

University of Calgary
Faculty of Medicine
CURRICULUM VITAE

I. BIOGRAPHICAL DATA

Name: Kirsten Marie Fiest
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Present Rank: Assistant Professor
Department: Primary Appointment - Department of Critical Care Medicine
Cross Appointment - Department of Community Health Sciences
Institute: University of Calgary

II. ACADEMIC RECORD

Final Degree: PhD
Date Completed: 2014
Specialty: Epidemiology
Institution/City/
Country: University of Calgary/Calgary/Canada

- i) Undergraduate:
BSc Honours in Psychology, University of Calgary, 2008
“Sleep Quality and Cardiovascular Reactivity to Stress”
- ii) Special Professional:
N/A
- iii) Graduate and post-doctoral:
Postdoctoral Fellow Internal Medicine (Neurology), University of Manitoba, 2014-2015
Postdoctoral Fellow Clinical Neurosciences, University of Calgary, 2014
PhD Epidemiology, University of Calgary, 2014
“Depression in Epilepsy”
- iv) Licensure, certification and boards (e.g. FRCPC)
N/A
- v) Continuing Professional Development
- 2017 UFundamentals, Program Development, University of Calgary
2017 Summit for Women in Academic Medicine (Toronto, Ontario)

III. AWARDS AND DISTINCTIONS

- 2015-2016 Postdoctoral Fellowship Award, Research Manitoba (declined) (\$36,750)
- 2015-2017 Postdoctoral Fellowship Award, Canadian Institutes of Health Research (CIHR) (declined) (\$90,000). **Ranked #1 out of 1119 applicants across Canada**
- 2015 Top Poster Award, Neuroinflammation Symposium & MB-ON endMS RRTC Retreat
- 2015-2017 Scholar Program for Researchers in Training (SPRINT), EndMS Research and Training Network
- 2015-2016 Postdoctoral Fellowship Award, Multiple Sclerosis Society of Canada (declined), (\$41,000)
- 2014 Governor General's Gold Medal Award Nominee, University of Calgary
- 2014 Mathison Centre for Mental Health Research & Education Researcher of the Month, May 2014, University of Calgary
- 2014 Izaak Walton Killam Pre-Doctoral Scholarship Nominee, University of Calgary
- 2014 Best Graduate Student Presentation, Sebastian K. Littmann Research Day. Department of Psychiatry, University of Calgary
- 2013 Faculty of Graduate Studies PhD Travel Award, University of Calgary (\$1,500)
- 2013 Graduate Student Award in Epilepsy Research, Canadian League Against Epilepsy (\$1,000)
- 2012 Alberta Graduate Student Scholarship, Government of Alberta (\$3,000)
- 2011-2015 Alberta Innovates Health Solutions Studentship, Government of Alberta (\$150,000)
- 2011 Research Data Center Student Incentive Grant, Statistics Canada (\$3,000).
- 2011 Faculty of Graduate Studies MSc Travel Award, University of Calgary (\$1,500).
- 2011 Trainee Research Paper Excellence Award, Hotchkiss Brain Institute, University of Calgary
- 2010-2012 Collaborative Research Grant Initiative, Alberta Health Services (\$60,000).
- 2010 Frederick Banting & Charles Best Canada Graduate Scholarship (declined), Canadian Institutes of Health Research (CIHR), (\$17,500)

IV. ACADEMIC APPOINTMENTS

- 2016- Assistant Professor, Critical Care Medicine, University of Calgary
- 2016- Assistant Professor, Community Health Sciences, University of Calgary

V EDUCATIONAL ACTIVITIES

i. UNDERGRADUATE

Co- Supervisor:

- 01/2017 – present Chelsea Stone, MSc, University of Calgary
Project title:
- 09/2016 – 04/2017 Jenna Park, BHSc, University of Calgary
Project title: Corticosteroids in a mouse model of delirium
- 06/2012- 06/2014 Kirsten Sjonnesen, BSc Student in Neuroscience at McGill University.
Project: Using the PHQ-9 to Detect Depression in Persons with Multiple Sclerosis. Funded by an AIHS Summer Studentship. (Summer 2012).

- Project: Validity of the WHODAS in Persons with Psychiatric Disorders. Funded by an AIHS Summer Studentship (Summer 2014).
4. 06/2013- 09/2014 Rebecca Viner, BSc Student in Neuroscience at McGill University.
Project: Depression and Suicide in Persons with Multiple Sclerosis. Funded by an EndMS Summer Studentship.
 5. 06/2013 – 09/2013 Thomas Ernert, BSc Student in Health Sciences at the University of Calgary.
Project: A Population-Based Study of Depression in Persons with Parkinson’s Disease.
 6. 06/2013- 06/2016 Chelsea Altura, BSc Student in Neuroscience at the University of Calgary.
Project: The Treatment of Depression in Persons with Epilepsy. Funded by an AIHS Summer Studentship (Summer 2013).
Project: Factors Associated with Suicidal Ideation in Persons with Neurological Conditions. Funded by an AIHS Summer Studentship (Summer 2014).
 7. 06/2013-09/2014 Natalie Wiebe, BN Student in Nursing at the University of Calgary.
Project: Using Scales to Measure Depression in Persons with Epilepsy (Summer 2013).
Project: Validating a Single-Item Disease Severity Scale in Four Neurological Conditions (Summer 2014).
 8. 04/2015- 03/2016 Brittany Litster, Research Assistant Applying to Medical School
Project: Screening Tools for Anxiety in Persons with Multiple Sclerosis: A Systematic Review

Summer Student Supervision:

Brianna Rosgen April – September 2017

Course instruction:

1. 2015 Tutorial Session Leader, Undergraduate Medical Education Program, University of Manitoba. I was responsible for leading tutorial groups of 10-12 medical students in topics related to public health, epidemiology, biostatistics, and research methods.

ii. GRADUATE

Co-Supervisor:

1. 09/2016 – present Danielle Demiantschuk (informal), Research Associate, Department of Critical Care Medicine, University of Calgary
2. 09/2016 – present Kyla Brown, MSc in Health Services Research.
Thesis title: Long-term neuropsychiatric outcomes in survivors of critical care
3. 06/2014 - Joey Prisnie, 1st Year MD Student at the University of Alberta.
Project: Screening Tools for Depression in Persons with Stroke. Funded by an AIHS Summer Studentship.
4. 06/2014 Aida Raissi, 1st Year MD Student at the University of Alberta.

