

Dr Andrew Moulden Resume

Dr Andrew Moulden BA, MA, MD, PhD

Academic Achievements

1997-2000

M.D.

McMaster University Hamilton, ON

LMCC – Licentiate of the Medical Council of Canada #101894 (12-14-06)

05/05/1999 Ph.D.

University of Ottawa (1992-94) Ottawa, ON

Rotman Research Institute, University of Toronto (94-98) Toronto, ON

Concentration in : Clinical-Experimental Neuropsychology with Specialization in Neuroscience, and neurophysiology.
Clusters: Neurophysiology, Clinical Psychology, Neuropsychology, Cognitive Neuroscience, Electrophysiology (Event Related Potentials), Signal Extraction Theory, Functional Neuroimaging, Neurophysiology.

U of O Sub-specialization: Basic & Applied Neurosciences

Comprehensive Exam: Cognitive impairment following Mild Head Injury and the chronic post-concussion syndrome - hypoxic states.

Advisors: T.W. Picton (neurology) and Donald T. Stuss (neuropsychology)

Rotman Research Institute, Baycrest Centre for Geriatric Care, Univ. of Toronto

Thesis: Neurophysiological mechanisms of task-switching in human subjects (signal extraction theory and electrophysiological diagnostics)

Thesis advisor: T.W. Picton, M.D. , Ph.D. (Rotman Research Institute of Baycrest Center for Geriatric Care, University of Toronto)

20/05/1993 M.A.

Laurentian University Sudbury, ON

Child Development and Developmental Neuropsychology

Brain development psychometrics

Thesis: Development of the dichotic right ear advantage for the inferred lateralization of language – neuropsychometrics, theory, and application.

Thesis advisor: M.A. Persinger, Ph.D., C. Psych.

24/05/1990 B.A. (cum laude)

Nipissing-Laurentian University North Bay, ON

Concentration in neurobiological Psychology

Minor in Canadian Law and Justice

Clinical Practical

Current Training Post-graduate Medical Education – University of Toronto

Psychiatry (Neuropsychiatry)

Specialization: Neuropsychiatry/Behavioral Neurology

07/2000 – 12/2000 University of Ottawa

Post-graduate Medical Education – residency training

Psychiatry

09/1999 Ottawa General Hospital, Rehabilitation Centre Ottawa, ON

1 month elective in Psychiatry

08/1999 Ottawa Civic Hospital, Dept of Neurology Ottawa, ON

1 month elective in clinical neurology

11/1998 – 12/1998 Ottawa General Hospital, Dept of Neurology Ottawa, ON

1 month elective in clinical neurology

02/1996 – 08/1996 Credit Valley Hospital, Dept of Psychology Mississauga, ON

Dept. of Mental Health, Child & Family Services

1,000 hour practicum in Clinical psychology & neuropsychology

11/1995 – 02/1996 Baycrest Center for Geriatric Care, Dept of Psychology North York, ON

practicum in clinical neuropsychology

02/1993-08/1993 Ottawa General Hospital, Dept of Psychology Ottawa, ON

practicum in Memory Disorders Clinic (neuropsychology)

03/1993 Royal Ottawa Hospital, Dept. of Psychology Ottawa, ON

Practicum in neuropsychology

Publications

2008/2011 USA patent applications – in prep twenty (plus) patents pending for targeted treatments, diagnostics,

prognostics of childhood neurodevelopmental disorders, vital sign monitoring, medical physiology, pathology, neurodiagnostics, and therapeutics. (2008-2011)

In prep (hold until 2010 – Intellectual property) Moulden, A., Carley, R, & Tenpenny, S. A. Tolerance Lost: M.A.S.S. Disorders on a MASS scale: How vaccinations cause strokes, chronic illness, disease, and death.(2009).

In prep (hold until 2010 – Intellectual property) Moulden, A. Masimo SET and the CNAPS Neuralyzer: The Only solution to patient health and non-invasive medical monitoring innovation: Imposing free market on G.P.O’s. (2011).

In prep (hold until 2010 – Intellectual property) Moulden, A. Diagnosing myocardial infarction and ischemic stroke before overt clinical signs appear. Advanced warning through medical monitoring diagnostics. (2011).

