

Brainstorm

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



May 1, 2010
1^{er} mai 2010

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Editorial team

Équipe éditoriale

Emily Bell, PhD, Co-editor

Cynthia Forlini, Co-editor

Eric Racine, PhD, Editor

Sponsors:



Commanditaires:

Fonds de la recherche
en santé

Québec



Events-Événements

Reading Minds: the Science, not the Fiction April 2010

Can a scientist read your mind by scanning your brain? Only in the pages of science fiction. However, by combining advanced brain imaging techniques with computer software that can detect patterns of brain activity, neuroscientists are getting an unprecedented look into how the brain perceives, decides, and remembers. This fascinating area of research, which neuroscientists call brain decoding, may be useful in designing better prosthetics and communication devices for people who are paralyzed.

The ability to read people's thoughts has long been a popular theme in science fiction stories and movies. In the real world, such broad mind-reading powers are not possible. Yet, advances in brain imaging and computer technology are enabling scientists to decode brain activity patterns in ways that offer limited, but captivating, glimpses into what people perceive at a given moment in time. Using these new techniques to peer into the working brain, scientists are able to predict what images — or even short video clips — people are looking at or where people are as they navigate through a virtual environment.

As a result of this research, neuroscientists are not only learning about normal brain function, but also are developing better technologies to compensate for injury or illness.

Read the full issue online:

ABOUT BRAIN BRIEFINGS

Brain Briefings explain how neuroscience discoveries lead to clinical applications.

The series is published by the Society for Neuroscience during the academic year.

See archive for past issues.

Contact: publicinfo@sfn.org

http://www.sfn.org/index.aspx?pagename=brainBriefings_10_readingminds



Profil/ Profile

Michael Shevell (MD CM FRCPC)

Dr. Shevell is a pediatric neurologist at the Montreal Children's Hospital- McGill University Health Center, Director of its Division of Pediatric Neurology, a Professor (with Tenure) in the Departments of Neurology/Neurosurgery and Pediatrics at McGill University and an Associate Member of the School of Physical & Occupational Therapy. Board Certified in Neurology in Quebec, Canada and the United States, he also holds a subspecialty certification in Neurodevelopmental Disabilities. He has an active research program focusing on issues related to neonatal neurology, children with or at-risk for neurodevelopmental sequelae, in particular cerebral palsy, global developmental delay and developmental language impairment. He has presently over 150 peer-reviewed publications and 40 book chapters/invited papers published. He has edited or co-edited 4 monographs on topics related to child neurology (including Ethical Issues in Pediatric Neurology) and the recently published (2009) multi-authored textbook "Neurodevelopmental Disabilities: Clinical and Scientific Foundations". He was the lead author on the American Academy of Neurology/Child Neurology Society Practice Parameter on global developmental delay and co-author of its statement on cerebral palsy. A former President of Canadian Association of Child Neurology, he presently serves on the Executive Board of the International Child Neurology Association and has been Chair of the Ethics Committee of the Child Neurology Society for the past decade.

Dr. Shevell's specific interests in ethics concerns "doubly vulnerable" pediatric populations, specifically newborns at risk for considerable neurological sequelae that prompts the consideration of a withdrawal of acute care and children with neurodevelopmental disabilities. This interest focuses on issues related to clinical care, research involvement and the historical treatment of these "doubly vulnerable" populations.

Dr. Shevell's foresees the major challenge in neuroethics to be providing a framework for consistent compassionate decision making that incorporates a flexibility that respects both core human values and the diversity of socio-cultural perceptions and situations encountered in clinical practice.

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Announcements-annonces

CALL FOR PAPERS/ABSTRACTS

CALL FOR SUBMISSIONS: due May 1, 2010

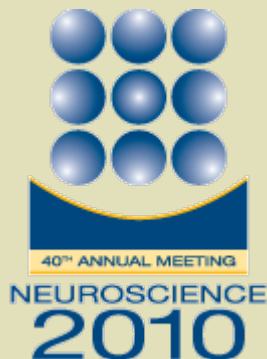
Special Issue of *Neuroethics*: Ethical Implications
of Deep Brain Stimulation

Guest Editor: Jens Clausen.

