need to be a member in good standing for 2018: <http://www.yorku.ca/cshps1/join.html>

Le moment est venu de rappeler à nos membres que leur affiliation pour 2017 vient d'arriver à son terme et qu'il est donc temps de renouveler leur adhésion pour 2018. Pour assister et/ou participer au congrès de Regina en 2018, vous devez être à jour de votre cotisation de 2018 : [http://www.yorku.ca/cshps1/join\\_fr.html](http://www.yorku.ca/cshps1/join_fr.html)

### LAST CALL FOR ABSTRACTS/ DERNIER APPEL À PROPOSITIONS FEBRUARY 16, 2018

To submit a paper or propose a session (3-4 papers) send to: [program.cshps@gmail.com](mailto:program.cshps@gmail.com). Graduate students are eligible for the Hadden Prize for Best Student Paper.

**congress 2018**  
OF THE HUMANITIES AND SOCIAL SCIENCES  
**Gathering diversities**

## ANNOUNCEMENTS/ANNONCES

### Conferences/Conférences

#### The Biology of Behaviour: Explanatory Pluralism across the Life Sciences

**Date :** May 10-11, 2018

**Location :** Université du Québec à Montréal, Montréal (Québec)

The objectives of the workshop are to look specifically into the explanatory patterns of behavior and questions relating to explanatory pluralism and/or integration (or lack thereof). Biologists explain the behaviour of organisms in a wide variety of ways. Some look at the mechanisms that underlie specific behaviours, such as the genetic, molecular, developmental or neurobiological factors, whereas others are interested in the evolutionary histories of the traits or their adaptive functions. We propose to investigate to what extent these explanations differ in their aims, methods and conceptual frameworks. And also what a purported plurality of explanatory schemes implies regarding the competition, collaboration or integration of the multiple explanations. Explanations of behaviour furthermore are applied to all types of entities, and at all levels, from single-celled organisms to plants, invertebrates, mammals, humans, groups, populations, and even ecosystems. Another objective of the workshop is to investigate whether all these uses are coherent, whether the explanations apply in the same ways at all levels of organisation or whether the widespread use of the term 'behaviour' is a red herring. It is a notoriously difficult term to define, but this may or may not matter, depending on the role the word is expected to fulfill. Underlying such inquiries are fundamental epistemological questions, such as the identification of better or worse explanations of behaviour in the biological sciences, and whether various sub-disciplines use the same or different criteria for evaluating those explanations.

**Speakers:**

--Bernard Chapais: "The Phylogenetic

Comparative Approach and the Biology of Human Behavior"

-- Luc Faucher & Pierre Poirier: "A New Hope: a Better ICM to Explain the Biosocial Construction of Human Realities"

--Eric Turkheimer & Lucas Matthews: "Across the Great Divide: Connecting Distal Genetic Causes and Complex Human Behavior"

--Kathryn Plaisance: "Understanding 'What Could Be': An Empirical Study Combining a Randomized Intervention with Behavioral Genetic Methods and its Implications for Philosophical Accounts of the Scientific Study of Human Behavior"

--James Cahill: "Brainless Behaviour: Experiments in Plant Behavioural Ecology"

--Wayne Sossin: "Can One Understand 'Behaviour' at the Molecular Level? Experiences from the Simple Model System of Aplysia"

--Eric Muszynski & Christophe Malaterre: "Best Behaviour: a Proposal for a Non-Binary Conceptualization of Behaviour in Biology"

--Simon Reader: "Why Mechanisms Matter in the Evolution of Behaviour: Debates on Social Learning"

--Emma Despland: "The 'How' and 'Why' of Collective Locomotion in Social Caterpillars"

--Helen E. Longino: "Scaling Up; Scaling Down: What's Missing?"

--Jacqueline Sullivan: "Explanation, Integration and Coordinated Pluralism"

--Colin Allen: A Place for Intentional Explanation?

--Esther Rosario & Ingo Brigandt: "Gender Based Brain Studies and Methodological Plurality"

#### Fifth International Conference on the Nature and Ontology of Spacetime

**Date:** May 14-17, 2018

**Location:** Albena (famous resort near Varna), Bulgaria

**Website:**

[www.minkowskiinstitute.org/conferences/2018/](http://www.minkowskiinstitute.org/conferences/2018/)

**Contact:**

[2018conference@minkowskiinstitute.org](mailto:2018conference@minkowskiinstitute.org)

To mark the 110th anniversary of Hermann

Minkowski's groundbreaking lecture "Space and Time" the main theme of the Fifth International Conference on the Nature and Ontology of Spacetime will be the nature of spacetime - whether spacetime should be regarded merely as an abstract mathematical notion modelling an evolving present, or spacetime represents a block universe or a growing block universe?