In prep (hold until 2010 – Intellectual property) Moulden, A. Preventing morbidity in the surgical theatre, emergency room, and hospital wards. Medical monitoring in the 21st century (2011)

In prep (hold until 2010 – Intellectual property) Moulden, A. CAP-SAT Monitoring: Right idea, wrong approach, missing links. Medical monitoring redeployment in hospital and community based telemetry. (2011)

In prep (hold until 2010 – Intellectual property) Moulden, A. A Vital sign more vital than vital signs. (2011)

In prep (hold until 2010 – Intellectual property) Moulden, A. Specificity and sensitivity in neurophysiological monitoring. Signal Extraction Theory in clinical practice, electrophysiology, and neurodiagnostics. (2011).

In prep (hold until 2010 – Intellectual property) Moulden, A. The physiological basis of schizophrenia: Non-invasive monitoring, diagnosing, predicting, and preventing the neuropathophysiological cascade. (2011).

In prep (hold until 2010 – Intellectual property) Moulden, A. Preventing retinopathy of prematurity, diabetic retinopathy, peripheral neuropathy, and acute renal failure: The physiological basis of Insulin Dependent Diabetes Mellitus (2011)

In prep (hold until 2009 – Intellectual property) Moulden, A. Group Purchasing Organizations and medical devices: A Fast Fourier Transformation for unhealthy corporate practices causing MASS disorders. (2010)

In prep (hold until 2009 – Intellectual property) Moulden, A. (2011). Pulse oximetry in clinical medicine and surgical theatres: What we have been missing, in theory and in practice.

In prep (hold until 2009 – Intellectual property) Moulden, A. (2009). Explaining the “unexplained” cause of death: Monitoring, diagnostics, and intervention.

In prep (hold until 2009 – Intellectual property) Moulden A. (2010). Signal extraction theory and a new non-invasively monitored vital sign for clinical medicine:

Intellectual Property (holding from publication) Moulden A. A new method for treating and preventing childhood seizure disorders and epilepsy. (2010).

Intellectual Property (holding from publication) Moulden, A. New treatment strategies targeting the neurophysiology of childhood neurodevelopmental disorders. (2010)

Intellectual Property (holding from publication) Moulden, A. Childhood disintegrative disorder, Reye’ syndrome, specific learning disabilities, and childhood aphasic syndromes: The missing links. (2010).

Intellectual Property (holding from publication) Moulden, A. Attention Deficit Disorders (ADD): Prevention and treatment in the 21st century: A new approach targeting neurophysiology. (2010)

Intellectual Property (holding from publication) Moulden, A. The cause and prevention of Sudden Infant Death Syndrome (SIDS) and Acute Life Threatening Events (ATLE). (2010)

Intellectual Property (holding from publication) Moulden, A. The epidemiological fallacy in neurophysiology, etiology of human disease states, and between subjects parametric measures. (2010).

Intellectual Property (holding from publication) Moulden, A. (2009). Medical neurophysiology. Where we went wrong (2009).

Intellectual Property (holding from publication) Moulden, A. (2009). Medical Pathology: Post hoc ergo sum erratum (2009).

Intellectual Property (holding from publication) Moulden, A. Where is the brain lesion in Autism: Is this the right question? (2009)

(Intellectual property (holding from publication) Moulden, A. MASS (Moulden Anoxia Spectra Syndrome) disorders in diagnostics, monitoring, prevention, prediction, treatment, and cures (2009).

In prep (Intellectual property – holding from publication) Moulden, A. Pathophysiological basis of neurodevelopmental disorders and Sudden Infant Death Syndrome (SIDS): How to prevent morbidity. (2009)

In prep (Intellectual property – holding from publication) Moulden, A. MASS (Moulden A. Spectra Syndrome) and autism-spectrum disorders: Proof causation proven: The medical model, temporal, and cause-effect missing links for the National Childhood Vaccine Injury Compensation Act – Public Health Law 66-99 under fire. (2009)

(Intellectual property - holding from publication) Moulden, A. Clinical and applied neurodiagnostics for minimal brain damage risk assessment and prevention. (2009)

BIT Life Sciences: 1st Annual World Congress of Vaccinology Dec. 1-5, Guangzhou, China Chairman Session 46:

“Demand on technology development and oversight for vaccines.”

