

Brainstorm

Newsletter of the Canadian Neuroethics and Mental Health Interest Group
Bulletin du Groupe canadien d'intérêt en neuroéthique et santé mentale
Prepared by the Neuroethics Research Unit of the IRCM
Préparé par l'Unité de recherche en neuroéthique de l'IRCM



Events-Événements

**November 1st,
2014**
1^{er} novembre 2014

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Commanditaires:

**Fonds de la recherche
en santé
Québec**



Medicine, Nursing and Health Sciences

Neuroethics Down Under 2014

Neuroscience and Society in the 21st Century

School of Psychological Sciences

10-11th December 2014

**Melbourne Convention and
Exhibition Centre**
1 Convention Centre Place,
South Wharf VIC 3006

Neuroethics Down Under 2014 brings together leading Australian and International researchers and practitioners from psychology, neuroscience, psychiatry, neurology, philosophy, ethics, law and the social sciences.

Advances in neuroscience are set to transform our understanding of human cognition and behaviour. They may change how we treat people with behavioural or psychiatric disorders and challenge society's views of decision-making and judgments of moral responsibility.

Neuroethics Down Under 2014 addresses the ethical, legal and policy challenges that will accompany these changes:

- Will neurobiological explanations of mental illness reduce the stigma of mental illness and improve access to effective medical treatment?

- How will neuroscience change our judgments of moral or legal responsibility?
- Will neuroscience leave open the possibility of authentic and autonomous behaviour?
- How should society respond to the use of emerging neurotechnologies to modify cognition or predict behaviour?

Speakers Include:

- Professor Julian Savulescu (Oxford University)
- Professor Nick Haslam (University of Melbourne)
- Professor Catriona Mackenzie (Macquarie University)
- Professor Wayne Hall (University of Queensland)
- Professor Murat Yucel (Monash University)
- Professor Jeanette Kennett (Macquarie University)
- Professor Paul Fitzgerald (Monash University)
- Dr Christopher Ryan (University of Sydney)
- Associate Professor Cordella Fine (University of Melbourne)
- Dr Carsten Murawski (University of Melbourne)

For more information or to register visit the Centre of Excellence for Integrative Brain Function website:
www.cbf.edu.au/events/neuroethics-down-under-2014
or email Dr. Adrian Carter: adrian.carter@monash.edu





Profil/Profile

Nir Lipsman MD, PhD

Nir Lipsman is a neurosurgery resident and researcher at the University of Toronto. He completed his undergraduate degree in psychology at the University of Toronto followed by a medical degree at Queen's University. During his residency, Dr. Lipsman completed his PhD under the supervision of neurosurgeon Dr. Andres Lozano, investigating deep brain stimulation in patients with treatment-resistant anorexia nervosa.

Dr. Lipsman's academic and clinical interests are in neurosurgery for psychiatric disease, as well as elucidating the neural circuitry underlying these disorders. He has helped launch several Phase I to III clinical trials of deep brain stimulation in novel indications, including anorexia nervosa, bipolar disorder, major depression, obsessive-compulsive disorder, and Alzheimer's Disease.

Dr. Lipsman has published over 45 peer-reviewed papers, in the fields of clinical neurosurgery, neurophysiology, psychiatry and neuroethics and is currently a member of the World Society for Stereotactic and Functional Neurosurgery's (WSSFN) Working Group on Psychiatry Surgery. His neuroethics interests are in both the ethical implications of surgery for psychiatric disease, as well as how neuromodulation may influence our understanding of key ethical and philosophical principles, such as free will and decision-making.

STATEMENT ABOUT NEUROETHICS:

"I believe that neuroethics is one of the great unifiers in neuroscience. It's not possible, in other words, to do work in neuroscience today, whether molecular, clinical or epidemiologic, without due attention to the implications one's results may have to society and to a broader understanding of human behavior. Neuroethics, in many ways, is a systematic exploration of those implications."