Physicists are especially encouraged to attend because even relativists hold widely different views, e.g., that

- (i) spacetime is nothing more than a mathematical continuum (which is essentially Poincaré's view that prevented him from discovering the spacetime structure of the world and from developing the mathematical formalism of spacetime physics)
- (ii) the question of the reality of spacetime belongs to philosophy (which is hardly physics at its best because the question of the dimensionality of the world can be answered only by physics).

Despite that the focus of the fifth spacetime conference will be on the main theme, the Scientific Organizing Committee invites papers from physicists and philosophers on any topic related to the nature and ontology of spacetime.

Contributed papers in the form of extended abstracts of between one and two pages should be emailed by Wednesday, January 31, 2018 to [2018conference@minkowskiiinstitute.org](mailto:2018conference@minkowskiiinstitute.org).

Submissions will be reviewed and notification of acceptance will be given by Wednesday, February 28, 2018.

Scientific Organizing Committee:

Dennis Dieks (Utrecht University)  
Mauro Dorato (University of Rome Three)  
George F. R. Ellis (University of Cape Town)  
Robert Geroch (University of Chicago)  
Eleanor Knox (King's College London)  
Vesselin Petkov (Minkowski Institute, Montreal)  
Steven Savitt (University of British Columbia)

Anguel Stefanov (Bulgarian Academy of Sciences)

James Owen Weatherall (University of California, Irvine)

Christian Wüthrich (University of Geneva)

The location of the conference has been specifically chosen to combine a research meeting and a vacation (at affordable price). It will be held in the same hotel where the First Hermann Minkowski Meeting on the Foundations of Spacetime Physics was held; here are some pictures from the meeting:

<http://www.minkowskiiinstitute.org/meetings/2017/pictures.html>

### **Persons and Populations: Historical and Philosophical Perspectives IHPST 50th Anniversary Celebration**

**Date:** May 28-29, 2018

**Location:** IHPST, 91 Charles Street West, University of Toronto, Toronto, Ontario (Canada)

To mark its 50th anniversary, The Institute for History and Philosophy of Science and Technology (University of Toronto) is hosting a two-day conference in the history and philosophy of medicine. The program committee welcomes papers in any area of history and philosophy of medicine, but the main theme of this conference is "Persons and Populations." We encourage papers that explore questions, such as the following:

--Can information derived from populations be useful for decisions at the level of the individual patient?

--When is it appropriate to deliver care at the level of the population rather than the individual? For example, are there ethical obligations to consider the public health of certain (sub-)populations?

--When are patients actually treated as persons? Do such revelations highlight inequities in public/private healthcare systems?

Highlights of the conference include:

- Professor Lucia Dacome (history of medicine,

IHPST) will give a keynote address in honor of the creation of the Pauline M. H. Mazumdar Chair in the History of Medicine;

- Mark Tonelli (University of Washington Medical Center) will give a keynote address on "Do We Need a Philosophy of Medicine?";
- Panel Discussion on "Persons and Populations";
- Panel Discussion on "The History of Population Health".

Contributed papers in the form of extended abstracts of between one and two pages should be emailed by February 28, 2018 to [IHPSTConference@gmail.com](mailto:IHPSTConference@gmail.com). Submissions will be reviewed and notification of acceptance will be given by March 7, 2018.

No fees are associated with this conference and it is open to the public. However, if you do plan to attend, please rsvp [IHPSTConference@gmail.com](mailto:IHPSTConference@gmail.com) so that we can plan accordingly. Copies of the finalized programme will be send by email on March 15 to participants and to individuals who rsvp [IHPSTConference@gmail.com](mailto:IHPSTConference@gmail.com)

#### Programme Committee:

Brian Baigrie (IHPST, University of Toronto)  
Mat Mercuri (Department of Medicine,  
McMaster University and IHPST, University of  
Toronto)

Ross Upshur (Dalla Lana Faculty of Public  
Health, University of Toronto)

Jennifer Fraser (IHPST, University of Toronto)

#### Organizing Committee:

Yiftach Fehige (IHPST, University of Toronto)  
Muna Salloum (IHPST, University of Toronto)  
Chen-Pang Yeang (IHPST, University of  
Toronto)

## 9th International Workshop on Physics and Computation (P&C 2018)

(A satellite workshop to Unconventional  
Computation & Natural Computation 2018)

**Date:** June 25-29, 2018

**Location:** IUT de Fontainebleau, Fontainebleau

(France)

**Website:** <https://easychair.org/cfp/pc2018>

The 9th International Workshop on Physics and Computation (P&C 2018) will be held as a satellite workshop of the 17th International Conference on Unconventional Computation and Natural Computation (UCNC 2018) in Fontainebleau, France, which is being held from 25-29 June 2018. (The workshop will be co-located with the main conference and will be held on one of the days within this period.) P&C 2018 is an interdisciplinary meeting which claims to bring together researchers from various domains with interests in physics and computation. Research and important issues relating to the interface between physics and the theories of computation, computability and information, including their application to physical systems, will be presented and discussed.