“How to improve herd immunity, public confidence, and informed “consent” in vaccinology. M.A.S.S. physiology re-defines the “Germ Theory” of Pasteur.

US Federal Circuit Courts: Case XXXXX

Aug. 15, 2008 The case of Dr. XXXXXX. How a combined Hepatitis A / Hepatitis B vaccine caused profound medical morbidities and permanent brain damage. The M.A.S.S. mammalian disease model revealed.

U.S.A. Provisional Patent application MASS (Moulden A. Spectra Syndrome) Disorders. MASS disorders on a mass scale (2008)

In revision Moulden, J.A., Persinger, M.A. Delayed left ear compared to right ear accuracy during development (6-15

- years) as indicated by Robert's new Dichotic Word Listening test. *Neuropsychologica* (in revision) 2004
- The Efficacy of Transcranial Magnetic Stimulation (TMS) in Treating Depression. Part 2: Ontario Psychiatric Association, Dialogue, Sept. 2004, 21.
2004
- Transcranial Magnetic Stimulation (TMS) in Neuropsychiatry. Part 1: "Fields" of the Future. Ontario Psychiatric Association, Dialogue, June, 2004, 23.
- 2004 Moulden, D.J.A. Detecting malingered memory impairment in neuropsychiatry: Part Two. OPA Dialogue, Mar., 2004, 17-23.
- 2003 Moulden, D.J.A. Detecting malingered memory impairment in neuropsychiatry: Part One. OPA Dialogue, Dec., 2003, 24.
- 2001 (6-13-01) Moulden, A. (2001). Congenital rubella Syndrome: A new model of developmental disorders. 1-136. Submitted to the College of Physicians and Surgeons of Ontario.
- 2000 Moulden, A., Persinger, M.A. Delayed left ear accuracy during childhood and early adolescence as indicated by Robert's Dichotic Word Listening Test. *Perceptual and Motor Skills*, 2000, 90, 893-898.
- 1999 Persinger, M.A., Moulden, J.A., & Richards, P.M. Incremental improvement of Dichotic left ear accuracy and tonognosis between 9 and 10 years of age: Implications for maturation of a portion of the corpus callosum and a sense of self. *Laterality: Asymmetries of body, brain and cognition*, 1999; 4(4) 379-387.
- 1999 Moulden, D.J.A., Physiological mechanisms of task-switching in human subjects, Ph.D. thesis, University of Ottawa, Ottawa, Ont 1-163. http://www.collectionscanada.gc.ca/obj/s4/f2/dsk1/tape10/PQDD_0016/NQ46536.pdf
- 1998 Moulden, D.J.A., Picton, T.W., Meiran, N., Stuss, D.T., Riera, J.J. & Valdes Sosa, P., Event-related potentials when switching attention between task-sets, *Brain and cognition*, 37, 186-190.
- 1997 Moulden, D.J.A., Picton, T.W., & Stuss, D.T., Event-related potential (ERP) evidence of right pre-frontal activity during a visuospatial working memory task, *Brain and cognition*, 35, 392-395.
- 1996 Moulden, D.J.A., Cognitive impairment following mild head injury and the chronic post-concussion syndrome, 1-122. HIAT: Toronto.
- 1996 Moulden, (D.) J.A., & Persinger, M.A., Visuospatial/Vocabulary differences in boys and girls and a potential age dependent drift in vocabulary proficiency, *Perceptual and motor skills*, 82, 472-474.
- 1994 Roberts, M., Persinger, M., Grote, C., Evertowski, L., Tuten, T., Moulden, D., Franzen, K., Roberts, R., & Baglio, C., The dichotic word listening test: preliminary observations in American and Canadian samples, *Applied neuropsychology*, 1, 45-56.
- 1992 Moulden, D.J.A., Development of the dichotic right ear advantage for the inferred lateralization of language: dichotic word listening norms, Unpublished M.A. thesis, Laurentian University, Sudbury, Ontario, 1-97.
- 1991 Moulden, D.J.A., Biomechanical and psychological concerns in the design and analysis of above and below-knee prostheses, *Journal of patterns of movement in children*, 1, 34-39.
- 1991 Moulden, D.J.A., Physiological effects and therapeutic concerns of strength training in children with muscular dystrophy, *Journal of patterns of movement in children*, 1, 8-15.