Project: Patterns of Depression Treatment in Persons with Multiple Sclerosis. Funded by an EndMS Studentship.

Course instruction:

1. 2016 Co-Instructor, Advanced Epidemiology Graduate Course (MDCH 740), University of Calgary
2. 2013 Course Developer & Teaching Assistant, Introduction to Epidemiology Graduate Course (MDCH 640), University of Calgary. This first-year graduate student course is mandatory for all Community Health Sciences students- class size of ~35. The course was redesigned for Fall 2013 and I redesigned the entire lab/tutorial portion of the course, along with participating in overall course development.
3. 2012- Teaching Assistant, Introduction to Epidemiology Graduate Course (MDCH 640), University of Calgary. This first-year graduate student course is mandatory for all Community Health Sciences students- class size of ~35.
4. 2011- Teaching Assistant, Biostatistics I Graduate Course (MDCH University of Calgary). This first-year graduate student course is mandatory for all Community Health Sciences students- class size of ~35.

iii. POSTGRADUATE (HEALTH PROFESSIONAL & DOCTORAL RESEARCH FELLOWS)

1. 09/2017 - present Julie Kromm (informal), Department of Critical Care Medicine Fellow
2. 12/2016 – present Guosong Wu (informal), Dept. Community Health Sciences, University of Calgary. Thesis: The Development of Patient Safety Indicators for Critically Ill Patients Admitted to the Intensive Care Unit (Tom Stelfox supervisor, Hude Quan co-supervisor)

iv. FACULTY MENTORSHIP

N/A

v. CONTINUING MEDICAL EDUCATION (Presentations)

1. August 2015 Co-Instructor, Academic Project 3: Research Design and Data Variables, Department of Critical Care Medicine, University of Calgary

VI. ADMINISTRATIVE RESPONSIBILITIES

i. DEPARTMENTAL

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| 2010-2011 | Student Social Coordinator, Department of Community Health Sciences, University of Calgary |
| 2009-2011 | Recruitment Coordinator, Department of Psychology, University of Calgary |
| 2009-2011 | Research Assistant– Department of Psychiatry, University of Calgary |

ii. FACULTY

iii. UNIVERSITY

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| 2010-2012 | Graduate Representative Council Member, University of Calgary |
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iv. REGIONAL HEALTH AUTHORITY

2009-2011 Consultant – Information, Evaluation & Research Unit, Mental Health & Addictions, Alberta Health Services

VII. PROFESSIONAL ACTIVITIES

i. MEMBERSHIP IN PROFESSIONAL AND LEARNED SOCIETIES

2012-present Member, *American Epilepsy Society*
2013-present Member, *American Academy of Neurology*
2016-present Member, *Hotchkiss Brain Institute*
2016-present Member, *O'Brien Institute for Public Health*
2016-present Member, *Canadian Intensive Care Foundation*
2016-present Member, *Critical Care SCN Research Advisory Committee*
2016-present Member, *AHS Delirium Working Group Steering Committee*
2017- present Member, *Canadian Critical Care Trials Group*
2017-present Member, *Society for Epidemiologic Research*

ii. PROFESSIONAL SERVICE

Journal Review:

2015- present Reviewer, *Clinical Neurology and Neurosurgery*
2015- present Reviewer, *Epilepsia*
2015- present Reviewer, *Multiple Sclerosis Journal- Experimental, Translational and Clinical*
2014- present Reviewer, *Nigerian Journal of Clinical Practice*
2014- present Reviewer, *Journal of Clinical Psychology in Medical Settings*
2014- present Reviewer, *PLOS One*
2014- present Reviewer, *Epilepsy & Behavior*
2014- present Reviewer, *Annals of Internal Medicine*
2014- present Reviewer, *Health and Quality of Life Outcomes*
2014- present Reviewer, *BMC Public Health*
2013- present Reviewer, *Social Psychiatry and Psychiatric Epidemiology*
2013- present Reviewer, *International Journal of MS Care*
2013- present Reviewer, *Depression Research and Treatment*
2013- present Reviewer, *General Hospital Psychiatry*

National and International Committees:

2013- present Member, International League Against Epilepsy Stigma in Epilepsy Task Force

Other:

2013 Member, Search and Selection Committee for the Director of the Mathison Centre for Mental Health Research & Education

VIII. RESEARCH SUPPORT

i) GRANTS PENDING

GRANTS AWARDED

Peer Reviewed:

1. 2017-2020. De-Adopting Low-Value Practices in Critical Care Medicine. Co-investigator (PI, Jeanna Parsons Leigh), 0% allocation, \$321,300, Project Grant: Fall 2016. *Canadian Institutes of Health Research (CIHR)*, Ottawa, Ontario, Canada.
2. 2017-2019. Patient and Family-Centered Delirium Measurement in the Critically Ill. Principal Investigator, 100% allocation., \$76,000.00. M.S.I Foundation, Edmonton, Alberta, Canada.
3. 2017-2018. Patient and Family-Centered Delirium Assessment in Critically Ill Older Adults. Principal Investigator, 100% allocation, \$10,000. *Late Life Issues Team and Critical Care Strategic Clinical Network*, Calgary, Alberta, Canada.
4. 2017-2018. Delirium Assessment in the Critically Ill: A Patient and Family-Centered Approach. Principal Investigator, 100% allocation, \$50,000 (\$25,000 Canadian Institutes of Health Research, \$25,000, University of Calgary Clinical Health Services and Population Health Research Platform Strategy. *Canadian Institutes of Health Research (CIHR) - Strategy for Patient-Oriented Research (SPOR)*, Ottawa Ontario.
5. 2017-2018. The Road to Recovery- Assessing Functional Outcomes of Pediatric Critical Care Survivors. Co-Applicant (PI, Paul Doughty), 0% allocation, \$25,000, Department of Pediatrics Innovation Award, *Alberta Children's Hospital Foundation*, Calgary, Alberta, Canada.
6. 2017-2018. Critical Care Clinical and Research Rehabilitation Database. Collaborator (PI, Chris Grant), 0% allocation, \$40, 000 (\$20,000 PM&R Clinical Seed Grant, \$20,000 Department of Critical Care Medicine), *Physical Medicine and Rehabilitation Clinical Seed Grant*, Calgary, Alberta, Canada.
7. 2016-2018. Validating Screening Tools for Delirium Subtypes in the Critically Ill. Principal Investigator, 100% allocation, \$20,000, *Cumming School of Medicine Clinical Research Fund*, Calgary, Alberta, Canada
8. 2016-2017. The Epidemiology of Hypoactive Delirium in the Critically Ill. Principal Investigator, 100% allocation, \$10,000, *Critical Care Strategic Clinical Network (CC SCN)*, Calgary, Alberta, Canada.
9. 2016-2020 . Development and Evaluation of a Family-Partnered Care Pathway for Critically Ill Older Patients. Primary Investigators: H.T. Stelfox & D. Heyland. Co-Investigator, 0% fund allocation, \$1,388,754, *Canadian Institutes of Health Research (CIHR)*, Ottawa, Ontario, Canada.