In 2018, the P&C workshop coincides with the imminent publication of the interdisciplinary volume, *Physical Perspectives on Computation, Computational Perspectives on Physics* (Cambridge University Press), edited by Michael E. Cuffaro and Samuel C. Fletcher

(<http://www.michaelcuffaro.com/books.shtml>). We are pleased to announce that two of this book's contributors: Judit X. Madarász and Oron Shagrir will present keynote lectures at the workshop.

#### Submissions:

Authors are invited to submit either a full paper (12 pages maximum) or an extended abstract (maximum 4-5 pages) to the workshop's EasyChair site:

<https://easychair.org/conferences/?conf=pc2018>. Submissions must be prepared for blind review by removing any identifying author information, and submitted in Portable Document Format (PDF). Note that those submitting only an extended abstract will (if accepted) be asked to submit the full (maximum 12 page) version of the paper prior to the commencement of the workshop, so as to be published in the workshop's pre-proceedings (see below). Papers must not have been submitted simultaneously to other conferences

or workshops with published proceedings. Accepted papers must be presented at the workshop.

#### Proceedings:

A 'pre-proceedings' of the workshop will be published as a volume of Electronic Proceedings in Theoretical Computer Science (EPTCS) before the workshop commences. Additionally, after the workshop, authors of selected papers will be invited to submit revised and extended versions of their papers, subject to additional review, for publication in a special issue of the International Journal of Unconventional Computing (IJUC).

#### Topics:

We welcome extended abstracts and/or paper submissions for presentation on topics relating to physics and computation. Typical, but not exclusive, topics include:

- Axiomatisation of physics: completeness, decidability, reduction
- Dynamical systems: computability, complexity
- Hypercomputation
- Molecular computation and reaction-diffusion models
- Multiple-substrate computation
- Novel models of computation
- Philosophy of physics and computation
- (Physical) Church-Turing thesis
- Quantum computation and information
- Quantum logics
- Physics and computational complexity
- Randomness: quantum, dynamical & physical randomness
- Relativistic computation
- Theory of measurement: axiomatisation, complexity
- Thermodynamics of Computation

#### Important Dates:

- Submissions deadline: 1 March 2018
- Notification of acceptance: 30 April 2018
- Final versions of papers due (for pre-proceedings): 21 May 2018

Registration, Participation, & Accommodation: P&C 2018 is part of the broader UCNC

conference and all costs are included in registration for the primary conference. To attend, please register for the conference at: <https://ucnc2018.lacl.fr/>. Accommodation information will also be made available via the UCNC site.

#### Program Committee:

- Hajnal Andréka
- Jack Copeland
- Nachum Dershowitz
- Samuel Fletcher
- Dominic Horsman
- Viv Kendon
- Olimpia Lombardi
- Markus Müller
- Wayne Myrvold
- Gualtiero Piccinini
- Michael Cuffaro
- Philippos Pappayanopoulos

#### Organising Committee:

- Michael Cuffaro
- Philippos Pappayanopoulos

Email address for further inquiries: [pc2018-0@easychair.org](mailto:pc2018-0@easychair.org)

The conference language is English.

## Summer Schools/Écoles d'été

### Particle Physics at the Crossroads: Interdisciplinary Perspectives on the Past, Present and Future of Particle Physics

**Date:** July 23-30, 2018

**Location:** Wuppertal (Germany).

**Website:** <http://www.lhc-epistemologie.uni-wuppertal.de/index.php?id=1182>

The Research Unit "Epistemology of the LHC" invites applications for the Summer School "Particle Physics at the Crossroads: Interdisciplinary Perspectives on the Past, Present and Future of Particle Physics" taking place 23-30 July 2018 in Wuppertal (Germany).

With the discovery of the Higgs boson, the last

missing piece of the Standard Model of particle physics has been found. The “hunt” for the Standard Model particles has thus come to an end and new aims and challenges will take centre stage in the practice of particle physics: precision measurements of the Standard Model’s parameters, the search for particles beyond the Standard Model, motivated in part by cosmological evidence, and the exploration of yet uncharted experimental and theoretical territory. To meet these challenges ever more sophisticated and larger experimental facilities will be required as well as an ever more critical assessment of the virtues and shortcomings of various theoretical proposals. A better understanding of this new phase of particle physics calls for a concerted effort of physics and the social sciences reflecting on it.

Confirmed speakers are John Ellis, Ollof Hallonsten, Rafaela Hillerbrand, Martina Merz, Margarete Mühlleitner, Chris Smeenk, Kent Staley, Friedrich Steinle, Catherine Westfall and Christian Zeitnitz.