REPRESENTATIVE PUBLICATIONS

Lipsman N, Sankar T, Downar J, Kennedy S, Lozano AM, Giacobbe P. Neuromodulation in Treatment Refractory Major Depression. *CMAJ* January 7, 2014 186:33-39

Lipsman N, Woodside DB, Giacobbe P, Hamani C, Carter JC, Norwood SJ, Sutandar K, Staab R, Elias G, Lyman CH, Smith GS, Lozano AM. Subcallosal cingulate deep brain stimulation for treatment-refractory anorexia nervosa: a phase 1 pilot trial. *Lancet*. 2013 Apr 20;381(9875):1361-70

Lipsman N, Glannon W. Brain Mind and Machine: What are the implications of deep brain stimulation for perceptions of personal identity, agency and free will? *Bioethics*. 2013 Nov;27(9):465-70.

Announcements-Annonces

Call for Abstracts: The Human Sciences after the Decade of the Brain – Perspectives on the Neuro-Turn in the Social Sciences and the Humanities

Mainz, Germany, March 30 – March 31, 2015

It is now almost 25 years since the U.S. Congress authorized the then president, George Bush sr., to proclaim the decade beginning January 1, 1990 as the Decade of the Brain. This proclamation stimulated a number of initiatives that substantially benefitted neuroscience research in the following years. Alongside this rise of neuroscience and the corresponding increase of public awareness, many disciplines in the humanities and social sciences have shifted towards more brain based and evolutionary informed approaches. New research fields such as Neuroethics, Neuroeconomics, Cognitive Cultural Studies, Neuroaesthetics or even Neurotheology have gained a following. In addition to surveying the mutual interactions between the cognitive neurosciences and the social sciences and humanities, this interdisciplinary symposium investigates the methodological and conceptual prospects and perils of choosing a neuroscience approach to the social sciences and the humanities. The symposium aims to shed light on a broad range of epistemological, historical and sociological questions about the purported neuro-turn in the social sciences and the humanities including (but not limited to):

- How and why have brain based approaches to the social sciences and humanities developed?
- What exactly distinguishes cognitive and brain based approaches from their traditional counterparts?
- How are brain-based sub-disciplines of the traditional humanities institutionalized?
- How does research policy contribute to the development of a neuro-turn in the social sciences and the humanities?
- Are there common motives for turning to cognitive neuroscience approaches in the different disciplines of social sciences and humanities? If so, which?
- Are there any historical examples of a turn to brain based approaches in the social sciences and the humanities?
- If so, what could be learned from this history for practicing social sciences and humanities today?
- What, if anything, can the humanities and the social sciences learn from the neurosciences?
- What, if anything, can the neurosciences learn from the social sciences and the humanities?
- How does neuroscience change the social sciences and the humanities?
- How do the humanities and the social sciences change neuroscience?

We invite submission of **abstracts of 300-500 words** from researchers in relevant disciplines such as history of science, science and technology studies, philosophy of science, philosophy of mind, cognitive neuroscience, psychology or any sub-discipline of the social sciences or the humanities, which approaches its subject from a cognitive science perspective.

Abstracts should be emailed to [leefmann\[at\]uni-mainz.de](mailto:leefmann@uni-mainz.de) by December 15, 2014. Applicants will be notified by mid-January 2015 whether their abstract has been accepted.

Call for Applicants: 2014-2015 Harkness Fellows in Health Care Policy and Practice

Every year, the Commonwealth Fund, in collaboration with CFHI, sponsors a Canadian to take part in the Commonwealth Fund's Harkness Fellowships in Health Care Policy and Practice, established in 1925. The program provides a unique opportunity for Canadian healthcare researchers and practitioners to spend up to 12 months in the United States, along with Harkness Fellows from Australia, France, Germany, the Netherlands, New Zealand, Norway, Sweden and the United Kingdom.

What it is: A fully-funded year in the United States to study healthcare delivery system reforms and critical health policy issues in both Canada and the U.S.