Non Peer-Reviewed:

1. 2016-2018 . New Investigator Start-up Funds. Primary Investigator, 100% allocation, \$65,000, *Department of Critical Care Medicine*, University of Calgary, Calgary, Alberta, Canada.
2. 2016-2018 . New Investigator Start-up Funds. Primary Investigator, 100% allocation, \$15,000, *O'Brien Institute for Public Health*, University of Calgary, Calgary, Alberta, Canada.

IX. INVITED ADDRESSES

PRIMARY PRESENTER

1. **Fiest, KM.** Incidence and Prevalence of Delirium Subtypes in the ICU: A Systematic Review and Meta-Analysis. Society of Critical Care Medicine, Honolulu, HI, January 2017.

2. **Fiest, KM.** Potentially Useful Data Sources for Studying Comorbidities in MS. International Workshop on Multiple Sclerosis Comorbidities, Toronto, ON, March 2015.
3. **Fiest, KM.** Depression in Epilepsy. Mathison Centre for Mental Health Research and Education Rounds, Calgary, AB, February 2014.
4. **Fiest, KM.** Depression in Persons with Epilepsy. Calgary Epilepsy Program Educational and Research Rounds, Calgary, AB, October 2013.
5. **Fiest, KM.** Depression in Epilepsy: A Systematic Review and Meta-Analysis. Mind and Brain-Public Health Perspectives Symposium, Calgary, AB, February 2013.
6. **Fiest, KM.** Chronic Conditions & Depression. Lupus Society of Alberta Annual Conference, Calgary, AB, May 2012.

SECONDARY PRESENTER

1. Yergens DW, Dutton DJ, **Fiest KM.** Automated Identification of National Health Survey Research Topics in the Academic Literature. Informatics for Health, Manchester, UK, April 2017.

X. PUBLICATIONS

i) PEER REVIEWED

Peer reviewed Manuscripts, Submitted:

1. **Fiest, KM,** Williamson, DM & Marrie, RA. Gene-environment interaction and the risk of comorbid autoimmune disease in multiple sclerosis. *Multiple Sclerosis.* (in prep)
2. Krewulak, K, Stelfox, HT, Parsons Leigh, J, Ely, EW & **Fiest, KM.** Risk factors and outcomes among delirium subtypes in the critically ill: a systematic review. *Critical Care Medicine.* (in prep).
3. Krewulak, K, Stelfox, HT, Parsons Leigh, J, Ely, EW & **Fiest, KM.** Prevalence and incidence of delirium motoric subtypes in the ICU: a systematic review and meta-analysis. *Critical Care Medicine.* (in prep).
4. Altura, KC, Patten, SB, Williams, JVA, **Fiest, KM** & Jette, N. Medical and psychosocial outcomes in migraine – a national community-based survey. *Headache.* (under review)
5. Pham, T, Sauro, KM, Patten, SB, Wiebe, S, **Fiest, KM,** Bulloch, AGM & Jette, N. The prevalence of anxiety and associated factors in persons with epilepsy. *Epilepsia.* (revisions requested)
6. Au, S, Couillard, P, Roze des Ordons, A, **Fiest, KM,** Lorenzetti, D & Jette, N. Outcomes of ethics consultations in adult intensive care units: A systematic review and meta-analysis. *Intensive Care Medicine.* (submitted).
7. Sajobi, TT, Zhang, Y, Wiebe, N, Patten, SB, Amoozegar, F, **Fiest, KM,** & Jette N. Global Assessment of Migraine Severity (GAMS): Preliminary Evidence of Construct Validity in Adult Migraneurs. (in prep)
8. Prisnie, J, Sajobi, TT, Zhang, Y, Patten, SB, **Fiest, KM,** Bulloch, AGM, Pringsheim, T & Jette, N. Do depression and anxiety impact quality of life equally in five common neurological disorders? *General Hospital Psychiatry.* (in prep)
9. Smith, EE, **Fiest, KM,** Roberts, JI, Jette, N, Maxwell, CJ, Pringsheim, T & Jette, N. The Prevalence and Incidence of Vascular Dementia: A Systematic Review and Meta-Analysis. (in prep)

10. Sajobi, TT, Patten, SB, Amoozegar, F, Wiebe, N, Zhang, Y, **Fiest, KM** & Jette, N. Correlates of disease severity in persons with migraine. *The Journal of Headache and Pain*. (under peer review)
11. **Fiest, KM**, Greenfield, J, Metz, LM, Patten, SB, Jette, N, & Marrie, RA. Discriminative Ability of Quality of Life Measures in Multiple Sclerosis. *Health and Quality of Life Outcomes*. (revisions requested)
12. Marrie, RA, Patten, SB, Berrigen, LI, Tremlett, H, Wolfson, C, Warren, S, Leung, S, **Fiest, KM**, McKay, KA, & Fisk, JD. Diagnoses of depression and anxiety versus current symptoms and quality of life in MS. *Neurology*. (under review)

Peer reviewed Manuscripts, In Press:

1. McKay, KA, Evans, C, Fisk, JD, Patten, SB, **Fiest, KM**, Marrie, RA & Tremlett, H. Disease-modifying therapies and adherence in multiple sclerosis: comparing patient self-report with pharmacy records. *Neuroepidemiology*. 2017 in press
2. Amoozegar, F, Patten, SB, Becker, WJ, Bulloch, AGM, **Fiest, KM**, Davenport, WJ, Carroll, CR, & Jette, N. The Prevalence of Depression and the Accuracy of Depression Screening Tools in Migraine Patients. *General Hospital Psychiatry*. 2017 in press

Peer reviewed Manuscripts, Published:

1. **Fiest KM**, Bernstein CN, Walker JR, Graff LA, Hitchon, CA, Peshcken, CA, Zarychanski R, Abou-Setta AM, Patten SB, Sareen J, Bolton JM & Marrie RA. Systematic Review and Meta-Analysis of Interventions for Depression and Anxiety in Persons with Rheumatoid Arthritis. *Journal of Clinical Rheumatology*. 2017 February 17. doi: 10.1097/RHU.0000000000000489
2. Josephson, CB, Patten, SB, Bulloch, A, Williams, JVA, Lavorato, D, **Fiest, KM**, Secco, M & Jette, N. The impact of seizures on epilepsy outcomes: a national, community-based survey. *Epilepsia*. 2017 March 27. doi: 10.1111/epi.13723
3. **Fiest KM**, Sauro KM, Wiebe S, Patten SB, Kwon CS, Dykeman J, Pringsheim T, Lorenzetti DL, Jetté N. Prevalence and incidence of epilepsy: A systematic review and meta-analysis of international studies. *Neurology*. 2017 Jan 17;88(3):296-303. doi: 10.1212/WNL.0000000000003509.
4. Gill SJ, Lukmanji S, **Fiest KM**, Patten SB, Wiebe S, Jetté N. Depression screening tools in persons with epilepsy: A systematic review of validated tools. *Epilepsia*. 2017 Jan 8. doi: 10.1111/epi.13651. [Epub ahead of print]
5. Ismail Z, Elbayoumi H, Fischer CE, Hogan DB, Millikin CP, Schweizer T, Mortby ME, Smith EE, Patten SB, **Fiest KM**. Prevalence of Depression in Patients With Mild Cognitive Impairment: A Systematic Review and Meta-analysis. *JAMA Psychiatry*. 2017 Jan 1;74(1):58-67. doi: 10.1001/jamapsychiatry.2016.3162.
6. Nguyen R, **Fiest KM**, McChesney J, Kwon CS, Jette N, Frolkis AD, Atta C, Mah S, Dhaliwal H, Reid A, Pringsheim T, Dykeman J, Gallagher C. The International Incidence of Traumatic Brain Injury: A Systematic Review and Meta-Analysis. *Can J Neurol Sci*. 2016 Nov;43(6):774-785.
7. Litster B, **Fiest KM**, Patten SB, Fisk JD, Walker JR, Graff LA, Bolton JM, Sareen J, Marriott JJ, Berrigan LI, Bernstein CN, Zarychanski R, Singer A, Hitchon CA, Peshcken CA, Marrie RA; CIHR Team “Defining the Burden and Managing the Effects of Psychiatric Comorbidity in Chronic Immunoinflammatory Disease”. Screening Tools for Anxiety in People with Multiple Sclerosis: A Systematic Review. *Int J MS Care*. 2016 Nov-Dec;18(6):273-281. doi: 10.7224/1537-2073.2016-004.

8. Patten SB, Williams JV, Lavorato DH, Wang JL, Jetté N, Sajobi TT, **Fiest KM**, Bulloch AG. Patterns of association of chronic medical conditions and major depression. *Epidemiol Psychiatr Sci*. 2016 Oct 27;1-9. [Epub ahead of print]
9. Altura KC, Patten SB, **Fiest KM**, Atta C, Bulloch AG, Jetté N. Suicidal ideation in persons with neurological conditions: prevalence, associations and validation of the PHQ-9 for suicidal ideation. *Gen Hosp Psychiatry*. 2016 Sep-Oct;42:22-6. doi: 10.1016/j.genhosppsy.2016.06.006.
10. **Fiest KM**, Bernstein CN, Walker JR, Graff LA, Hitchon CA, Peschken CA, Zarychanski R, Abou-Setta A, Patten SB, Sareen J, Bolton J, Singer A, Marrie RA; CIHR Team “Defining the burden and managing the effects of psychiatric comorbidity in chronic immunoinflammatory disease”. Systematic review of interventions for depression and anxiety in persons with inflammatory bowel disease. *BMC Res Notes*. 2016 Aug 12;9(1):404. doi: 10.1186/s13104-016-2204-2.
11. McKay KA, Tremlett H, Patten SB, Fisk JD, Evans C, **Fiest KM**, Campbell T, Marrie RA; CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECoMS). Determinants of non-adherence to disease-modifying therapies in multiple sclerosis: A cross-Canada prospective study. *Mult Scler*. 2016 Jun 29. pii: 1352458516657440. [Epub ahead of print]
12. **Fiest KM**, Patten SB, Jetté N. Screening for Depression and Anxiety in Epilepsy. *Neurol Clin*. 2016 May;34(2):351-61, vii-viii. doi: 10.1016/j.ncl.2015.11.003.
13. Marrie RA, Miller A, Sormani MP, Thompson A, Waubant E, Trojano M, O'Connor P, **Fiest KM**, Reider N, Reingold S, Cohen JA; attendees of the International Workshop on Comorbidity in Multiple Sclerosis. Recommendations for observational studies of comorbidity in multiple sclerosis. *Neurology*. 2016 Apr 12;86(15):1446-53. doi: 10.1212/WNL.0000000000002474.
14. Hogan DB, Jetté N, **Fiest KM**, Roberts JI, Pearson D, Smith EE, Roach P, Kirk A, Pringsheim T, Maxwell CJ. The Prevalence and Incidence of Frontotemporal Dementia: a Systematic Review. *Can J Neurol Sci*. 2016 Apr;43 Suppl 1:S96-S109. doi: 10.1017/cjn.2016.25.
15. Hogan DB, **Fiest KM**, Roberts JI, Maxwell CJ, Dykeman J, Pringsheim T, Steeves T, Smith EE, Pearson D, Jetté N. The Prevalence and Incidence of Dementia with Lewy Bodies: a Systematic Review. *Can J Neurol Sci*. 2016 Apr;43 Suppl 1:S83-95. doi: 10.1017/cjn.2016.2.
16. **Fiest KM**, Jetté N, Roberts JI, Maxwell CJ, Smith EE, Black SE, Blaikie L, Cohen A, Day L, Holroyd-Leduc J, Kirk A, Pearson D, Pringsheim T, Venegas-Torres A, Hogan DB. The Prevalence and Incidence of Dementia: a Systematic Review and Meta-analysis. *Can J Neurol Sci*. 2016 Apr;43 Suppl 1:S3-S50. doi: 10.1017/cjn.2016.18.
17. Jetté N, Maxwell CJ, **Fiest KM**, Hogan DB. Systematic Reviews and Meta-Analyses of the Incidence and Prevalence of Dementia and Its Commoner Neurodegenerative Causes. *Can J Neurol Sci*. 2016 Apr;43 Suppl 1:S1-2. doi: 10.1017/cjn.2016.38. No abstract available
18. Prisnie JC, **Fiest KM**, Coutts SB, Patten SB, Atta CA, Blaikie L, Bulloch AG, Demchuk A, Hill MD, Smith EE, Jetté N. Validating screening tools for depression in stroke and transient ischemic attack patients. *Int J Psychiatry Med*. 2016 Apr;51(3):262-77. doi: 10.1177/0091217416652616.
19. McKay KA, Tremlett H, Fisk JD, Patten SB, **Fiest KM**, Berrigan L, Marrie RA; CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECoMS). Adverse health behaviours are associated with depression and anxiety in multiple sclerosis: A prospective multisite study. *Mult Scler*. 2016 Apr;22(5):685-93. doi: 10.1177/1352458515599073.
20. Berrigan LI, Fisk JD, Patten SB, Tremlett H, Wolfson C, Warren S, **Fiest KM**, McKay KA, Marrie RA; CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECoMS). Health-related quality of life in multiple sclerosis: Direct and indirect effects of