We invite up to 30 advanced students and early career researchers from the history, philosophy, and sociology of physics, as well as from physics itself to participate. The application process will be competitive and participants will be selected according to qualification and research interests.

To apply, please send the following material in a single pdf file to [SummerSchool.ELHC@uni-wuppertal.de](mailto:SummerSchool.ELHC@uni-wuppertal.de) no later than 31 January 2018:

- a letter of motivation, no longer than two pages,
- a cv in tabular form,
- a list of publications (if available), and
- two academic references, i.e. contact details of two professors or established researchers who are willing to comment on your qualifications

A selection of participants will be able to give short presentations of their own work as part of the school. The presentations will be followed by a commentary from a member of the Research Unit. In case you intend to give a

presentation, you should add to your application:

- the title of your talk, and
- a short abstract (between 300 and 500 words)

We offer a small number of stipends to participants with limited financing. To apply for a stipend, please also prepare and submit a letter, no longer than one page, explaining your financial situation.

Upon request, the participants will receive a confirmation that the summer school is equivalent to a workload of 2 ECTS.

For further information and practical details, please refer to

<http://www.lhc-epistemologie.uni-wuppertal.de/index.php?id=1182>

or contact the organizers Adrian Wüthrich and Florian Boge using the email address: [SummerSchool.ELHC@uni-wuppertal.de](mailto:SummerSchool.ELHC@uni-wuppertal.de)

## **PSP2: A Summer Program for Underrepresented Groups in Philosophy of Science**

**Date:** July 16-20, 2018

**Location:** Center for Philosophy of Science, University of Pittsburgh (Pennsylvania)

The Center for Philosophy of Science at the University of Pittsburgh ([www.pitt.edu/~pittcntr](http://www.pitt.edu/~pittcntr)) is pleased to announce a call for applications for PSP2: A Summer Program for Underrepresented Groups in Philosophy of Science, which will be held in the Center for Philosophy of Science at the University of Pittsburgh from July 16 to July 20, 2018.

We invite applications from undergraduates from North America who are from underrepresented groups in Philosophy of Science: female, LGBTQ+, disabled, from racial and ethnic backgrounds, first-generation undergraduates, and other undergraduates from groups underrepresented in philosophy of science.

Exceptions may be granted to undergraduates not in these groups on a case-by-case basis (please explain your situation in your cover letter). Past coursework in philosophy of science is not a prerequisite for application to the Summer Program.

The Summer Program will feature two daily graduate seminars about core issues and cutting-edge topics in general philosophy of science and philosophy of the special sciences (e.g., physics, biology, cognitive science and neuroscience, social sciences). The seminars will be given by internationally recognized faculty in the Department of History and Philosophy of Science and the Department of Philosophy at the University of Pittsburgh as well as in the Department of Philosophy at Carnegie Mellon University.

Housing, meals, and transportation costs (US travel only) will be covered, and all course materials provided. Applications are due March 1, 2018 and participants will be notified by April 1, 2018.

To apply, please send a cover letter describing your interests in philosophy of science (including the philosophy of physics, biology, cognitive science, neuroscience, social sciences, etc.), include your post-graduation plans, and briefly indicate relevant demographic information (racial/ethnic heritage, gender, etc.); also, a CV (include college/university affiliation, major, GPA, high school, awards, and recognition, and any philosophy courses taken) to the following email address: [cjo13@pitt.edu](mailto:cjo13@pitt.edu).

A faculty member should also send separately a letter of recommendation on behalf of the applicant to the same email address: [cjo13@pitt.edu](mailto:cjo13@pitt.edu).

For further questions, please contact Edouard Machery ([machery@pitt.edu](mailto:machinery@pitt.edu)), the Center's Director, or Joyce McDonald ([pittcntr@pitt.edu](mailto:pittcntr@pitt.edu)).

Note: For those participants in the PSP2 program and other similar programs aimed at increasing diversity, the University of Pittsburgh

will waive the application fee to the graduate programs in the Department of History and Philosophy of Science ([www.hps.pitt.edu/graduate/admissions.php](http://www.hps.pitt.edu/graduate/admissions.php)), and in the Department of Philosophy ([www.philosophy.pitt.edu/application-instructions](http://www.philosophy.pitt.edu/application-instructions)).

## **Research Funding/Bourses de recherche**

### **Michele Aldrich History and Philosophy of Geology Student Research Award**

The History and Philosophy of Geology Division of the Geological Society of America is pleased to announce a new student research award.

The Michele Aldrich History and Philosophy of Geology Student Research Award will provide up to US \$4000 with supporting budget for travel/archival research in the history and philosophy of geology. The application deadline is 1 February 2018. Information, web links, and a Steps to Success PDF guide can be found on the award website:

<http://community.geosociety.org/histphldiv/awards/aldrich>

Students and recent graduates are eligible.

