

Curriculum Vitae: Xin-Min Li, M.D., Ph.D., FRCPC

Professor, Department of Psychiatry
Associate Dean, International Relations
Capital Health Chair in Mental Health Research
Faculty of Medicine and Dentistry, University of Alberta
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Education

- 1996-1999 Residency training in Psychiatry, College of Medicine, **University of Saskatchewan**, Saskatoon, SK, Canada
- 1994 Research Fellow, Neuroscience Research, Laboratory for Molecular and Developmental Neuroscience, Department of Psychiatry, **Harvard Medical School**, Boston, MA, USA
- 1988-1992 Postdoctoral Fellow, Neuropsychiatry Research Unit, Department of Psychiatry, College of Medicine, **University of Saskatchewan**, Saskatoon, SK, Canada
- 1988 Ph.D. Physiology, **Norman Bethune University of Medical Sciences**, Changchun, China, *Neuroprotective Effects of Ginsenosides*.
- 1982 M.D. Medicine, **Norman Bethune University of Medical Sciences**, Changchun, China

Professional Credentials

- 1999 **Fellow of Royal College of Physicians of Canada (FRCPC)**
- 1998 Licentiate of the Medical Council of Canada, No. 83366

Personal Strategic Track and Vision

In Canada, mental illness is the second leading cause of disability and premature death with annual economic costs far exceeding the 2012 estimate of \$51 Billion per year. In over 50 years we have seen improved side-effect profiles of drugs in this context but not much improvement in burgeoning costs of industry investment into R & D in this area. Current expert consensus focuses on a need to explore more fully the components of diagnostic classification, including the idea that development of big data and brain-science based criteria should replace the emphasis on current diagnostic systems. I plan to extend my successful history of preclinical laboratory work to an analysis of these mechanisms in the context of human studies, using AI and machine learning to identify unique phenotypic biomarkers in the context of the new area of precision medicine. This work is being accomplished in collaboration with other experts in psychiatry, neuroscience and other areas of health sciences within and beyond the University of Alberta. Current research projects include collaborations related to lifespan developmental changes in this context with respect to psychotherapeutic drug responses and brain effects in adolescents, adults and

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elderly populations and an assessment of the critical problems of treatment-resistance and poor prognosis in relation to both early disease onset and comorbidity for mental disorders.

As a Principal Investigator, I have received continuous research support from provincial, national and international peer reviewed sources including the Canadian Institutes of Health Research (CIHR), Manitoba Health Research Council (MHRC), the Canadian Psychiatric Research Foundation (CPRF), the Alzheimer's Society of Canada, Schizophrenia societies, and pharmaceutical companies. I have also been supported by the National Natural Science Foundation of China (NSFC).

University of Alberta, Faculty of Medicine and Dentistry

2020-present Associate Dean, International Relations
2018-2020 Assistant Dean of Medical Education (Liasion to China)
2013-2020 Professor and Chair, Department of Psychiatry
2013-Present Capital Health Chair in Mental Health Research
2013-2018 Special Advisor to the Dean on China Research Initiatives

Other Academic and Professional Experience

2010-2013 Director, Neuroscience Research Program, Faculty of Medicine, University of Manitoba, MB, Canada
2009-2010 Assistant Dean, International Medical Graduate Education, University of Manitoba, MB, Canada
2007-2013 Director, International Medical Graduate Program, University of Manitoba, MB, Canada
2007-2013 Professor and Ruth Hurd Research Chair, Department of Psychiatry, University of Manitoba, MB, Canada
2007-2016 Professor, Departments of Human Anatomy and Cell Science, University of Manitoba, MB, Canada
2007-2016 Professor, Department of Pharmacology and Therapeutics, University of Manitoba, MB, Canada
2005-2007 Director, Clinician Investigator Program, University of Saskatchewan, SK, Canada
2001-2007 Professor of Psychiatry (Tenured), University of Saskatchewan, SK, Canada
2000-2007 Director, Neuropsychiatry Research Unit, University of Saskatchewan, Canada
1992-1996 Assistant Professor of Psychiatry, University of Saskatchewan, SK, Canada

Advisor to Government or industry

2019 Mental Health and Addictions Advisory Council, Alberta Health
2010 Scientific Advisory Board Member, Alzheimer Society of Canada
2000 Scientific Advisory Board Member, Canadian Psychiatric Research Foundation

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