- comorbidity. *Neurology*. 2016 Mar 9. pii: 10.1212/WNL.0000000000002564. [Epub ahead of print]
21. **Fiest KM**, Fisk JD, Patten SB, Tremlett H, Wolfson C, Warren S, McKay KA, Berrigan LI, Marrie RA; CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECoMS). Fatigue and Comorbidities in Multiple Sclerosis. *Int J MS Care*. 2016 Mar-Apr;18(2):96-104. doi: 10.7224/1537-2073.2015-070.
 22. **Fiest KM**, Marrie RA, Jette N, Bennett DA. The Standards of Reporting of Neurological Disorders (STROND) checklist: Application to multiple sclerosis. *Mult Scler*. 2016 Feb 26. pii: 1352458516634873. [Epub ahead of print]
 23. Patten SB, Williams JV, Lavorato DH, Bulloch AG, **Fiest KM**, Wang JL, Sajobi TT. Seasonal variation in major depressive episode prevalence in Canada. *Epidemiol Psychiatr Sci*. 2016 Jan 11:1-8. [Epub ahead of print]
 24. Atta CA, **Fiest KM**, Frolkis AD, Jette N, Pringsheim T, St Germaine-Smith C, Rajapakse T, Kaplan GG, Metcalfe A. Global Birth Prevalence of Spina Bifida by Folic Acid Fortification Status: A Systematic Review and Meta-Analysis. *Am J Public Health*. 2016 Jan;106(1):e24-34. doi: 10.2105/AJPH.2015.302902.
 25. Mah JK, Korngut L, **Fiest KM**, Dykeman J, Day LJ, Pringsheim T, Jette N. A Systematic Review and Meta-analysis on the Epidemiology of the Muscular Dystrophies. *Can J Neurol Sci*. 2016 Jan;43(1):163-77. doi: 10.1017/cjn.2015.311.
 26. **Fiest KM**, Walker JR, Bernstein CN, Graff LA, Zarychanski R, Abou-Setta AM, Patten SB, Sareen J, Bolton JM, Marriott JJ, Fisk JD, Singer A, Marrie RA; CIHR Team Defining the Burden and Managing the Effects of Psychiatric Comorbidity in Chronic Immunoinflammatory Disease. Systematic review and meta-analysis of interventions for depression and anxiety in persons with multiple sclerosis. *Mult Scler Relat Disord*. 2016 Jan;5:12-26. doi: 10.1016/j.msard.2015.10.004
 27. Raissi A, Bulloch AG, **Fiest KM**, McDonald K, Jetté N, Patten SB. Exploration of Undertreatment and Patterns of Treatment of Depression in Multiple Sclerosis. *Int J MS Care*. 2015 Nov-Dec;17(6):292-300. doi: 10.7224/1537-2073.2014-084.
 28. Bulloch AG, **Fiest KM**, Williams JV, Lavorato DH, Berzins SA, Jetté N, Pringsheim TM, Patten SB. Depression--a common disorder across a broad spectrum of neurological conditions: a cross-sectional nationally representative survey. *Gen Hosp Psychiatry*. 2015 Nov-Dec;37(6):507-12. doi: 10.1016/j.genhosppsy.2015.06.007.
 29. Kolesar TA, **Fiest KM**, Smith SD, Kornelsen J. Assessing Nociception by fMRI of the Human Spinal Cord: A Systematic Review. *Magn Reson Insights*. 2015 Oct 27;8(Suppl 1):31-9. doi: 10.4137/MRI.S23556.
 30. Sajobi TT, Jette N, Zhang Y, Patten SB, **Fiest KM**, Engbers JD, Lowerison MW, Wiebe S. Determinants of disease severity in adults with epilepsy: Results from the Neurological Diseases and Depression Study. *Epilepsy Behav*. 2015 Oct;51:170-5. doi: 10.1016/j.yebeh.2015.07.036.
 31. Sajobi TT, Jette N, **Fiest KM**, Patten SB, Engbers JD, Lowerison MW, Wiebe S. Correlates of disability related to seizures in persons with epilepsy. *Epilepsia*. 2015 Sep;56(9):1463-9. doi: 10.1111/epi.13102.
 32. **Fiest KM**, Fisk JD, Patten SB, Tremlett H, Wolfson C, Warren S, McKay KA, Berrigan L, Marrie RA; CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECoMS). Comorbidity is associated with pain-related activity limitations in multiple sclerosis. *Mult Scler Relat Disord*. 2015 Sep;4(5):470-6. doi: 10.1016/j.msard.2015.07.014.
 33. Patten SB, Burton JM, **Fiest KM**, Wiebe S, Bulloch AG, Koch M, Dobson KS, Metz LM, Maxwell CJ, Jetté N. Validity of four screening scales for major depression in MS. *Mult Scler*. 2015 Jul;21(8):1064-71. doi: 10.1177/1352458514559297