## **Call for Papers / Appels à contributions**

### **The Biology of Behaviour: Explanatory Pluralism across the Life Sciences a Special Issue of *Synthese***

Guest Editors: Christophe Malaterre (Université du Québec à Montréal) & Eric Muszynski (Université du Québec à Montréal)

*Synthese* invites submissions for a special issue on biological explanations of behaviour with an emphasis on questions pertaining to explanatory pluralism and integration. Contributions from philosophers, biologists, and other relevant

disciplines are encouraged.

Biologists explain the behaviour of organisms in a wide variety of ways, including by describing the underlying mechanisms, looking at adaptive value and evolutionary history, and many others. What does a purported plurality of explanatory types imply regarding the competition, collaboration or integration of the multiple explanations? These explanations furthermore are applied to many different types of entities, and at all levels, from single-celled organisms to plants, invertebrates, mammals, humans, groups, populations, and even ecosystems. Are all these uses coherent? Do the explanations apply in the same ways at all levels of organisation or is the widespread use of the term 'behaviour' a red herring? Underlying such inquiries are fundamental epistemological issues, such as the identification of better or worse explanations of behaviour in the biological sciences, whether various sub-disciplines use the same or different criteria for evaluating those explanations, and whether such explanations pave the way towards a more unified understanding of behaviour or, on the contrary, corroborate pluralistic stances.

Appropriate topics for submission include, among others:

- How various explanations of behaviour compete, collaborate, integrate or remain independent
- Whether or not biological explanations of behaviour are an example of explanatory pluralism
- Comparing and contrasting different explanations of behaviour
- How behaviour is defined, and the consequences thereof
- Explanations of behaviour which target specific levels of organisation or many, and the interactions among levels

Submitted papers must present original research that has not been published elsewhere and is not currently under review with any other journal. All submissions will be peer reviewed according to *Synthese*'s rules. All papers should be submitted specifically to the special issue "The Biology of Behaviour: Explanatory Pluralism

across the Life Sciences" ("BioBehaviour") via the online Editorial Manager (<http://www.editorialmanager.com/synt/default.aspx>). Instructions for authors are available here: <http://www.springer.com/philosophy/epistemology+and+philosophy+of+science/journal/11229>

For further information, please contact the guest editors:

[malaterre.christophe@uqam.ca](mailto:malaterre.christophe@uqam.ca)  
[muszynski.eric@courrier.uqam.ca](mailto:muszynski.eric@courrier.uqam.ca)

The deadline for submissions is June 10, 2018.

## **Research Network/Réseau de recherche**

### **Montreal Philosophy of Science Network/ Réseau montréalais en philosophie des sciences**

Le [Réseau montréalais en philosophie des sciences](#) vise à stimuler la réflexion et la recherche en philosophie des sciences à Montréal. Il réunit des professeurs, des chercheurs et des étudiants de la région montréalaise pour discuter de travaux en cours et de pistes de recherche, notamment autour de conférences données par des chercheurs de passage à Montréal. Les rencontres se tiennent en alternance aux départements de philosophie de l'Université du Québec à Montréal (Chaire de recherche du Canada en philosophie des sciences de la vie), de l'Université de Montréal, de Concordia University et de McGill University, en synergie avec le Centre interuniversitaire de recherche sur la science et la technologie (CIRST).

Le Réseau a récemment accueilli ou accueillera bientôt Anouk Barberousse (Université Paris Sorbonne), Kerry McKenzie (University of San Diego), Margaret Morrison (University of Toronto), Sorin Bangu (University of Bergen), Daniel Andler (Université Paris Sorbonne), Gillian Barker (The University of Western Ontario), Peter Galison (Harvard University), Martin Carrier (University of Bielefeld).

The [Montreal Philosophy of Science Network](#) intends to stimulate thinking and research in philosophy of science in Montréal. It gathers professors, researchers, and students of the broader Montreal region to discuss work in progress and avenues for research, in particular in conjunction with talks given by scholars traveling through Montréal. The meetings take place alternately at the philosophy departments of the Université du Québec à Montréal (Canada Research Chair in philosophy of the life sciences), Université de Montréal, Concordia University, and McGill University, in synergy with the Centre interuniversitaire de recherche sur la science et la technologie (CIRST).

The Network has recently hosted or will soon host talks by Anouk Barberousse (Université Paris Sorbonne), Kerry McKenzie (University of San Diego), Margaret Morrison (University of Toronto), Sorin Bangu (University of Bergen), Daniel Andler (Université Paris Sorbonne), Gillian Barker (The University of Western Ontario), Peter Galison (Harvard University), Martin Carrier (University of Bielefeld).

## On the Web/Sur le Web

Toward the end of 2017 [Psychology's Feminist Voices](#) based here at York launched a new blog: [Standpoints](#). The aim of Standpoints is to highlight the situated side of knowledge-making, to serve as a platform for the varied views of those working and thinking at the intersections of feminism, psychology, history, and science studies.