JOB POSTING

The National Core for Neuroethics is seeking a Postdoctoral or Masters level researcher to join its vibrant team at the University of British Columbia, in Vancouver, Canada, and help lead a new initiative at the interface of ethics and neuroscience, with a focus on neurodevelopmental disorders: Cerebral Palsy, Fetal Alcohol Spectrum Disorder and Autism Spectrum Disorder. The position will be in collaboration with the new National Centre for Excellence "NeuroDevNet" at UBC (<http://www.neurodevnet.ca/>) and the IRCM (<http://www.ircm.qc.ca/en>) in Montreal.

For more information, or to apply, please contact Ms. Altaira Northe at altaira.northe@ubc.ca.



**CALL FOR
ABSTRACTS:**

**Society for
Neuroscience
2010 Annual
Meeting
Nov 13-17, 2010
San Diego, CA**

Abstract competition
closes May 13th.
For more information
see:

[http://www.sfn.org/a
m2010/](http://www.sfn.org/am2010/)

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Announcements-annonces



CIHR launched its café scientifique program as an outreach initiative that would provide answers to questions of popular interest to the general public. As a result, over 240 CIHR Café Scientifiques events have been funded to provide educational and informal discussions regarding popular health topics. CIHR Cafés are typically held in bars or cafés, and involve a panel of experts who specialize in the topic at hand. The primary point of these events is accessibility: to be a member of the audience, you don't have to have a science degree. You need to be interested in learning and asking questions. Through its Café Scientifique program, CIHR organizes its own Café events but also establishes partnerships with non-profit organizations, universities, research centres, science centres and museums across Canada. If successful, these Café Scientifique partners can expect to receive **\$3,000 in funding** to host their own Café. Please note: these funds can be used to host more than one Café.

You must apply for funding using CIHR's ResearchNet website at www.cihr-irsc.gc.ca/e/193.html. Click on "Find Funding" on the left navigation, and then go to the "Other" section of funding opportunities. CIHR's Café Scientifique Program will be listed there. The deadline for applications is **midnight, June 25, 2010**. For questions or further information, please contact:

Peter Maitland Canadian Institutes of Health Research
160 Elgin Street, 9th Floor Address Locator 4809A Ottawa ON K1A 0W9
peter.maitland@cihr-irsc.gc.ca

All submissions will be evaluated by a CIHR-appointed jury and decisions will be announced at the beginning of September 2010.

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Announcements-annonces



Les IRSC ont lancé leur programme des cafés scientifiques en vue de sensibiliser le grand public et de répondre aux questions de santé qu'il se pose. Plus de 240 cafés scientifiques des IRSC ont été financés afin de tenir des discussions informelles mais éducatives sur des sujets de santé d'intérêt populaire. Les cafés scientifiques ont lieu dans des bars ou des cafés et font appel à un groupe de chercheurs qui sont des experts du domaine à l'étude. Ce qui caractérise ces cafés, c'est leur accessibilité : pour faire partie de l'auditoire, vous n'avez pas à détenir un diplôme en sciences, il vous suffit de vouloir apprendre et poser des questions. Dans le cadre de leur Programme des cafés scientifiques, les IRSC organisent leurs propres cafés, mais ils établissent également des partenariats avec des organismes sans but lucratif, des universités, des centres de recherche, des centres de sciences et des musées dans tout le Canada. Les partenaires dont la candidature est retenue peuvent recevoir **3 000 \$** chacun pour tenir leur café. Veuillez noter que ces fonds peuvent servir à la tenue de plus d'un café.