34. de Robles P, **Fiest KM**, Frolkis AD, Pringsheim T, Atta C, St Germaine-Smith C, Day L, Lam D, Jette N. The worldwide incidence and prevalence of primary brain tumors: a systematic review and meta-analysis. *Neuro Oncol*. 2015 Jun;17(6):776-83. doi: 10.1093/neuonc/nou283.
35. Patten SB, Williams JV, Lavorato DH, **Fiest KM**, Bulloch AG, Wang J. The prevalence of major depression is not changing. *Can J Psychiatry*. 2015 Jan;60(1):31-4.
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45. **Fiest KM**, Birbeck GL, Jacoby A, Jette N. Stigma in epilepsy. *Curr Neurol Neurosci Rep*. 2014 May;14(5):444. doi: 10.1007/s11910-014-0444-x.
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54. Sjonnesen K, Berzins S, **Fiest KM**, M Bulloch AG, Metz LM, Thombs BD, Patten SB. Evaluation of the 9-item Patient Health Questionnaire (PHQ-9) as an assessment instrument for symptoms of depression in patients with multiple sclerosis. *Postgrad Med*. 2012 Sep;124(5):69-77. doi: 10.3810/pgm.2012.09.2595.
55. **Fiest KM**, Currie SR, Williams JV, Wang J. Chronic conditions and major depression in community-dwelling older adults. *J Affect Disord*. 2011 Jun;131(1-3):172-8. doi: 10.1016/j.jad.2010.11.028.

ii) NON-PEER REVIEWED MANUSCRIPTS

iii) BOOKS, CHAPTER

iv) ABSTRACTS – PUBLISHED (PEER REVIEWED)

1. Hawaii Presentation
2. Karla presentation
3. McKay, KA, Tremlett, H, Patten, SB, Fisk, JD, Evans, C, Berrigan, L, **Fiest, KM**, Campbell, T, & Marrie RA. Determinants of non-adherence to disease-modifying therapies in multiple sclerosis - a cross-Canada prospective study. Presented at the American Academy of Neurology Annual Meeting, Vancouver, BC, April 2016.
4. Jette, N, Bulloch, AGM, Williams, J, Lavorato, D, **Fiest, KM**, & Patten, SB. Seizures matter! A national community-based survey of the impact of epilepsy on persons living with epilepsy. Presented at the American Epilepsy Society Annual Meeting, Philadelphia, PA, December 2015.
5. **Fiest, KM**, Wiebe, S, Patten, SB, Bulloch, AGM & Jette, N. Symptoms of Anxiety in Persons with Epilepsy. Presented at the International Epilepsy Congress, Istanbul, Turkey, September 2015.
6. Ismail Z, Elbayoumi H, Smith EE, Fischer C, Schweizer T, Millikin C, Hogan D, Patten S, **Fiest KM**. A Systematic Review and Meta-Analysis for the Prevalence of Depression in Mild Cognitive Impairment. Presented at Alzheimer's Association International Conference, Washington D.C, July 2015.
7. **Fiest, KM**, Fisk, J, Patten, SB, Tremlett, H, Wolfson, C, Warren, S, McKay, K, Berrigan, L & Marrie, RA for the CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECOMS). Comorbidity is associated with Pain in Multiple Sclerosis. Presented at the Consortium of Multiple Sclerosis Centers Annual Meeting, Indianapolis, IN, May 2015.
8. **Fiest, KM**, Fisk, J, Patten, SB, Tremlett, H, Wolfson, C, Warren, S, McKay, K, Berrigan, L & Marrie, RA for the CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECOMS). Comorbidity is associated with Pain and Fatigue in Multiple Sclerosis. Presented at the Neuroinflammation Symposium and MB-ON endMS RRTC Meeting, Toronto, ON, April 2015.
9. McKay, KA, Tremlett, H, Fisk, J, Patten, SB, **Fiest, KM**, Berrigan, L, & Marrie, RA for the CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECOMS).

Adverse health behaviours are associated with depression and anxiety in multiple sclerosis: a prospective multi-site study. Presented at the Neuroinflammation Symposium and MB-ON endMS RRTC Meeting, Toronto, ON, April 2015.