Who should apply: Mid-career Canadian professionals: academic researchers, government policy-makers, clinical leaders, senior hospital and insurance managers and journalists.

Deadline to apply: November 17, 2014 at 1:00 p.m. ET. For more information please see:

<http://www.commonwealthfund.org/grants-and-fellowships/fellowships/harkness-fellowships>

**Neuroethics Faculty Position Announcement:
Center for Ethics and Humanities in the Life Sciences
Michigan State University**

The Center for Ethics and Humanities in the Life Sciences at Michigan State University announces a faculty position in bioethics, with a specialization in neuroethics. This will be a tenure track, assistant professor, academic year (9 month) appointment. Salary will be competitive. The appointment will begin August 16, 2015. The successful applicant will devote 65% time to research and scholarship; 25% to teaching; and 10% to outreach.

Research will be primarily in the area of neuroethics. The individual will be expected to successfully pursue research collaborations, including projects with the potential for external funding, with faculty or clinicians in the Division of Clinical Neurosciences (<http://www.shmg.org/neuro>); The Department of Translational Science & Molecular Medicine (<http://translationalscience.msu.edu>), including its Translational Neuroscience Research Team (<http://translationalscience.msu.edu/research/researchmain.htm>); the Neuroscience Program (<http://neuroscience.msu.edu>); or others engaged in brain-based clinical research or treatment. Funds will be provided to support an active and productive research agenda.

Teaching will primarily be in courses led by the Center for Ethics and Humanities in the Life Sciences in MSU's College of Human Medicine and in relevant medical residency programs, with possibilities for teaching at the graduate level in departments appropriate to the individual's doctoral training. Outreach will take a variety of forms, including presentations to health professional and public audiences.

Applicants must have a Ph.D. or other terminal degree in a discipline relevant to bioethics scholarship, have an excellent scholarly record in neuroethics, and possess the ability to work collaboratively with those from other disciplines. Experience teaching bioethics to health professional students is highly desirable. We are particularly interested in candidates who will enhance faculty diversity and inclusion at Michigan State University.

Application submissions will begin in late October. Check bioethics.msu.edu for more information. For notification of the application start date, email your contact information to [Peggy Anderson, center@msu.edu](mailto:Peggy.Anderson@msu.edu). Review of applications will begin December 1, 2014 and will continue until the position is filled.

Candidates will need to provide the following:

A cover letter describing their interest and their qualifications, and that specifically describes the collaborative research opportunities the candidate would like to pursue at Michigan State University.

- A Curriculum Vitae
- A List of 3 referees with contact information.
- Two examples of the candidate's best recent written work, published or unpublished.

For additional information, please contact: Leonard M. Fleck, PhD, Professor (fleck@msu.edu)

Clinical Ethics Faculty Position Announcement: Center for Ethics and Humanities in the Life Sciences Michigan State University

The Center for Ethics and Humanities in the Life Sciences at Michigan State University announces a faculty position in bioethics, with a specialized focus in clinical ethics consultation. This will be a tenure track, academic year (9 month) appointment. Rank is assistant professor. Salary will be competitive. The appointment will begin August 16, 2015.

The successful applicant will devote 50% time to clinical ethics consultation related outreach activities, 30% time to research, and 20% time to teaching. Together with other Center for Ethics faculty, the individual will provide a variety of clinical ethics consultation services, including ethics consultation training workshops; case and policy consultation to hospitals and health systems around the state by videoconference and other means; and other education and training materials as needed to enhance the capacities of the ethics committees served by the Center for Ethics.

Other responsibilities include teaching in courses led by the Center for Ethics and Humanities in the Life Sciences in MSU's College of Human Medicine and in relevant medical residency programs, as well as an active research agenda resulting in publication in peer-reviewed venues. In the letter of interest applicants have an opportunity to address the three key areas of the position: 1) clinical ethics service, 2) teaching, and 3) research, including mention of potential collaborators and scholarly goals.