Pour obtenir des fonds, vous devez présenter une demande sur le site Web RechercheNet des IRSC, à l'adresse www.irsc-cihr.gc.ca/f/193.html. Dans ce site, cliquez sur « Trouver du financement » dans le menu de navigation à gauche, puis rendez-vous à la section « Autre » des possibilités de financement. Le programme Café scientifique des IRSC y sera affiché. La date limite pour la présentation des demandes est le **25 juin 2010, à minuit**. Pour toute question ou pour de plus amples renseignements, communiquer avec :

Peter Maitland
Instituts de recherche en santé du Canada
160, rue Elgin, 9e étage
Indice de l'adresse : 4809A
Ottawa (Ontario) K1A 0W9
peter.maitland@irsc-cihr.gc.ca
Toutes les demandes seront évaluées par un jury
nommé par les IRSC et les décisions seront

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Announcements-annonces



**Postdoctoral Fellow in Neuroethics
States of Mind NET, Canadian Institutes of Health Research (CIHR)
and
Neuroethics Research Unit
Institut de recherches cliniques de Montréal, IRCM
Opportunity**

We are seeking a Postdoctoral Fellow to join the Neuroethics Research Unit (www.ircm.qc.ca/neuroethics/en/) to contribute to research in neuroethics. The candidate will be expected to conduct both independent and collaborative research that bridge research interests of the States of Mind Network (e.g., identity, free will, harms and benefits; please consult www.noveltechethics.ca/index.php) and the areas of focus of the Neuroethics Research Unit (www.ircm.qc.ca/neuroethics/en/). The candidate will also help with the preparation of an international conference, Brain Matters II, which will follow Brain Matters hosted by Dalhousie University in 2009. This position, funded by the Canadian Institutes of Health Research, will provide an exciting opportunity to examine issues at the intersection of neuroscience and bioethics in an engaging and dynamic research network. This is a 12 month position with possible renewal and fellowship stipends and conditions will abide by the policies of CIHR.

Requirements

- Interest in pursuing empirical and/or theoretical research in neuroethics
- Excellent communication and interpersonal skills
- Ph.D. training in bioethics/humanities or social science or neuroscience
- Publication and scientific communication experience
- Interdisciplinary teamwork experience an asset

Responsibilities of the fellow will include the review and critique of relevant scientific, clinical, philosophical, legal, and/or ethical literatures, as well as the development and elucidation of new perspectives and approaches. The candidate is expected to publish his/her research in relevant peer-reviewed journals and to present his/her research at national meetings. The candidate may co-author papers and policy recommendations with team members.

Deadlines

Position remains open until filled.
Start date: as soon as May 1, 2010.

Applications

Submit by email a CV, a cover letter describing your experience and research you would propose to conduct independently and collaboratively, a writing sample, and two reference letters to: Eric Racine, Ph.D., Director, Neuroethics Research Unit (eric.racine@ircm.qc.ca). Only those selected for an interview will be contacted.

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Postdoctoral Research Fellow in Neuroethics National Core for Neuroethics at the University of British Columbia Vancouver, Canada

An Opportunity for Innovative Leadership in Neuroethics and Neuroimaging

A position is available for an outstanding Postdoctoral Research Fellow to provide innovative leadership of the Core's grants and related research on ethical, legal and social issues in advanced neuroimaging. The incumbent will help direct and participate in: analysis and interpretation of data about neuroimaging practice patterns in research and medicine; new data collection; continuing grant conceptualization, writing, and submission; manuscript writing; workshop and seminar development and teaching; presentations at national and international meetings; development and execution of independent research; and other scholarly activity related to neuroimaging and neuroethics initiatives at the Core.

The successful applicant will have a PhD or equivalent degree, relevant research experience in a discipline related to neuroethics, and some training in neuroscience.

The Environment

The ***National Core for Neuroethics*** is situated within the Division of Neurology, Department of Medicine at UBC, and is closely affiliated with the Brain Research Centre. We are a vibrant, multidisciplinary research team devoted to scholarly exploration of ethical issues at the leading edge of neuroscience. We value integrity, enthusiasm, and quality scholarship. The position is available immediately and will remain open until filled.