10. **Fiest, KM**, Fisk, J, Patten, SB, Tremlett, H, Wolfson, C, Warren, S, McKay, K, Berrigan, L & Marrie, RA for the CIHR Team in the Epidemiology and Impact of Comorbidity on Multiple Sclerosis (ECOMS). Comorbidity is associated with Pain and Fatigue in Multiple Sclerosis. Presented at the American Academy of Neurology Annual Meeting, Washington, DC, April 2015.
11. Ismail, Z, Elbayoumi, H, Fischer, C, Hogan, D, Millikin, C, Schweizer, T, Smith, EE, Patten, SB & **Fiest, KM**. Depression in Mild Cognitive Impairment: A Systematic Review. Presented at the Sebastian K. Littmann Annual Psychiatry Research Day, Calgary, AB, March 2015.
12. **Fiest, KM**, Patten, SB, Altura, KC, Bulloch, AGM, Maxwell, CJ, Wiebe, S, Macrodimitris, S, & Jette, N. Patterns and Frequency of the Treatment of Depression in Persons with Epilepsy. Presented at the American Epilepsy Society Annual Meeting, Seattle, WA, December 2014.
13. Jette, N, Patten, SB, Wiebe, S, Bulloch, AGM, Macrodimitris, S, & **Fiest, KM**. Quality of life in persons with epilepsy. Presented at the American Epilepsy Society Annual Meeting, Seattle, WA, December 2014.
14. Altura, KC, **Fiest, KM**, & Jette, N. Suicidal ideation in persons with neurological conditions. Presented at the Undergraduate Research Symposium, Calgary, AB, November, 2014.
15. **Fiest, KM**, Patten, SB, Bulloch, AGM, Wiebe, S, & Jette, N. Tools to screen for depression in epilepsy. Presented at the Calgary Epilepsy Program Research Retreat, Calgary, AB, March 2014.
16. **Fiest, KM**, Jette, N, Bulloch, AGM, Wiebe, S, & Patten, SB. Tools to screen for depression in epilepsy. Presented at the Sebastian K. Littmann Annual Psychiatry Research Day, Calgary, AB, March 2014.
17. Sajobi, T, Wiebe, S, Jette, N, Patten, S, Engbers, J, **Fiest, KM**, & Lowerison, M. Global Assessment of epilepsy-related disability scale: a new measure of disability in an epilepsy patient population. Presented at the American Epilepsy Society Annual Meeting, Washington, DC, December 2013.
18. Wiebe, S, Sajobi, T, Jette, N, Patten, S, Engbers, J, **Fiest, KM**, & Lowerison, M. Construct validity of Global Assessment Severity of Epilepsy (GASE) scale in adult epilepsy population. Presented at the American Epilepsy Society Annual Meeting, Washington, DC, December 2013.
19. **Fiest, KM**, Patten, SB, Bulloch, AGM, Wiebe, S & Jette, N. The best tool to screen for depression in persons with epilepsy. Presented at the American Epilepsy Society Annual Meeting, Washington, DC, December 2013.
20. Jette, N, **Fiest, KM**, Bulloch, AGM, Blaikie, L, Atta, C, Carroll, C, Wiebe, S, Dobson, K, Macrodimitris, S & Patten, SB. The Neurological Disease and Depression Study (NEEDS): Description of the Epilepsy Cohort. Presented at the American Epilepsy Society Annual Meeting, Washington, DC, December 2013.
21. Viner, B, Patten, SB, Berzins, S & **Fiest, KM**. Prevalence and risk factors of suicidal ideation in the MS population. Presented at the Canadian Academy of Psychiatric Epidemiology annual meeting, Ottawa, ON, September 2013.
22. Ernert, T, **Fiest, KM**, Williams, JVA, Lavorato, D, Bulloch, AGM, & Patten, SB. A population-based study of depression in persons with Parkinson's Disease. Presented at the Campus Alberta Student Conference on Health, Banff, AB, September 2013.
23. **Fiest, KM**, Jette, N, Quan, H, Patten, S, St. Germaine-Smith, C, Metcalfe, A, Beck, C. Validation of depression coding in administrative data and recommendations for case ascertainment. Presented at the International Federation of Psychiatric Epidemiology Meeting, Leipzig, Germany, June 2013.

24. **Fiest, KM**, Patten, SB, Dykeman, J, Wiebe, S, Lowerison, M, Bulloch, AGM, Atta, C, Blaikie, L, Carroll, C & Jette, N. The Neurological Disease and Depression Study (NEEDS): Challenges in Epilepsy. Presented at the International Epilepsy Congress Meeting, Montreal, QC, June 2013.
25. **Fiest, KM**, Dykeman, J, Eliasziw, M, Parrent, A & Wiebe, S. Clinically important improvement in quality of life in medically and surgically treated patients with epilepsy: Results from a randomized controlled trial. Presented at the International Epilepsy Congress Meeting, Montreal, QC, June 2013 (Platform Presentation).
26. Wiebe, S, **Fiest, KM**, Dykeman, J, Parrent, A & Eliasziw, M. Impact of seizure frequency on improvement in quality of life in medically and surgically treated patients with epilepsy: results from a randomized controlled trial. Presented at the International Epilepsy Congress Meeting, Montreal, QC, June 2013.
27. Jette, N, Pringsheim, T, Day, L, de Robles, P, **Fiest, KM**, Hamilton, M, Hogan, D, Korngut, L, Kwon, C, Lam, D, Mah, J, Marrie, R, Maxwell, C, Metcalfe, A, Oskoui, M, Patten, S, Pearson, D, Reid, A, Smith, E, Steeves, T, Svenson, L, Wiebe, S & Dykeman, J. The international incidence and prevalence of neurological diseases: “Do we really know how common neurological conditions are? Challenges in Interpreting International Epidemiological Studies. Presented at the American Academy of Neurology Annual Meeting, San Diego, CA, March 2013.
28. **Fiest, KM**, Jette, N, Dykeman, J, Wiebe, S, Lowerison, M, Bulloch, AGM, Atta, C, Blaikie, L, Carroll, C & Patten, SB. The Neurological Disease and Depression Study (NEEDS): Challenges in Epilepsy. Presented at the 2013 Sebastian K. Littmann Research Day, Calgary, AB, March 2013.
29. **Fiest, KM**, Dykeman, J, Liu, XR, Patten, S, Jette, N & Wiebe, S. Satisfaction with epilepsy treatment in patients with epilepsy: A systematic review. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
30. Wiebe, N.K., **Fiest, KM**, Dykeman, J, Liu, XR, Jette, N, Patten, S, Wiebe, S. Satisfaction with epilepsy care: A systematic review. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
31. Dykeman J, Kwon CS, Dhaliwal H, **Fiest KM**, Wiebe S, Patten S, Pringsheim T & Jette N. The worldwide prevalence of epilepsy: A systematic review and meta-analysis. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
32. Jetté N, Kwon CS, Dhaliwal H, Mansoor N, Sauro K, **Fiest KM**, Wiebe S, Patten S, Pringsheim T & Dykeman J. The incidence of epilepsy: a systematic-review and meta-analysis. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
33. Wiebe, S, Kiss, Z, Ahmed, N, Andrade, D, Brownstone, R, Del Campo, M, Dykeman, J, **Fiest, KM**, Gross, D, Jette, N, Lowerison, M, McLachlan, R, Parrent, A, Pillay, N, Sadler, M, Save, S, Sherman, E, Valiante, T, Wennberg, M, Wheatley, M & Eliasziw, M. Medical vs electrical therapy for mesial temporal lobe epilepsy: A multicenter randomized trial. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
34. Lowerison, MW, Dykeman, J, **Fiest, KM**, Aghakani, Y, Wiebe, S & Liu, XR Factors associated with seizure remission in adult idiopathic generalized epilepsy: A systematic review. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
35. Josephson, CB, Dykeman, J, **Fiest, KM**, Liu, XR, Sadler, RM, Jette, N & Wiebe, S. Seizure freedom following standard anterior temporal lobectomy compared to selective amygdalohippocamectomy: A systematic review and meta-analysis. Presented at the American Epilepsy Society Annual Meeting, San Diego, CA, December 2012.
36. **Fiest, KM**, Berzins, S, Sjonnesen, K, Williams, J, Lavorato, D, Bulloch, A & Patten S. Depressive symptoms in multiple sclerosis patients versus the general population. Presented at the

Canadian Academy of Psychiatric Epidemiology Annual Meeting, Montreal, QC, September 2012.