Applicants must have a Ph.D. or other terminal degree in a discipline relevant to bioethics scholarship, have experience in providing clinical ethics consultation services, and possess the entrepreneurial skills needed to assist with developing and sustaining a robust outreach program. We seek candidates who possess a high degree of integrity and effective interpersonal and communication skills. Experience teaching bioethics to health professional students is also desirable. We are particularly interested in candidates who will enhance faculty diversity and inclusion at Michigan State University.

Application submissions will begin in late October. Check bioethics.msu.edu for more information. For notification of the application start date, email your contact information to Peggy Anderson, center@msu.edu. Review of applications will begin December 1, 2014 and will continue until the position is filled.

Candidates will need to provide the following:

- A letter describing their interest and their qualifications
- A Curriculum Vitae
- A List of 3 referees with contact information
- Two examples of the candidate's best recent written work, published or unpublished

For additional information, please contact: Elizabeth (Libby) Bogdan-Lovis (bogdanlo@msu.edu)

International Workshop: Mental Causation: Old Problems, New Solutions?

KU Leuven, Institute of Philosophy, Center for Logic and Analytic Philosophy

November 20-21, 2014

The problem of mental causation goes back at least to Descartes. In contemporary debates, it most often appears in the guise of the causal exclusion problem, which is perhaps the most serious challenge to non-reductive theories of the mind. Simply put, the problem is this: How can mental properties have a genuine causal impact on physical behavior, if all physical occurrences have sufficient physical causes? In recent years, various philosophers have started questioning the premises and the underlying assumptions of the issue, such as the notion of causation that the argument for causal exclusion requires. This has opened up new possibilities of solving or avoiding the exclusion problem. In this workshop, we critically discuss these new proposals and look for new ways of accommodating mental causation into a physical world.

Participation is free. For registration, please send an email to: markus.eronen@hiw.kuleuven.be

More info and list of speakers: <http://hiw.kuleuven.be/claw/events/mentalcausation-workshop>

Philosophy of Neuroscience Faculty Position Announcement: Michigan State University

Michigan State University, East Lansing MI invites applications for a tenure-track, academic year position at the associate level in AOS: Philosophy of Neuroscience, AOC: Open. Appointment will be in the [Department of Philosophy](#) (PHL) in the College of Arts and Letters (51%) and History, Philosophy and Sociology of Science (HPS) in [Lyman Briggs College](#) (LBC) (49%).

PHL and LBC seek a philosopher of neuroscience whose research addresses the neurobiological basis of consciousness, the self, volition, decision-making, or learning. Research in this area may involve philosophical issues of artificial intelligence, neurobiology, or other related areas of brain science, especially with an evolutionary approach. Candidates must have a PhD in philosophy or a closely allied field with a specialization in the philosophy of neuroscience. The successful candidate will be equipped to engage in interdisciplinary research collaboration with neuroscientists, have outstanding potential to secure external funding, a solid record of publication in philosophy, and the ability to make contributions to the philosophy curriculum at both the graduate and undergraduate levels. Applicants should be passionate about teaching and experienced in using active and cooperative pedagogies in the classroom. The annual teaching expectation will be two courses in PHL, at the undergraduate or graduate levels, as well as two small, undergraduate science studies courses (15-30 students) in LBC. Full time, academic year. Some thesis supervision. Usual non-teaching duties. Some summer work available. Preferred starting date: August 16, 2015. Salary, benefits, and start-up support are competitive.

This position is listed on the MSU Applicant Page, posting #0216. Applications must be uploaded to MSU's online job application site (<http://jobs.msu.edu>), and should include a cover letter, CV, teaching portfolio, writing sample, and statement of research interests. For teaching portfolio details see www.lymanbriggs.msu.edu/faculty/openPositions.cfm. In addition, at least three letters of recommendation addressing the candidate's research and teaching must be sent electronically by the recommenders through the application system. Complete applications should be received by November 15, 2014, but review of applications will continue until the position is filled.

