Fellowship on suicide studies and intervention

Name of Institution: Douglas Mental Health University Institute

Location: 6875 boul.Lasalle, Montreal, H4H 1R3

Type of Fellowship: Clinical/Research Fellowship Director: Dr. Johanne Renaud

Number of Positions: 1

Length: 1 year

Mission Statement: The Fellowship on suicide studies and intervention will provide to residents in psychiatry a comprehensive understanding of suicide and related behaviors, their causes and potential solutions, as well as the many challenges associated with suicidal behaviour treatment and intervention. The fellows will have an opportunity to be involved in research studies on suicidal behaviour and to gain experience with different research methodologies.

Program information:

- Number of fellowship positions available: one
- Academic Affiliation: Department of Psychiatry, McGill University
- Names of the hospitals involved in training: The fellowship will be based at the
 Douglas Mental Health University Institute. Depending on the fellow research interest, it
 may involve collaboration with other institutions including the MUHC, the Jewish General
 Hospital, St-Mary's Hospital, Louis-H Lafontaine Hospital and Rivières-des-Prairies
 Hospital
- Background: The fellowship is support and funded by the Réseau québécois de recherche sur le suicide (RQRS). Created in 2009, the RQRS mission is to promote the development of research for the prevention of suicide in Quebec. It aims to consolidate the leadership of Quebec researchers on the national and international scenes. Of the RQRS objective is to promote clinical research and to train clinicians.
- Research activity: This fellowship will facilitate training on suicide research using
 different methodologies (basic, clinical, epidemiological), depending on the interest of the
 candidate. The candidate will be matched with a mentor of his/her choice, and will be
 involved in a specific research project during the course of the fellowship.
- **Publications**: It is expected that the research conducted by the fellow will be published in a research paper by the conclusion of the fellowship.
- Outline how intented fellowship will enhance residency training: The fellowship will provide the resident with specific training in suicide studies, research and specialized clinical intervention in suicidal behaviour and refractory major depression.
- Name of the Fellowship Supervisor: Dr. Johanne Renaud

Names of the Teaching Faculty:

Gustavo Turecki, M.D., Ph.D.
Johanne Renaud, M.D., M.Sc.
Naguib Mechawar, Ph.D.
Monique Séguin, Ph.D.
Alain Lesage, M.D., MPhil,
Jean-Pierre Bonin, Ph.D
Laurent Descarries, Ph.D
Laurence Kirmayer, Ph.D
Moshe Szyf, Ph.D
Elham Rahme, Ph.D
Frank Vitaro, Ph.D
Jean-Jacques Breton, M.D., M.Sc,

- Roles: The primary supervisor, Dr Johanne Renaud, will be responsible for supervising the clinical activities of the fellow. The research activities will be supervised by Dr Johanne Renaud and other members of the teaching faculty depending on the fellow research interest. Potential co-supervisors are Dr Gustavo Turecki, Dr Jean-Jacques Breton, Dr Alain Lesage, Dr Elham Rahme, and Dr Naguib Mechawar,
- Summary of clinical practice: All teaching faculty members have extensive clinical and/or research experience in the field of suicide and related psychiatric disorders.
- **Major Strengths**: International leadership in basic, clinical and psychosocial research applied to the investigation of suicide.
- Academic Facilities:
 - Outline facilities for clinical and academic pursuit: Extensive research and clinical facilities are available with state-of-the-art infrastructure appropriate to carry out the projects in which the fellow will be involved.
 - Library access, materials relevant to fellowship training: McGill
 University has extensive library resources available online throughout the
 McGill University campus and affiliated hospitals.
- Fellow Duties and Responsibilities:
 - **Clinical activities:** specialized evaluation and treatment of youth and adults in the Depressive Disorders Program.
 - Call responsibilities to service: No
 - **Supervision of residents**: Depending on the different rotations, fellows may have to supervise residents.
 - Rotations at other institutions: Optional, depending on the fellow's project and training background.
 - Outpatient responsibilities: Will depend on the fellow's project, clinical interests and training background.

- Role of the fellow towards residents on service: Minimal. It will depend on the fellow's interests.
- Teaching responsibilities toward residents: Minimal. It will depend on the fellow's interests.

Participation in academic activities involving the residents: The fellow will be asked to present during academic rounds, at least 2 times during the fellowship.