Please have a look and consider subscribing. We feature a variety of different types of posts, including (but not limited to):

- Research Reflections: posts discussing and reflecting on feminist research.
- Lab Notes: posts taking you into the laboratories of feminist psychologists.
- Behind the Scenes: posts taking you behind the scenes of events, projects, and more.

-- Connections: posts linking feminism, psychology, history with broader issues in the world today, including activist work.

New posts appear on Standpoints twice a month and we are currently featuring an additional monthly post as part of special series on life in a contemporary feminist psychology laboratory.

In addition to subscribing, with the new year upon us we are seeking additional contributors and would like to invite you and your students to write for the blog. Consider this an opportunity to share your work and insight with our extensive and diverse global audience of readers. Posts are generally in the 1,000 word range and we encourage the inclusion of media (photographs, video, etc.) whenever possible. You can explore our posts to date [here](#).

Please do be in touch if you are interested in writing for [Standpoints](#) and would like to discuss this opportunity further!

Jacy Young, Standpoints Blog Editor  
Email: [jacyleeyoung@gmail.com](mailto:jacyleeyoung@gmail.com)

Alexandra Rutherford, Psychology's Feminist Voices Project Director  
Email: [alexr@yorku.ca](mailto:alexr@yorku.ca)

## Member Updates/L'actualité de nos membres

**Geoff Bil** (History, University of British Columbia, BC)

Geoff successfully defended his PhD dissertation, "Indexing the Indigenous: Plants, Peoples and Empire in the Long Nineteenth Century," which analyzes the shift in European understandings of indigenous botanical knowledge from 1750 to 1910, with particular emphasis on Māori and Polynesian plant names. He has an article entitled "Imperial Vernacular: Phytonomy, Philology, and Disciplinarity in the Indo-Pacific, 1800-1900" forthcoming in the *British Journal for the History of Science*.

**Christopher Byrne** (Philosophy, St. Francis Xavier University, NS)

Christopher has a book, entitled *Aristotle's Science of Matter and Motion*, forthcoming with the University of Toronto Press in 2018. "Contrary to the way in which he is often portrayed in the history of science, Aristotle, Byrne argues, contributed to physics by offering a systematic account of matter, motion, and the basic causal powers found in all physical objects. He holds that all perceptible objects are ultimately made from physical stuff of one kind or another and that this matter is responsible for many of the basic features of perceptible objects, independent of their specific nature. For Aristotle, matter matters."

**Anjan Chakravartty** (Philosophy, Notre Dame, IN)

While on a Guggenheim Fellowship, Anjan completed his year as Senior Visiting Fellow at the Center for Philosophy of Science at the University of Pittsburgh, and spent part of the summer as Senior Visiting Fellow at the University of Edinburgh. Hot off the press is his *Scientific Ontology: Integrating Naturalized Metaphysics and Voluntarist Epistemology* (Oxford University Press, 2017), which gives an account of the relationship between conceptions of scientific knowledge and philosophy. In the fall of 2018 he will become the first Appignani Foundation Chair at the University of Miami, established to study "the methods and techniques of science, logic, and reason in dealing with questions of knowledge, ethics, politics, and social policy."

**François Claveau** (Chaire de recherche du Canada en épistémologie pratique, Université de Sherbrooke, QC)

Deux projets de livre ont occupé François en 2017. Premièrement, l'ouvrage collectif *Experts, sciences et sociétés*, codirigé avec Julien Prud'homme, paraîtra aux Presses de l'Université de Montréal en janvier 2018. Une forte proportion des collaborateurs à cet ouvrage sont membres du Centre interuniversitaire de recherche sur la

science et la technologie (CIRST). Deuxièmement, un ouvrage intitulé *Do Central Banks Serve the People?* et co-écrit avec Peter Dietsch et Clément Fontan sortira au courant de 2018 dans la collection *The Future of Capitalism* chez Polity. Du côté des articles, François a publié « *Causal Generalisations in Policy-oriented Economic Research: An Inferentialist Analysis* » (*International Studies in the Philosophy of Science*, avec Luis Mireles-Flores) et « *The Variety-of-Evidence Thesis: A Bayesian Exploration of its Surprising Failures* » (*Synthese*, avec Olivier Grenier). Côté ludique, une collection de *Microfiches sur les concepts économiques* est parue. Finalement, François signale que sa Chaire a lancé cet automne un cycle de conférences sur *L'éducation citoyenne aux controverses sociotechniques*.