Questions regarding this position may be directed to: Dr. Michael O'Rourke, Chair, Philosophy of Neuroscience Search, orourk51@msu.edu.

New Resource: Family Experiences and Minimally Conscious States

New from award-winning website healthtalk.org, research by Professor Jenny Kitinger (Cardiff University) and Professor Celia Kitinger (University of York). Families share their experiences of having a relative in a long-term 'coma': www.healthtalk.org/peoples-experiences/nerve-brain.

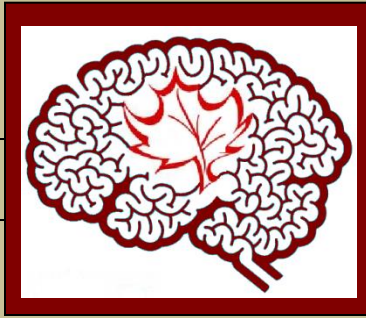
Find out about issues such as:

- Critical care: Treatment decisions in the Intensive Care Unit
- Longer term care: Rehabilitation and care centers – Recovery – A 'permanent' diagnosis – Hospital re-admissions
- Impact on family and friends: Hope – Grief – Impact of visiting – Impact on children – Family unity and differences – Reflections on own end of life wishes
- Ongoing decisions: Resuscitation – Treatment of infections – Artificial nutrition and hydration
- Death and dying: Repeated life-threatening incidents – Bereavement after severe brain injury

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Events- Événements



MONTREAL NEUROETHICS CONFERENCE FOR YOUNG RESEARCHERS save the date!

The Montreal Neuroethics Network (MNN) is pleased to announce the upcoming **“Montreal Neuroethics Conference for Young Researchers”**

ON APRIL 17th, 2015

KEYNOTE LECTURE:

“The neurobiology of morality” by Dr. James Blair, National Institutes of Health, Unit on Affective Cognitive Neuroscience

This one-day conference is aimed at international young researchers, trainees, and students from all fields interested in neuroethics. Attendees will have the opportunity to present their own work as well as to attend panels hosted by leading researchers in the field. We will be hosting an essay competition in which five winning papers will be selected as candidates for fast-tracked publication in a special issue of the journal *Neuroethics*. Additionally, up to twenty-five abstracts of the highest quality will be considered for publication in *Neuroethics*. A limited number of travel awards will be granted to successful applicants.

AWARDS:

- Five essay submissions will be chosen to give oral presentations at the conference and considered for publication in the journal *Neuroethics*.
- Three prizes will be awarded for the best essays (\$500, \$250, and \$150).
- One prize will be given for the best poster presentation (\$100).
- Additionally, a limited number of travel bursaries will be given to participants based on significance, need, and distance (separate application will be required).

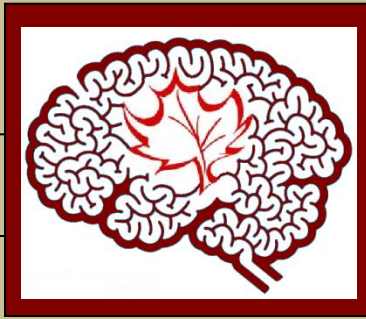
Information regarding essay and abstract submission will be circulated soon and available on our website <http://www.ircm.qc.ca/neuroethics/en>. Should you wish to contact us, please send us a message at neuroethics@ircm.qc.ca



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Activities for

Fall 2014

organized by
The
Montreal
Neuroethics Network

The Montreal Neuroethics Network promotes neuroethics training, education and dialogue by exposing various audiences to neuroethics issues; fostering collaboration and mutual learning; and ensure Montreal's leadership in addressing ethical and social issues in neuroscience and healthcare delivery through inter-institutional collaborations.