- Support staff available to the fellow: see listed of the teaching faculty above.
- Proposed meetings to be attended by the fellow: To be discussed with the fellow. Meeting to be attended will depend on the fellow's academic and clinical interests.
- Research productivity and publications expected of the fellow:
 Depending on her/his interest, the fellow may take part in the current research activities of the Reseau which includes the investigation of the molecular and psychopathological factors increasing vulnerability to suicide, and the identification of unmet needs on suicide prevention and related treatments. It is expected that the research conducted by the fellow will be published in a research paper by the conclusion of the fellowship.

Curriculum

- Intended case load: a least one specialised assessment or equivalent per week during the clinical rotation.
- Intended percentage of varieties of cases: the fellow will be trained in 3rd line programs that primarily serve patients with depressive disorders.
 Experience with personality disorders may also be obtained.
- Regular reading materials provided: recent literature will be critically discussed in research journal clubs or in informal settings.
- Conference weekly schedules: a series of lab meetings, journal clubs and clinical meetings take place. The fellow will be encouraged to attend these meetings depending on her/his project.
- Role of the fellow in attending, presenting, supervising, organization: to be discussed with the fellow depending on his/her interest and project.

Renaud. Johanne

Renaud J, Berlim M, Begolli M, McGirr A, Turecki G. (2010). Sexual orientation and Gender Identity in Youth Suicide Victims: an exploratory study. Can J Psychiatry, 55(1) 29-34.

Lesage A, Séguin M, Turecki G, Renaud J, Boyer R, Ménard-Buteau C. (2009). Une compréhension biopsychosociale du rôle des maladies mentales dans le suicide au Québec. In : La psychiatrie en question. Fest Schrift professeur Frédéric Grunberg. Ed : Les Presses de l'Université de Montréal.

Renaud J, Berlim M, McGirr A, Seguin M, Turecki G. (2009). Current and lifetime utilization of Health Care services in Children and Adolescent Suicide: A case-control study. J Affect Disorders, 117; 168-173.

McGirr, A., Paris J, Lesage A, Renaud J, Turecki G. (2009). An examination of DSM-IV borderline personality disorder symptoms and risk for suicide completion: a psychological autopsy study. Canadian Journal of Psychiatry, 54(2).

McGirr, A., Renaud, J, Séguin, M., Alda, M., Turecki, G. (2008). Course of Major Depressive disorder and Suicide Outcome. Journal of Clinical Psychiatry, 69(6) 66-70

Turecki, Gustavo

McGirr, A, Alda M, Séguin M, Cabot S, Lesage A, Turecki G. Familial aggregation of suicide is explained by cluster B traits: A three-group family study of suicide controlling for major depressive disorder. American J Psychiatry, 2009 Oct;166(10):1124-34.

Ernst C, Chen ES, Turecki G*. Histone methylation and decreased expression of TrkB.T1 in orbital frontal cortex of suicide completers. Mol Psychiatry, 2009 Sep;14(9):830-2.

Chen G, Turecki G*, Mamer O, A quantative GC-MS method for three major polyamines in post-mortem brain cortex. J Mass Spectrometry, 2009 Aug;44(8):1203-10.

Sequeira A, Kemplan T, Mamdani F, Canetti L, ffrench-Mullen J, Benkelfat C, Rouleau GA, Mechawar N, Turecki G*. Global brain gene expression analysis links glutamatergic and GABAergic alterations to suicide and major depression. PLOS One, 2009 Aug 11;4(8):e6585.

Kemplan T, Ernst C, Deleva V, Labonte B, Turecki G*. Characterization of QKI Gene Expression, Genetics, and Epigenetics in Suicides with Major Depressive Disorder. Biological Psychiatry, 2009 Nov 1:66(9):824-31.

Lesage, Alain

Lesage A, Gélinas D, Bisson J, Dion E, Ricard N (sous-presse). Development and validation of the RQC: a daily contact log for ACT and ICM teams. Epidemiologia e psichiatria sociale.

Lesage, A. Séguin, M., Guy, A., Daigle, F., Bayle, M.F., Turecki, G., & Chawky, N. (2008). Systematic services audit of all consecutive cases of suicide in New-Brunswick, Canada. Canadian Journal of Psychiatry.

Bonin JP, Lavoie-Tremblay M., Lesage AD, Miquelon P, Maisy N. (2009). Continuity of health services in a reorganization based on patient focused care programs, in the context of mental health services reform. The Journal of Mental Health Policy and Economics, 12(1), 6.