**Mike Cuffaro** (Rotman Institute of Philosophy, Western Ontario, ON)

The volume that Mike has co-edited with Samuel Fletcher, *Physical Perspectives on Computation, Computational Perspectives on Physics*, is now officially in press and will be available through Cambridge University Press sometime in Spring or Summer 2018. More info is here: <http://www.michaelcuffaro.com/books.shtml>

**Lucia Dacome** (IHPST, University of Toronto, ON)

Lucia has recently published her book *Malleable Anatomies: Models, Makers and Material Culture in Eighteenth-Century Italy* with Oxford University Press (2017).

**Yvon Gauthier** (Philosophie, Université de Montréal, QC)

Yvon annonce la publication d'un ouvrage intitulé *Nouveaux Entretiens sur la pluralité des mondes. Essai de cosmologie sauvage à l'usage des profanes*, paru à l'automne 2017 en coédition aux Presses de l'Université Laval (Québec) et chez Hermann (Paris). Deux articles sont aussi prévus à l'automne : « *A Quadratic Reciprocity Theorem for Arithmetical Logic* » (*Logica Universalis*) et « *Arithmetical Logic for AI Deep Learning* »

(*International Journal of Soft Computing*).

**Yves Gingras** (Chaire de recherche du Canada en histoire et sociologie des sciences, Université du Québec à Montréal, QC)

En janvier 2018, Yves fait paraître un nouveau « Que-Sais-je? » aux PUF, sous le titre *Histoire des sciences*. C'est une tentative de répondre au défi de brosser un tableau général de l'histoire des sciences des babyloniens à nos jours en 128 pages, comme l'exige cette collection bien connue.

**Vincent Guillin** (Philosophie, Université du Québec à Montréal, QC)

Profitant de son sabbatique, Vincent complète un DESS en traduction à l'Université de Montréal. En 2017-8, Il a aussi publié une contribution intitulée « The French Influence » dans le *Companion to Mill* (Blackwell, 2017) dirigé par C. MacLeod et D. Miller, ainsi que plusieurs comptes rendus dans la *Revue philosophique de la France et de l'étranger* et le *Journal of the History of the Behavioural Sciences*. En mai 2018, il sera Professeur invité au Département de philosophie de l'Université Paris 1 Panthéon-Sorbonne.

En collaboration avec Alexandra Bacopoulos-Viau (McGill) et Sarah Arnaud (UQAM), Vincent organise la 3e édition de l'Atelier « Psyché », qui se tiendra à l'UQAM le 14 juin 2018, sur le thème du « spectre de l'anormal », avec comme conférencière plénière Marga Vicedo (IHPST, University of Toronto).

**Alexandre Klein** (Sciences historiques, Université Laval, QC)

En 2017, Alexandre a publié plusieurs articles, notamment dans le *Bulletin canadien d'histoire de la médecine* (« [Le mythe des deux solitudes. Des relations entre les psychiatres francophones et anglophones dans le Montréal des années 1950](#) ») et *Histoire, économie et société* (« [De la scientificité de la psychiatrie québécoise francophone. Étude des représentations de la santé mentale dans les revues médicales au Canada \(1948-1968\)](#) »), ainsi

que des contributions en ligne pour *Découvrir. Magazine de l'ACFAS* et *Histoire engagée*.

Organisateur d'un colloque sur « Les infirmières de la folie », dans le cadre du 85e congrès de l'ACFAS, à l'Université McGill, en 2017, Alexandre a présenté des communications au 17e Colloque Artefact (Université Laval, février 2017), au colloque Acteurs et mobilisations : militants, intellectuels, engagements et francophonies canadiennes (Université d'Ottawa, mars 2017), au 70e Congrès de l'Institut d'histoire de l'Amérique française (Montréal, mai 2017), au Congrès annuel de la Société canadienne d'histoire de la médecine (Toronto, mai 2017), au Colloque « Alfred Binet, expérimentateur » (Paris, octobre 2017), et à l'Institut Catholique de Paris (octobre 2017).

**Daryn Lehoux** (Classics, Queen's University, ON)

Daryn's book *Creatures Born of Mud and Slime: The Wonder and Complexity of Spontaneous Generation* was published last fall by Johns Hopkins University Press.

**Eleanor Louson** (STS, York University, ON)

Eleanor is starting a science communication specialist position at Michigan State University's [Hub for Innovation in Learning and Technology](#). Her article “[Taking Spectacle Seriously: Wildlife Film and the Legacy of Natural History Display](#)” (which was presented at the 2016 CSHPS meeting in Calgary) is forthcoming in the March 2018 issue of *Science in Context*.

**Jack J. McIntosh** (Philosophy, University of Calgary, AB)

Jack attended the ANZAMEMS (Australia and New Zealand Association for Medieval and Early Modern Studies) conference in Wellington, February 2017, during which he presented a paper on “[Conflict and Change in the Notion of Demonstration](#).” He also gave two other papers in early 2017: “[Boyle's 'failed' experiments: negative results, limited results, and real life catastrophes in Boyle's experimental work](#),”

(Institute for Advanced Studies in the Humanities, University of Queensland, Brisbane, March, 2017); and "Demonstration in the Early Modern Period," (CSHPS, Toronto, May, 2017).