For additional information, email:
neuroethics@ircm.qc.ca

The Montréal Neuroethics Network Activities Fall
2014

Le Réseau Neuroéthique de Montréal Activités de
Neuroéthique l'automne 2014

“The Physiology of Voluntary Movement and
Implications for the Free Will Debate”

Mark Hallett, M.D., National Institutes of Health,
United States

Tuesday, November 11th, 12:00pm-1:00 pm

110, avenue des Pins Ouest Room André-Barbeau,
Institut de recherches cliniques de Montréal (IRCM)

Is
“‘Moral Reasoning’ Still a Viable Objective in
Professional and Applied Ethics Education? A
Review of Recent Cognitive Science of Morality”

Bruce Maxwell, Ph.D., Université du Québec à Trois-
Rivières, Canada

Thursday, December 11th, 12:00am-13:00pm

110, avenue des Pins Ouest Room André-Barbeau,
Institut de recherches cliniques de Montréal (IRCM)

*All are welcome but please note that there are
required readings for most seminars and limited
spaces. Please RSVP*

*to Veljko.dubljevic@ircm.qc.ca to obtain the
readings for each seminar.*

*Tous sont les bienvenus mais veuillez s.v.p.
prendre note qu'il y a des lectures obligatoires
pour la plupart des séminaires et des places
limitées. Veuillez-vous inscrire
auprès Veljko.dubljevic@ircm.qc.ca pour obtenir
les lectures for chacun des séminaires.*

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Literature-Littérature

ARTICLES

[Areas of persisting controversy in brain death](#)

Bernat JL, Larriviere D. Neurology. 2014 Oct 14; 83(16): 1394-5.

[Mental health: Tailor informed-consent processes.](#)

Ruiz-Casares M. Nature. 2014 Sep 18; 513(7518): 304.

[Proceed with Caution: Off-label Ketamine Treatment for Major Depressive Disorder.](#)

Sisti D, Segal AG, Thase ME. Curr Psychiatry Rep. 2014 Dec; 16(12): 527.

[Neuroreductionism about Sex and Love.](#)

Savulescu J, Earp BD. Think (Lond). 2014 Fall; 13(38): 7-12.

[Antipsychotic treatment for children and adolescents with schizophrenia spectrum disorders: protocol for a network meta-analysis of randomised trials.](#)

Pagsberg AK, Tarp S, Glintborg D, Stenstrøm AD, Fink-Jensen A, Correll CU, Christensen R. BMJ Open. 2014 Oct 10; 4(10): e005708.

[Letter to the Editor: Suicidal ideation and research ethics committees.](#)

Hubbeling D. Psychol Med. 2014 Oct 8; 1. [Epub ahead of print]

[The road being paved to neuroethics: A path leading to bioethics or to neuroscience medical ethics?](#)

Faria MA Jr. Surg Neurol Int. 2014 Oct 7; 5: 146.

[Psychosurgery: past, present, and future, including prefrontal lobotomy and Connecticut's contribution.](#)

Nijensohn DE, Goodrich I. Conn Med. 2014 Sep; 78(8): 453-63.

[Portrayal of youth suicide in canadian news.](#)

Easson A, Agarwal A, Duda S, Bennett K. J Can Acad Child Adolesc Psychiatry. 2014 Sep;23(3):167-73.

[Perceived coercion in voluntary hospital admission.](#)

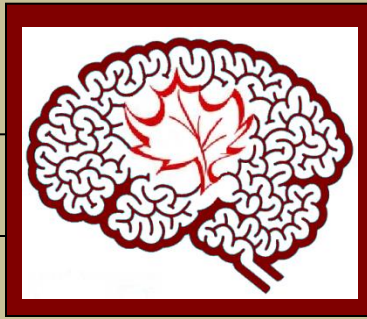
O'Donoghue B, Roche E, Shannon S, Lyne J, Madigan K, Feeney L. Psychiatry Res. 2014 Jan 30; 215(1): 120-6. Epub 2013 Oct 28.