Drapeau A, Boyer R, Lesage A. (2009). The Influence of Social Anchorage on the Gender Difference in the Use of Mental Health Services. Journal of Behavioral Health Services and Research, 36(3), 372-84.

Lecardeur L, Briand C, Prouteau A, Lalonde P, Nicole L, Lesage A, Stip E. (2009). Preserved awareness of their cognitive deficits in patients with schizophrenia: convergent validity of the SSTICS. Schizophrenia Research, 107(2-3), 303-6.

Séguin, Monique

Roy, M., & Séguin, M. (2008). Portrait du Suicide chez les personnes âgées : peut-on y voir plus clair? La Revue de Gériatrie et de Gérontologie, 15, 149, 482-488.

Castelli-Dransart, D.A., & Séguin, M. (2008). Les modalités et les formes de soutien aux personnes ayant été confrontées au suicide. Perspectives Psychiatriques, 47, 4, oct-déc. 2008, 365-374.

Séguin, M., & Castelli-Dransart, D.A. (2008). Les groupes de paroles pour personnes endeuillées après suicide. Perspectives Psychiatriques, 47, 4, oct-déc. 2008, 375-383.

Henry, M., Séguin, M., & Drouin, M-S. (2009). L'impact du suicide d'un patient chez des professionnels en santé mentale : différences entre les femmes et les hommes. Frontières.. 21(1).

Renaud J., Berlim, M., Séguin, M., McGirr, A., Tousignant, M., & Turecki, G. (2009). Recent and Lifetime Utilization of Health Care Services by Children and Adolescent Suicide Victims: A Case-Control Study. Journal of Affective Disorders. 117, 168-173.

Kirmayer, Laurence

Afana, A., Pedersen, D., Rønsbo, H. & Kirmayer, L.J. (2010). "Endurance is to be shown at the first blow": Social representations and reactions to traumatic experiences in the Gaza strip. Traumatology,

Thombs, B.D., Adeponle, A., Kirmayer, L.J. & Morgan, J.F. (2010). A brief scale for assessing hospital doctor attitudes toward collaborative care for mental health (DACC-MH). Canadian Journal of Psychiatry, 55(4): 264-267.

Hickling, F. W., Guzder, J., Robertson-Hickling, H., Snow, S., & Kirmayer, L. J. (2010). Psychic centrality: Reflections on the process of two psychohistoriographic cultural workshops. Transcultural Psychiatry, 47 (1): 136-158.

Kirmayer, L.J. Sedhev, M., Whitley, R., Dandeneau, S. & Isaac, C. (2009). Community resilience: Models, metaphors and measures. Journal of Aboriginal Health, 7 (1): 62-117.

Mezzich, J.E., Caracci, G., Fabrega, H. & Kirmayer, L.J. (2009). Cultural formulation guidelines. Transcultural Psychiatry, 46 (3): 383-405.

Mechawar, Naguib

Chen GG, Fiori LM, Moquin L, Gratton A, Mamer O, Mechawar N, Turecki G. (in press). Evidence of altered polyamine concentrations in cerebral cortex of suicide completers. Neuropsychopharmacology.

Hercher C, Canetti L, Turecki G, Mechawar N. (2009). Anterior cingulate pyramidal neurons display altered dendritic branching in depressed suicides. J Psychiatr Res 44:286-293.

Ernst C, Mechawar N, Turecki G. (2009). Suicide neurobiology. Prog Neurobiol 89:315-333.

Hercher C, Parent M, Canetti L, Flores C, Turecki G, Mechawar N. (2009). Alcohol dependence-related increase of glial cell density in the anterior cingulate cortex of suicide completers. J Psychiatry Neurosci 34:281-288.

Fiori LM, Mechawar N, Turecki G. (2009). Identification and characterization of SAT1 promoter variants and methylation status in suicide completers. Biol Psychiatry 66:460-467.