Communications & seminars/posters

2008, April Expert Witness United States Federal Circuit Courts & Vaccine Injury, medical, immunological, and neurophysiological morbidities.

Case 1: Arizona

Case 2: Pennsylvania

Case 3: California

Case 4:xxxx

Case 5:xxxx

Case 6:xxxx

Case 7:xxx

2007, November Thoughtful House Center for Children

Austin, Texas

"MASS (Moulden A. Spectra Syndrome) Disorders: a Primer"

2004, September Moncton General Hospital

Moncton, NB

"Post traumatic stress disorder after gun-point robbery"

2003, October OPA Annual General Meeting (Resident Keynote Speaker)

Toronto, ON

A case of Mersyndol abuse.

11/2000 21st Annual Research day (seminar) Ottawa, ON

"Topographic and Temporal dissociation of the human visual P300: Distinct intracerebral generators in an attention switching paradigm."

Institute Mental Health Research, Royal Ottawa Hospital

06/1997 8th Annual TENNET meeting (poster) Montreal, QC

"Event-related potential indices of posterior and frontal cognitive processes during the switching of attention between task-sets."

Theoretical and Experimental Neuropsychology

04/1997 Alzheimer's Society of Metropolitan Toronto (seminar) Toronto, ON

Public Speakers Bureau Meeting: Alzheimer's Society for Metro Toronto

"Age Associated Memory Impairment: Normal forgetting vs. Dementia"

03/1997 4th International Cognitive Neuroscience Society Boston, Mass., USA.

(poster)

"Event-related potential indices of posterior and anterior processing stages during visuomotor task-set switching."

03/1997 7th Annual Rotman Research Institute Conference (poster) Toronto, ON

"Event-related potential evidence of right pre-frontal activity during a visuospatial working memory task"

Memory Disorders: Advances in Science and Clinical Practice

02/1997 Alzheimer's Society of Metropolitan Toronto (seminar) Toronto, ON

"Dementia: differential diagnosis, treatable causes, and effects on the family"

Four Villages Community Center, Community Awareness Symposia

08/1996 Credit Valley Hospital (seminar) Mississauga, ON

"Cognitive-Behavioral Therapy and Stress Management for Anxiety Disorders"

Outpatient Mental Health Community Awareness Colloquium

04/1996 Cognitive Neuroscience Society (poster) San Francisco, CA, USA

"Event-related potentials during" task-set switching"

03/1996 Sixth Annual Rotman Research Institute Conference (poster) Toronto, ON

Functional Neuroimaging: Advances and Applications

"Event-related potentials during the switching of attention"

02/1996 Rotman Research Rounds (seminar) Toronto, ON

"Physiological mechanisms of attentional control"

Rotman Research Institute

02/1995 Rotman Research Institute Rounds (seminar) Toronto, ON

"Neuropsychopharmacology of the Biogenic Amines"

Rotman Research Institute

scholarships

1996-1997 The Roeher Institute & Scottish Rite Charitable Foundation of Canada – Student Research Grant

Rotman Research Institute Toronto, ON

Value: \$5,550.00

Conditions: Open National competition for 1 of 8 awards in the field of intellectual disability

1998, 1996-1997

and 1995-1996 Rotman Research Institute (Fellowship)

Rotman Research Institute, Baycrest Centre Toronto, ON

Value: \$15,000.00

Conditions: Research assistantship and work on Ph.D. thesis

1995-1996 Jack Catherall Scholarship (Cognitive Neuroscience)

University of Toronto Toronto, ON

Value: \$3,000.00

Conditions: Neuroscience Research proposal and work on Ph.D.

1996-1997, 1995-1996

and 1994-1995 Ontario Mental Health Foundation Scholarship (OMHF)

Rotman Research Institute Toronto, ON

Value: \$48,000.00

Conditions: Academic/research merit. Ontario resident. Mental health field of study. 1 of 4 student awards per/annum

1994 International Order of the Daughters of the Empire (IODE) Scholarship

Ottawa, ON

Value: \$8,000

Conditions: Academic merit. 1 of 8 student awards per/annum in open competition, all fields of study across Canada.