Recent published papers by Jack, some of which appeared later than their dates, that may be of CSHPS interest include: "Robert Boyle," in *The Oxford Handbook of British Philosophy in the Seventeenth Century*, ed. P. Anstey (Oxford: Oxford University Press, 2013, 73-95); "Hooke's Mechanical Mind," in *Brain, Mind and Consciousness in the History of Neuroscience*, eds. C. Smith and H. Whitaker (Dordrecht: Springer, 2014, 59-73); "Theological and Scientific Applications of the Notion of Necessity in the Mediaeval and Early Modern Periods," in *Logical Modalities from Aristotle to Carnap*, edited M. Cresswell, A. Rini, and E. Mares (Cambridge: Cambridge University Press, 2016, 91-112); "Mechanism in the Early Modern Period," *Routledge Encyclopedia of Philosophy Online*, 2016; "Hunter's Multi-faceted Boyle," Essay review of Michael Hunter, Boyle Studies: Aspects of the Life and Thought of Robert Boyle (1627-91), *Metascience*, 26(2), 2017, 175-181.

In 2017, Jack published *The Arguments of Aquinas: A Philosophical View* (Abingdon & New York: Routledge), which may be of (some) interest to (some) CSHPS members since Part I (of 3), "Natural Philosophy," has chapters on "Necessity," "Causality," "Time and Motion", and "Time and Infinity."

**Pierre-Olivier Méthot** (Philosophie, Université Laval, QC)

Pierre-Olivier est désormais Professeur agrégé et Directeur des programmes de premier cycle à la *Faculté de philosophie de l'Université Laval* ainsi que rédacteur adjoint du *Bulletin d'histoire et d'épistémologie des sciences de la vie*.

**Elizabeth Neswald** (History, Brock University, ON)

Last year, Elizabeth's co-edited volume, *Setting Nutritional Standards: Theory, Policy, Practices*, came out with Boydell & Brewer in the "University of

Rochester Studies in the History of Medicine series." Elizabeth received a [Lemelson Center Travel to Collections Award](#) to visit the libraries of the Smithsonian Institution for work on the project "Material Cultures of Diabetes Management."

**John Percy** (Astronomy and Astrophysics, University of Toronto, ON)

Mostly in celebration of Canada 150, John gave eight presentations on Canada's/Toronto's astronomical achievements, 1867-2017, in Toronto libraries, to the Riverwood Conservancy (Mississauga), to the Riverdale Historical Society, to the Science Teachers Association of Ontario annual conference, and to an audience of several hundred at "Astronomy on Tap" in Toronto. He led two walking tours on the topic for Heritage Toronto, and created Canada 150 webpages for his [department](#), and for the [Dunlap Institute](#) at U. of T. He wrote informal articles for the [Journal](#) and the [Newsletter of the Royal Astronomical Society of Canada](#).

**Leslie Tomory** (History, McGill University, QC)

Leslie has published his second book in April 2017: *The History of the London Water Industry, 1580-1820* (Johns Hopkins University Press)

**Paul Thompson** (IHPST, University of Toronto, ON)

Paul's book, *Philosophy of Medicine: An Introduction* (co-authored with Ross Upshur) has been published by Routledge.

**Hasan Umut** (Institute of Islamic Studies, McGill University, QC)

A PhD candidate at McGill University, Hasan is working on a dissertation project entitled "Theoretical Astronomy in the Early Modern Ottoman Empire: 'Alī al-Qūshī's al-Fatiyya fi 'ilm al-hay' a." Last May at CSHPS, in Toronto, he presented a paper entitled " 'Alī al-Qūshī in Istanbul: Theoretical Astronomy in the Early Modern Ottoman Empire."

**Jaipreet Virdi** (History, University of Delaware, DE)

After completing a SSHRC Postdoctoral Fellowship at Brock University under the supervision of Elizabeth Neswald, Jai accepted a tenure-track position at the Department of History at the University of Delaware. In 2017, she published "Between Cure and Prosthetic: 'Good Fit' in Artificial Eardrums" in Claire L. Jones (ed.), *Rethinking Modern Prostheses in Anglo-American Commodity Cultures, 1820-1939* (Manchester University Press), and "Prevention & Conservation: Historicizing the Stigma of Hearing Loss, 1910-1940" in the *Journal of Law, Medicine and Ethics*. She has an article co-authored with Coreen McGuire, "Phyllis M. Tookey Kerridge and the Science of Audiometric Standardization in Britain," forthcoming in the March 2018 issue of *British Journal for the History of Science*.

## Reminders from the Website & Listerv Manager

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