Bonin, Jean-Pierre

Bonin, J. P., Dominique, T., Lesage, A., Fortier, M., Roch, L., Vadeboncoeur, A., et al. [Mental health. Difficulties in evaluation in triage]. Perspective infirmiere: revue officielle de l'Ordre des infirmieres et infirmiers du Quebec, 7(1), 42-48. Pubmed

Bonin, J., L. Fournier, et al. (2009). "Health and Mental Health Care Utilization by Clients of Resources for Homeless Persons in Quebec City and Montreal, Canada: A 5-Year Follow-Up Study." Journal of Behavioral Health Services and Research 37(1): 95-110. Pubmed

Lemelin, L., Bonin, J. P., & Duquette, A. (2009). Workplace violence reported by Canadian nurses. The Canadian journal of nursing research = Revue canadienne de recherche en sciences infirmieres, 41(3), 152-167. Pubmed

Larue, C., Loiselle, C., Bonin, J., Cohen, R., Gélinas, C., Dubois, S., et al. (2009). [Mixed methods: promising strategies for the evaluation of nursing interventions]. Recherche en soins infirmiers, Juin(97), 50-62.

Perreault M, Wiethaueper D, Perreault N, Bonin JP, Brown TG, Brunaud H. (2009). Meilleures pratiques et formation dans le contexte du continuum des services en santé mentale et en toxicomanie: le programme de formation croisée du sud-ouest de Montréal. Santé mentale au Québec, 34(1):143-160.

Descarries, Laurent

Descarries, L., Riad, M. and Parent, M. (2010) Ultrastructure of the serotonin innervation in the mammalian central nervous system. In Handbook of the Behavioural Neurobiology of Serotonin, C.P. Müller and B.L. Jacobs eds. Elsevier, Amsterdam, pp. 65-101.

Descarries, L. and Mechawar, N. (2008) Structural organization of monoamine and acetylcholine neuron systems in the rat CNS. In Handbook of Neurochemistry and Molecular Neurobiology, 3rd edition, A. Lajtha ed., Neurotransmitter Systems, E.S. Vizi, vol. ed., Springer, New York, pp. 1-20.

Parent, M., Wallman, M.-J. and Descarries, L. (2010) Distribution and ultrastructural features of the serotonin innervation in rat and squirrel monkey subthalamic nucleus. Eur. J. Neurosci., 31:1233-1241.

Lacoste, B., Riad, M., Ratte M.-O., Boye, S.M., Lévesque, D. and Descarries, L. (2009) Trafficking of neurokin-1 receptors in serotonin neurons is controlled by substance P within the dorsal raphe nucleus. Eur. J. Neurosci., 29:2303-2314.

Rahme, Elham

Rahme E, Dasgupta K, Turecki G, Nedjar H, Galbaud du Fort G. Risks of suicide and poisoning among elderly patients prescribed selective serotonin reuptake inhibitors: a retrospective cohort study. Journal of Clinical Psychiatry 2008 Mar;69(3):349-57.

Sewitch M, Blais R, Rahme E, Bexton B, Galarneau S. Receiving guideline concordant pharmacotherapy for major depression: impact on ambulatory and inpatient health services use. Canadian Journal of Psychiatry. 2007 Mar;52(3):191-200.

Sewitch MJ, Blais R, Rahme E, Galarneau S, Bexton B. Pharmacologic response to a diagnosis of late-life depression: A population study in Quebec. Can J Psychiatry. 2006 May;51(6):363-70.

Sewitch M, Blais R, Rahme E, Bexton B, Galarneau S. Pharmacologic response to depressive disorders among adolescents. Psychiatr Serv. 2005;56(9):1089-1097.

Breton, Jean-Jacques

Breton J.J., Huynh C., Raymond S., Labelle R., Bonnet N., Cohen D. Guilé J.M. (2010) Prolonged hallucinations and dissociative self mutilation following use of Salvia divinorum in a bipolar adolescent girl. Journal of Substance Use, 15(2), 113-117.

Guilé JM, Huynh C, Desrosiers L, Bouvier H, MacKay J, Breton JJ, Godbout R. (2009) Exploring sleep disturbances in adolescent borderline personality disorder using actigraphy: a case report. International Journal of Adolescent Medicine and Health, 21 (1):123-126.

Julien, M., Breton, J.J. (2008). La prévention du suicide chez les adolescents. Que savons-nous de son efficacité ? Frontières, 21 (1), 23-31.

Cohen, D., Deniau, E., Maturana, A., Tanguy, M.L., Bodeau, N., Labelle, R., Breton, J.J., Guilé, J.M., (2008) Why is children and adolescent response to placebo higher in major depression than in anxiety disorders? A systematic review of placebo-controlled trials. PLOS ONE, 3(7):e2632. doi:10.1371/journal.pone.0002632