(declined award – also received OMHF award that year)

1993-1994 and

1992-1993 University of Ottawa Supplemental Research Scholarship

University of Ottawa Ottawa, ON

Value: \$6,000.00

Conditions: Academic merit

1992, 1993, 1994,

1995, 1996 & 1997 University of Ottawa Excellence Scholarship

University of Ottawa Ottawa, ON

Rotman Research Institute Toronto, ON

Value: 5 Tuition Fee Waivers

Conditions: Academic/Research merit

1993-1994 and

1992-1993 Natural Sciences & Engineering Research Council of Canada Scholarships (NSERC)

University of Ottawa, Ph.D. (Clinical Psychology) Ottawa, ON

Value: \$34,800.00

Conditions: Open national competition based on research potential

1992-1993 Ontario Graduate Scholarship
 University of Ottawa, Ph.D. (Psychology) Ottawa, ON
 Value: \$11,298.00
 Conditions: Open provincial competition based upon academic excellence
 (declined award – also received NSERC award that year)
 1991-1992 and
 1990-1991 Ontario Graduate Scholarship
 Laurentian University Sudbury, ON
 Value: \$11,298.00
 Conditions: Open provincial competition based upon academic excellence
 1991 Laurentian University Summer Research Fellowship
 Laurentian University Sudbury, ON
 Value: \$2,315.00
 Conditions: Research on M.A. thesis
 1989 and 1990 Carl Sanders Scholarship
 Nipissing-Laurentian University North Bay, ON
 Value: \$1,200.00
 Conditions: Academic average > 80%

Academic Awards & prizes

2000 21st Annual Research Day, Royal Ottawa Hospital
 University of Ottawa Ottawa, ON
 Award: Best research presentation by a trainee
 Value: \$500.00
 1997 Scott Rafter Memorial Award
 University of Ottawa Ottawa, ON
 Value: \$500.00
 Purpose: Awarded to the top ranked student in the 3rd-6th year in the Clinical psychology program, who has demonstrated excellence in both clinical work and research.

1994
 Ontario Psychological Association (OPA-SOSIP) Best Thesis Contest Prize
 Award: Best Thesis Contest (Masters category)
 Value: \$100.00 & 1 year free membership
 Conditions: Best M.A. thesis among 1993 pool of Ontario students graduating with a M.A. degree in Psychology.
 1991 North Bay Nugget Psychology Honour Award
 Nipissing-Laurentian University North Bay, ON
 Value: \$100.00
 Conditions: Graduating student with the highest concentration average in psychology (88%).
 1990 Alumni Graduate Excellence Award
 Laurentian University Sudbury, ON
 Value: \$1,783.00 (Tuition fees)
 Conditions: Awarded to the first year Graduate student who has the highest grade point average, amongst the entering classes, in the last two years of the undergraduate degree (90% average)
 1990 J.W. Trusler Proficiency Award in Psychology
 Nipissing-Laurentian University North Bay, ON
 Value: \$300.00
 Conditions: Graduating student with the highest concentration average in psychology (13 courses - 88% cumulative average)
 1989 Judge S.D. Loukidelis K.M. Valin Award in Canadian Law
 Nipissing-Laurentian University North Bay, ON
 Value: \$100.00
 Conditions: Obtaining the highest grade in Introduction to Canadian Law
 1988 Mature Student Award
 Nipissing-Laurentian University North Bay, ON
 Value: \$300.00
 Conditions: 1st term average > 80%.