37. Sjonnesen, K, Berzins, S, **Fiest, KM**, Williams, J, Lavorato, D, Bulloch, A & Patten, S. Assessing the patient health questionnaire to screen for major depression in multiple sclerosis patients. Presented at the Canadian Academy of Psychiatric Epidemiology Annual Meeting, Montreal, QC, September 2012.
38. Beck, CA, **Fiest, KM**, St. Germaine-Smith, C, Jette, N, Metcalfe, A, Hemmelgarn, B, Quan, H, & Jette N. How valid are administrative data for studying depression? A systematic review. Presented at the Canadian Psychiatric Association Annual Meeting, Montreal, QC, September 2012.
39. **Fiest, KM**, Dykeman, J, Patten, SB, Wiebe, S, Kaplan, GG, Maxwell, CJ, Bulloch, AGM, & Jette, N. Depression in Epilepsy: A Systematic Review and Meta-Analysis. Presented at the Canadian League Against Epilepsy Annual Meeting, Calgary, AB, October 2012.
40. **Fiest, KM**, Dykeman, J, Jette, N, Wiebe, S, Kaplan, GG, & Patten, SB. Measuring Depression in Epilepsy: A Systematic Review and Meta-Analysis. Presented at the Society for Epidemiologic Research Annual Meeting, Minneapolis, MN, June 2012.
41. **Fiest, KM**, St. Germaine-Smith, C, Jette, N, Metcalfe, A, Hemmelgarn, B, Quan, H, & Beck C. Validity of Administrative Data for Identifying Depression – A Systematic Review. Presented at the Society for Epidemiologic Research Annual Meeting, Minneapolis, MN, June 2012.
42. Mah, S, Roberts, J, Dykeman, J, **Fiest, KM**, Casha, S, Cunningham, C, Smith, C, Pringsheim, T, & Jette, N. The Incidence and Prevalence of Spinal Cord Injury: A Systematic Review & Meta-Analysis. Presented at the Canadian Neurological Sciences Federation conference, Ottawa, ON, June 2012.
43. Roberts, J, Hogan, D, **Fiest, KM**, Smith, C, Jette, N, & Maxwell, C. The Incidence & Prevalence of Dementia: A Systematic Review & Meta-Analysis. Presented at the Canadian Neurological Sciences Federation conference, Ottawa, ON, June 2012.
44. **Fiest, KM**, Dykeman, J, Patten, SB, Kaplan, GG, Wiebe, S, & Jette, N. The Relationship between Depression & Epilepsy: A Systematic Review and Meta-Analysis. Presented at the American Academy of Neurology, New Orleans, LA, April 2012.
45. **Fiest, KM**, Dykeman, J, Jette, N, Wiebe, S, Kaplan, GG, & Patten, SB. Depression in Epilepsy: A Systematic Review and Meta-Analysis. Presented at the CRGI Research Day, Edmonton, AB, March 2012.
46. **Fiest, KM**, Dykeman, J, Jette, N, Wiebe, S, Kaplan, GG, & Patten, SB. Measuring Depression in Epilepsy: A Systematic Review and Meta-Analysis. Presented at the 2012 Sebastian K. Littmann Research Day, Calgary, AB, February 2012.
47. **Fiest, KM**, Wang, J., Williams, JVA, & Currie, SR. Homecare Needs in Community-Dwelling Seniors with Major Depression. Presented at the Canadian Academy of Psychiatric Epidemiology, Vancouver, BC, October 2011.
48. **Fiest, KM**, Currie, SR, Williams, JVA, & Wang, J. Chronic Conditions and Major Depression in Community-Dwelling Older Adults. Presented at the International Congress of Epidemiology, Edinburgh, Scotland, August 2011.
49. Cook, T, **Fiest, KM**, & Wang, J. Low social support as a risk factor for a major depressive episode in Canadian community-dwelling seniors. Presented at the International Congress of Epidemiology, Edinburgh, Scotland, August 2011.

v) COMMUNICATIONS

XI. MOST SIGNIFICANT CONTRIBUTIONS TO RESEARCH

1. H-Index: 12
2. Total Number of Citations: 476
3. 2015-2017. Postdoctoral Fellowship Award, Canadian Institutes of Health Research (CIHR) (declined) (\$90,000). **Ranked #1 out of 1119 applicants across Canada**
4. **Fiest, KM**, Dykeman, J, Patten, SB, Wiebe, S, Kaplan, GG, Maxwell, CJ, Bulloch, AGM, & Jette, N. (2013). Depression in Epilepsy: A Systematic Review and Meta-Analysis. *Neurology*, 80(6): 590-599. With an accompanying editorial and podcast.
5. Selected as first continuing education focus paper for:
Fiest, KM, Patten, SB, Fisk, JD, Tremlett, H, Wolfson, C, McKay, K, Berrigan, L, Warren, S & Marrie, RA for the CIHR Team in the Epidemiology and Impact of Comorbidities on Multiple Sclerosis (ECOMS). Fatigue and comorbidities in multiple sclerosis. *International Journal of MS Care* 2015 in press.

XII. RESEARCH THEMES OF INTEREST

1. Psychiatric and cognitive outcomes in the critically ill
2. Psychiatric comorbidities (depression, anxiety) in chronic health conditions (epilepsy, multiple sclerosis, inflammatory bowel disease)
3. Systematic reviews and meta-analyses