Please send a statement of interest, CV, and the names of three referees to:

Ms. Altaira Northe, Administrative Coordinator

National Core for Neuroethics: [altaira.northe\[at\]ubc.ca](mailto:altaira.northe@ubc.ca)

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Events-Événements

Expanding the Frontiers of

NEUROETHICS

*An intensive workshop
on the moral, social and legal issues
arising from novel brain research*

TOPICS

- ✓ **APPLIED NEUROETHICS** - Ethical questions that arise from neuroscientific and neurotechnological advances
- ✓ **FUNDAMENTAL NEUROETHICS** - How knowledge of the brain's functional architecture can deepen our understanding of human thought
- ✓ **CLINICAL PERSPECTIVES** - To what extent a patient with a neuro-degenerative disorder suffers from reduced capacity for decision-making
- ✓ **CULTURAL RELATIVISM IN NEUROETHICS** - How different countries prioritize different aspects of neuroscience and brain research

WHO SHOULD ATTEND?

Ethics Committee Members, Patient Advocates, Clinical Investigators, Scientists, Lawyers, and those interested in moral, social, and legal issues emerging from neuroscience and related technologies.

ORGANIZED BY

FUNDACIÓN
CRIMSON



UPPSALA
UNIVERSITET

NOVEMBER 22-26, 2010
FUNDACIÓN CRIMSON
Buenos Aires, Argentina

FACULTY

JEAN-PIERRE CHANGEUX
*Collège de France / Institut Pasteur,
France*

KATHINKA EVERS
Uppsala University, Sweden

VALERIA DELLA MAGGIORE
Universidad de Buenos Aires, Argentina

FACUNDO MANES
*Instituto de Neurología Cognitiva,
Argentina*

ARLEEN SALLES
*Centro de Investigaciones Filosóficas,
Argentina*

TERESA TORRALVA
*Instituto de Neurología Cognitiva,
Argentina*

BRUNO WICKER
*Mediterranean Institute of Cognitive
Neurosciences, France*

REGISTRATION

www.fundacioncrimson.org/neuro_application

✉ neuro10@fundacioncrimson.org | ☎ +54.11.4704.9208

Application Deadline: 12 NOV 2010 (Rolling Application)

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Events-Événements

COURS D'ÉTÉ OFFERT PAR
LES PROGRAMMES DE BIOÉTHIQUE
DE L'UNIVERSITÉ DE MONTRÉAL

INTRODUCTION À LA NEUROÉTHIQUE (BIE 6007)

RESPONSABLE DU COURS

Eric Racine, Ph.D.

CONFÉRENCIERS INVITÉS*

Emily Bell, PhD

Paola Diadori, MD,

Cynthia Forlini, MA, Candidate au PhD

Ghislaine Mathieu, MA, Candidate au PhD

Annie Rochette, PhD

Catherine Rodrigue, Candidate à la maîtrise

Michael Shevell, MD

PRINCIPAUX THÈMES DU COURS

Nature et fondements de la neuroéthique

Amélioration des performances cognitives et neuropharmacologie

Éthique et fin de vie pour les patients neurologiques

Représentations sociales des neurosciences

L'histoire des neurosciences du point de vue de l'éthique

Éthique et usage de la neuroimagerie et de la neurochirurgie

Politiques de santé mentale et allocation des ressources

Relation esprit-cerveau et le défi du réductionnisme scientifique

OBJECTIFS

Situer la neuroéthique dans le développement de la bioéthique et des neurosciences

Comprendre certains des principaux enjeux éthiques soulevés par les neurosciences

Analyser les défis et identifier des solutions face à l'utilisation éthique des neurosciences

MARDI ET VENDREDI

13H00 À 16H00, 4 MAI AU 22 JUIN 2010

SALLE ANDRÉ-BARBEAU

INSTITUT DE RECHERCHES CLINIQUES DE MONTRÉAL

INSCRIPTIONS

Limitées à 12 étudiant(e)s

Contactez Mme Maryse Tremblay

Département de médecine sociale et préventive, Université de Montréal

Tél.: (514) 343-5652, maryse.tremblay@umontreal.ca

ou Eric Racine (eric.racine@ircm.qc.ca)

*Le séminaire comprend quelques conférences invitées en anglais (approximativement trois). La plupart des lectures seront en anglais.