TEACHING ASSISTANTSHIPS

1993 Dr. George Fourieszos
 Biological psychology – Neurobiology
 Department of Psychology
 University of Ottawa Ottawa, ON
 1992 Dr. Catherine Plowright

Statistics for the behavioural sciences

Department of Psychology
University of Ottawa Ottawa, ON
1992 Dr. Ken Sidney

Exercise Physiology
Department of Human Movement
Laurentian University Sudbury, ON
1991 Dr. Bob Jensen

Biomechanics
Department of Human Movement
Laurentian University Sudbury, ON
1991 Dr. R. Danielson

Sports in Society
Department of Human Movement
Laurentian University Sudbury, ON
1990 Dr. R. Danielson

Stress Management
Department of Human Movement
Laurentian University Sudbury, ON
1989-1990 Dr. L. Parham

Developmental Psychology
Department of Psychology
Nipissing-Laurentian University North Bay, ON

Tutoring Positions

1992-1994

1988-1990 University of Ottawa Ottawa, ON

Nipissing-Laurentian University North Bay, ON

Department of Psychology Centre for Special Services (special Statistical analysis needs students

80 hours Psychology, Biology, English

460 hours

Student professor

2005 - present Atlantic Baptist University (part-time professor)

Moncton, NB

Biology, Neurobiology, Neuropsychology, Neurophysiology
& Psychology

1993-2003 University of Ottawa Ottawa, ON

Centre for Continuing Education

Brain: Behavioral Neurology, Psychology, Neuropsychiatry (May 2004)

Brain and Behavior in Medicine and Psychology (May 2003)

Brain and Behavior in Medicine and Psychology (May 2002)

Brain and Behavior in Medicine and Psychology (May 2001)

Brain and Behavior: Organic Mental Pathology (May 2000)

Brain & Behavior in Medicine and Psychology (May 1998)

Cognitive Neuroscience, Neuroimaging, Brain Behavior relations (May 1997)

Behavioral Neurobiology & Neurophysiology (May 1996)

Brain and Behavior: Neuropsychology, Psychiatry, Neurology (May 1995)

Biological Basis of Brain Function and Disease (May 1994)

volunteer and community activities

2008 – March to present ICBM – International Centre for Better Medicine

(a special project of CNAPS Medical Devices Inc.)

Medical-legal forensic case reviews for vaccine and pharmaceutical iatrogenic: Clinical review/exam, pathology, toxicology, diagnostics, special investigations, expert witness, , class action suits, family support, brain injury assessments

2005-present President & CEO

Etobicoke, ON

CNAPS Medical Devices Inc.

2004-present President & CEO

Etobicoke, ON

CPAN – Care Please Autism Network Inc.

2004-2005 iMAN - iMASS Awareness Networks

Etobicoke, ON

iMAM - iMASS Awareness Membership

- affinity programs supporting pharmaceutical product injured individuals and families while generating income to support

research and development into alternative health care treatments and interventions.
2008 Executive CNHC – Canadian natural health Coalition Toronto, ON
2007 Co-Founder: Orlando, FL.
Committed Christian Counseling International
2008 to present SAB – Scientific Advisory Board, BIT Life Sciences Guangzhou, China
2003-2004 Director-in-Training, Board of Directors (elected), Toronto, ON
Canadian Psychiatric Association (CPA)
2003-2005 Council Member; Member-in-Training (elected) Toronto, ON
Ontario Psychiatric Association (OPA)
Resident editor – OPA Newsletter
1996-1997 Alzheimer’s Association of Metropolitan Toronto Toronto, ON
Community education
1996-1997 Board of Directors Toronto, ON
Head Injury Association of Toronto
1990-1992 Council Member Toronto, ON
Metro Toronto Acquired Brain Injury Services Network Advisory Council
Steering Committee, Queen Elizabeth Hospital
1988-1990 Mild Head Injury Support Group Facilitator Toronto, ON
Head Injury Association of Toronto
1988-1990 Endometriosis Association Sudbury, ON
Animal Neuroscience Research Unit North Bay, ON
North Bay Psychiatric Hospital Volunteer Association North Bay, ON

non-academic work experience

05/1990-09/1990 Health Counsellor
Beverly Hills Weight Loss Clinics North Bay, ON
05/1990-09/1990 Behavioural Counsellor
Nutri-System Weight Loss Clinics North Bay, ON
05/1989-10/1989 Youth Counsellor
Youthdale Residential Treatment Facilities Magnetewan, ON
Re-entry program
1983 Canadian Forces Reserves
4th Field Ambulance Lahr, West Germany
1982 Canadian Forces Reserves
26th Svc. Battalion North Bay, ON
1978-1981 YMCA Youth Leader & Gymnastics Coach
YMCA North Bay, ON