[Ethical dilemma in consultation-liaison psychiatry.](#)

Mohan I, Wendelborn K, Politis B. Aust N Z J Psychiatry. 2014 Mar; 48(3): 291-2. Epub 2013 Sep 24.

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Literature-Littérature

Religious conflicts of interest.

Cantor CH. Aust N Z J Psychiatry. 2014 Mar; 48(3): 293.

[Neuroethics (I): moral pathways in normal brain].

Álvaro-González LC. Rev Neurol. 2014 Mar 1; 58(5): 225-33. Spanish.

Human-subjects research: The ethics squad. Bioethicists are setting up consultancies for research — but some scientists question whether they are needed.

Dolgin E. Nature. 2014 Oct 21; 514(7523): 418-20.

Reproductive issues in women with multiple sclerosis: ethical considerations.

Morgan-Followell BN, Nicholas JA, Weisleder P. Continuum (Minneapolis, Minn). 2014 Feb; 20(1 Neurology of Pregnancy): 177-80.

[Dutch newspaper coverage of neuroscience].

van Atteveldt N, van Aalderen-Smeets SI, Jacobi C, Ruigrok N. Ned Tijdschr Geneeskd. 2014; 158(0): A8324. Dutch.

Naturally Occurring Peer Support through Social Media: The Experiences of Individuals with Severe Mental Illness Using YouTube.

Naslund JA, Grande SW, Aschbrenner KA, Elwyn G. PLoS One. 2014 Oct 15; 9(10): e110171.

[Ethics and solitary confinement in psychiatry].

Andrieu JP. Soins Psychiatr. 2014 Sep-Oct; (294): 16-20. French.

NEWS AND SOCIAL MEDIA

How neuroscience is being used to spread quackery in business and education

Wall M. The Conversation. Aug 26, 2014.

Is there benefit to adding psychotherapy to antidepressants?

Coyne J. Mind The Brain. Oct 15, 2014.

Paralyzed man Darek Fidyka walks after cell transplant, rehab

CBC News. Oct 21, 2014.

Brain games exploit anxieties about memory loss for profit – scientists

Ghorayshi A. The Guardian. Oct 23, 2014.

Oppression, Mental Health, and the House Science Committee

Lende D. Neuroanthropology. Oct 23, 2014.

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Resources-Ressources

University of British Columbia, National Core for Neuroethics
www.neuroethicscanada.ca

Neuroethics at the University of Pennsylvania
<http://neuroethics.upenn.edu/>

International Neuroethics Society
<http://www.neuroethicssociety.org/>

Neuroethics Research Unit / L'Unité de recherche en neuroéthique
www.ircm.qc.ca/neuroethics/en

Journal of Ethics in Mental Health
www.jemh.ca

Novel Techethics
www.noveltechethics.ca

Neuroethics at the Stanford Center for Biomedical Ethics
<http://neuroethics.stanford.edu/>

Berman Institute of Bioethics' Program in Ethics and Brain Sciences
www.bioethicsinstitute.org/neuroethics

Centre interfacultaire en bioéthique et sciences humaines en médecine
<http://www.unige.ch/medecine/ib/accueil.html>

The Neuroethics Blog
www.theneuroethicsblog.com

Emory Program in Neuroethics
ethics.emory.edu/neuroethics

American Journal of Bioethics Neuroscience
www.ajobneuroscience.com

Neuroethics Women (NEW) Leaders
<http://neuroethicswomenleaders.com/>

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Si vous souhaitez ne plus recevoir ce bulletin, veuillez écrire un courriel à neuroethics@ircm.qc.ca avec le titre « Enlever Bulletin » comme sujet.

Contributions

If you would like to post any events, letters, articles or news of interest please contact us at neuroethics@ircm.qc.ca

Si vous souhaitez afficher un événement, une lettre, un article ou une nouvelle d'intérêt, veuillez nous contacter à l'adresse suivante:
neuroethics@ircm.qc.ca