Université 
de Montréal


INSTITUT DE RECHERCHES CLINIQUES DE MONTRÉAL

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Events-Événements



**Neuroethics
Research Unit
Hosts Visiting
Researcher:**

**Katja Kuehlmeier
Psychologist,
Research Associate
Interdisciplinary
Centre for Palliative
Medicine
Munich University
Hospital, Germany**

**"Family perspective
on the persistent
vegetative state
-First results of a
German interview
study"**

**Wednesday, May
19th, 11:30am -
12:30pm
Institut de
recherches
cliniques de
Montréal (IRCM)
Room 255, IRCM
110 Avenue des
Pins Ouest**

EVENTS

May 6, 2010

UPenn Public Talk Seminar Series: Dr. Joseph Fins, MD,
"Deep brain stimulation and the scientific commons"

Silverman Hall 245A (3400 Chestnut), University of
Pennsylvania, Philadelphia, PA

<http://neuroethics.upenn.edu>

May 11-14, 2010

6th International Conference on Clinical Ethics
Consultation

Providence Center for Health Care Ethics and the City of
Portland Oregon, OR

http://www.providence.org/oregon/programs_and_services/ethics/intlconf2010.htm

May 12, 2010

First Annual Wellcome Lecture: Professor Steven Hyman
(Provost, Harvard University)

*"Meditations on Self-Control: Lessons from the Neurobiology of
Addiction."*

University Museum of Natural History, Parks Road,
Oxford, UK

May 13-14, 2010

The Mechanisms of Self-Control: Lessons from Addiction
University of Oxford, UK

<http://www.neuroethics.ox.ac.uk/>

May 13-15, 2010

JEMH Conference on Ethics in Mental Health

Theme: "Running the Moral Rapids"

Hosted by the Journal of Ethics and Mental Health in
association with McMaster University

Peterborough, ON

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Events-Événements



21st Canadian Bioethics Society Annual Conference

**The theme of the
2010 Canadian
Bioethics Society
conference is
"Voices of
Communities"
focusing on voices
of patients and
families, voices of
professionals and
voices of the
vulnerable.**

**Date: June 9-12,
2010**

**Location: Kelowna,
BC, Canada
For more
information:**

<http://en.cbskelowna2010.ca/>

EVENTS

May 21-22, 2010

Disability and Ethics through the Life Cycle: Cases, Controversies, and Finding Common Ground
Union College, Schenectady, NY

July 19-30, 2010

The Summer Institute in Cultural Neuroscience
University of Michigan in Ann Arbor, MI

<http://culturalneuroscience.isr.umich.edu/home.htm>

July 23-25, 2010

Penn Clinical Conference on Neuroscience and Society
University of Pennsylvania, Philadelphia, PA

<http://neuroethics.upenn.edu/index.php/events/clinical-conference>

July 28-31, 2010

10th World Congress of Bioethics
Theme: Bioethics in a Globalised World
Suntec, Singapore

<http://www.bioethics-singapore.org/wcb2010/>

Sept 2-4, 2010

Neuro2010 Conference
Kobe, Japan

<http://www.neuro2010.org/neuro2010-eng/information/index.html>

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Events-Événements

SUMMER SCHOOL ON HEALTH LAW 2010

The 2010 Summer School of the Erasmus Observatory on Health Law, will take place in Rotterdam, 5-16 July 2010.

We are accepting application forms and advise early submissions as places are limited.



Preliminary program

First Week:

5th of July : **Human Rights & Health**

6th of July : **Pharmaceuticals: Essential medicine**

7th of July : **Human Rights & Health**

8th – 9th of July : **Health Ethics & Law**

Second week:

12th – 13th of July : **Sexual & Reproductive Health**

14th of July : **Healthcare Rationing**

15th – 16th of July : **Public Health**

For information please contact:

<http://www.erasmusobservatoryonhealthlaw.nl/registration/>



13th annual Sandra Goldberg Lecture
Palliative Care:
Shedding light on euthanasia

Kathleen M. Foley, MD

Professor of Neurology,
Neuroscience and Clinical
Pharmacology
Weill Medical
College, Cornell
University
and
Attending
Neurologist, Pain
and Palliative Care
Service
Memorial Sloan-
Kettering Cancer
Centre

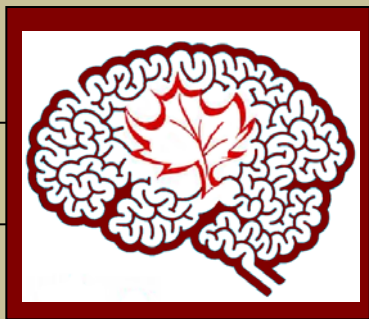
**Tuesday, May 4,
5:30 pm**

**Pollack Hall
McGill University
555 Sherbrooke
Street West**

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Literature-Littérature



BOOKS AND BOOK REVIEWS

Sleep Disorders: Diagnosis and Therapeutics

Rosen D. JAMA. 2010; 303:1543-1544.

ARTICLES

A systematic review of clinical trials of pharmacological interventions for acute ischaemic stroke (1955-2008) that were completed, but not published in full

Gibson LM, Brazzelli M, Thomas BM, Sandercock PA. Trials. 2010 Apr 22;11(1):43.

Cosmetic neurology: Sliding down the slippery slope?

Launis V. Camb Q Healthc Ethics. 2010 Apr;19(2):218-29.

Moral responsibility and mental illness: A case study

Broome MR, Bortolotti L, Mameli M. Camb Q Healthc Ethics. 2010 Apr;19(2):179-87.

Reviewing autonomy: Implications of the neurosciences and the free will debate for the principle of respect for the patient's autonomy

Müller S, Walter H. Camb Q Healthc Ethics. 2010 Apr;19(2):205-17.

Rationality, responsibility, and brain function

Buller T. Camb Q Healthc Ethics. 2010 Apr;19(2):196-204.

Neuroimaging, uncertainty, and the problem of dispositions

Arnason G. Camb Q Healthc Ethics. 2010 Apr;19(2):188-95.

Participants' perceptions of motivation, randomisation and withdrawal in a randomised controlled trial of interventions for prevention of depression

Grant JB, Mackinnon AJ, Christensen H, Walker J. J Med Ethics. 2009 Dec;35(12):768-73.

Advance directives in dementia: issues of validity and effectiveness

de Boer ME, Hertogh CM, Dröes RM, Jonker C, Eefsting JA. Int Psychogeriatr. 2010 Mar;22(2):201-8. Epub 2009 Aug 10



Ethical dilemmas in the care of people with dementia

Hope T. Br J Community Nurs. 2009 Dec;14(12):548-50.

Ethical conflicts over the management of transsexual adolescents--report of two cases

Baltieri DA, Prado Cortez FC, de Andrade AG. J Sex Med. 2009 Nov;6(11):3214-20. Epub 2009 Jul 28.

Neural evidence for inequality-averse social preferences

Tricomi E, Rangel A, Camerer CF, O'Doherty JP. Nature. 2010 Feb 25;463(7284):1089-91.

A functional imaging investigation of moral deliberation and moral intuition

Harenski CL, Antonenko O, Shane MS, Kiehl KA. Neuroimage. 2010 Feb 1;49(3):2707-16.

Obama Picks Pragmatists for New Bioethics Panel

Holden C. *Science* 2010; 328:291

Robot-assisted therapy for long-term upper-limb impairment after stroke

Lo AC et al. NEJM online first :

<http://content.nejm.org/cgi/content/full/NEJMoa0911341?query=OF>

Brain repair after stroke

Steven C. Cramer SC. NEJM online first:

<http://content.nejm.org/cgi/content/full/NEJMe1003399?query=OF>

Local institutional review board (IRB) review of a multicenter trial: local costs without local context

Ravina B, Deuel L, Siderowf A, Dorsey ER. Ann Neurol. 2010 Feb;67(2):258-60.

Death knocks, professional practice, and the public good: The media experience of suicide reporting in New Zealand

Collings SC, Kemp CG. Soc Sci Med. 2010 Mar 24. [Epub ahead of print]

Policy statement--Alcohol use by youth and adolescents: A pediatric concern

Committee on Substance Abuse. Pediatrics. 2010 Apr 12. [Epub ahead of print]

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Literature-Littérature



Turkish nurses' decision making in the distribution of intensive care beds

Ersoy N, Akpinar A. *Nurs Ethics*. 2010 Jan;17(1):87-98.

Spoken language development in children following cochlear implantation

John K. Niparko JK et al. for the CDaCI Investigative Team. *JAMA*. 2010; 303:1498-506.

The functional brain architecture of human morality

Funk CM, Gazzaniga MS. *Curr Opin Neurobiol*. 2009 Dec;19(6):678-81.

Management of the unconscious pregnant patient

Panday M, Moodley J. *Best Pract Res Clin Obstet Gynaecol*. 2009 Jun;23(3):327-38.

Are recent defences of the brain death concept adequate?

Joffe A. *Bioethics*. 2010 Feb;24(2):47-53.

Ethical debate over organ donation in the context of brain death

Bresnahan MJ, Mahler K. *Bioethics*. 2010 Feb;24(2):54-60.

Ethnicity and coercion among involuntarily detained psychiatric in-patients

Bennewith O, Amos T, Lewis G, Katsakou C, Wykes T, Morriss R, Priebe S. *Br J Psychiatry*. 2010 Jan;196(1):75-6.

The concept of free will and forensic psychiatry

Juth N, Lorentzon F. *Int J Law Psychiatry*. 2010 Jan-Feb;33(1):1-6.

Tobacco product regulation — A public health approach

Deyton L, Sharfstein J, Hamburg M. *NEJM*, Posted bApril 21st, 2010,
<http://healthcarereform.nejm.org/?p=3346&query=TOC#printpreview>

Readability of state-sponsored advance directive forms in the United States: A cross sectional study

Mueller LA, Reid KI, Mueller PS. *BMC Medical Ethics* 2010, 11:6.

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Literature-Littérature



Long term understanding of study information in research participants with Parkinson's disease

Ravina B, Swearingen C, Elm J, Kamp C, Kiebertz K, Kim SY. *Parkinsonism Relat Disord*. 2010 Jan;16(1):60-3.

Addiction and self-determination: A phenomenological approach

Schlimme JE. *Theor Med Bioeth*. 2010 Feb;31(1):49-62.

Seeking assent and respecting dissent in dementia research

Black BS, Rabins PV, Sugarman J, Karlawish JH. *Am J Geriatr Psychiatry*. 2010 Jan;18(1):77-85.

Adult use of prescription opioid pain medications—Utah, 2008

From the Centers for Disease Control and Prevention. *JAMA*. 2010; 303:1359-1361.

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Resources-Ressources



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

Neuroethics at the University of Pennsylvania

<http://neuroethics.upenn.edu/>

University of British Columbia, National Core for Neuroethics

www.neuroethics.ubc.ca

Canadian Neuroethics Network

<http://www.neuroethics.ca>

Neuroethics Society

<http://www.neuroethicssociety.org/>

Neuroethics Research Unit / L'Unité de recherche en neuroéthique

<http://www.ircm.qc.ca/microsites/neuroethics/en/>

<http://www.ircm.qc.ca/microsites/neuroethics/fr/>

Journal of Ethics in Mental Health

www.jemh.ca

Novel Techethics

www.noveltechethics.ca

Centre for Neurosciences, Johannes Gutenberg-University of Mainz

<http://www.neuroethik.ifzn.uni-mainz.de/index.php?L=1>

Neuroethics at the Stanford Center for Biomedical Ethics

<http://neuroethics.stanford.edu/>

Berman Institute of Bioethics' Program in Ethics and Brain Sciences (PEBS)

www.bioethicsinstitute.org/neuroethics

Centre interfacultaire en bioéthique et sciences humaines en médecine

www.neuroethique.ch

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