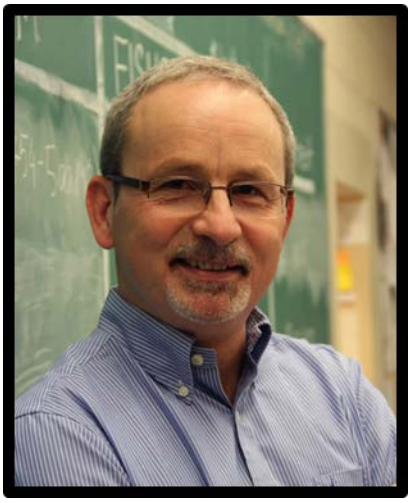

CURRICULUM VITAE

(November 15, 2019)

NAME: David A. Hood

BIRTHPLACE: Montréal, Québec, CANADA
BIRTH DATE: 8 October
CITIZENSHIP: Canadian

ADDRESS:

(Home)
70 Lyall Ave.,
Toronto, Ontario
M4E 1W3
TEL (H): (416) 699-3924
TEL (C): (647) 244-4020

(Mailing Address):
Kinesiology and Health Science,
Farquharson Life Science Bldg., Rm. 302
York University,
4700 Keele St.,
Toronto, Ontario M3J 1P3, Canada
TEL: (416) 736-2100 ext. 66640
E-mail: dhood@yorku.ca

DEGREES:

1986	Ph.D.	Physiology	State University of New York, Health Science Center, Syracuse, New York, USA
1981	M.Sc.	Physical Education	Dalhousie University, Halifax, NS.
1979	B.A.-B.P.H.E	Physical & Health Education	Queen's University, Kingston, Ont.

EMPLOYMENT HISTORY:

Jan. 1, 1999- present:
Professor
School of Kinesiology and Health Science, and Department of Biology, Faculty of Graduate Studies, York University

July 1, 2008-present:
Director, Muscle Health Research Centre, Faculty of Health, York University

Sept. 1994- Aug. 1995:
Visiting Scholar on sabbatical leave, Dept of Cell and Molecular Biology, Northwestern University, Chicago, IL, USA (Laboratory of Dr. R.C. Scarpulla).

July 1992- Dec. 31, 1998:
Associate Professor
School of Physical Education, Department of Kinesiology and Health Science, and
Department of Biology, Faculty of Graduate Studies, York University

Sept. 1988- July 1992:
Assistant Professor (both Departments above)

Sept. 1986- Sept. 1988:
Post-Doctoral Fellow, University of Konstanz, Faculty of Biology, Konstanz, Germany, (Laboratory of Dr. Dirk Pette).

HONOURS AND AWARDS:

2017	NSERC Tier I Canada Research Chair in Cell Physiology (2nd renewal, January, 2017 start)
2015	Canadian Society for Exercise Physiology (CSEP) John R. Sutton Lecturer, October 2015
2014	Adam Barsky Lectureship on Mitochondrial Diseases, Hospital for Sick Children, Toronto
2013	Faculty of Health Teaching Award (Established Career)
2013	Peter A. Rechnitzer Lecturer, Centre for Physical Activity and Aging, Western University, May 2013
2013	Distinguished Visiting Professor, Heart & Stroke / Richard Lewar Centre of Excellence in Cardiovascular Research, February, 2013
2012	Elected Fellow of the Canadian Academy of Health Sciences (CAHS)
2010	Canadian Society for Exercise Physiology (CSEP) Honour Award
2010	NSERC Tier I Canada Research Chair in Cell Physiology (renewal, January, 2010 start)
2009	York University, Faculty of Health, Established Career Research Award
2007	York University, Faculty of Graduate Studies Teaching Award
2006	Gollnick Lecturer, American College of Sports Medicine meeting, Denver, CO, May, 2006
2003	NSERC Tier I Canada Research Chair in Cell Physiology (January, 2003 start)
1999	York University, Faculty of Pure and Applied Science, Excellence in Teaching Award.
1992	Elected Fellow of the American College of Sports Medicine.

1989 Recipient of the New Investigator Award, American College of Sports Medicine.

1986-88 - Alexander von Humboldt Post-Doctoral Fellowship (1987-88),
- Muscular Dystrophy Association of America Post-Doctoral Fellowship (1986-87),
- Medical Research Council of Canada Post-Doctoral Fellowship (Awarded, not accepted),
- Muscular Dystrophy Association of Canada Post-Doctoral Fellowship (Awarded, not accepted).

1981-86 SUNY Health Science Center at Syracuse, Pre-Doctoral Fellowship.

EXTERNAL RESEARCH FUNDS:

2018-23 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Mitophagy and lysosomal biogenesis in aging muscle" (144,585 per year).

2017 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "UPLC System for Muscle Health Research" ($143,809)

2016-20 Natural Science and Engineering Research Council of Canada Discovery Grant entitled: "Mitochondrial Biogenesis in Skeletal Muscle" ($65,000 per year).

2016 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "Confocal microscope for Muscle Health Research" ($149,447)

2016 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "Biomolecular Imager" ($142,200) (Co-applicant, PI, KA White)

2015 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "in vivo CT Imager" ($150,000) (Co-applicant, PI, C. Perry)

2014-17 Mitacs (University-Industry) partnership grant ($30,000 per year).

2013-18 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Mitochondria in Aging Skeletal Muscle" (117,937 per year).

2013 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "Ultracentrifuge and rotors" ($143,438)

2012 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: "Components to support a Spinning Disk Confocal Microscope" (Co-applicant, Hood, PI: IR Coe; $140,767).

2011-16 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Autophagy in skeletal muscle" (103,661 per year).

2011-16 Natural Science and Engineering Research Council of Canada Discovery Grant entitled: “Mitochondrial Biogenesis in Skeletal Muscle” ($110,000 per year).

2011 Natural Science and Engineering Research Council of Canada Research Tools and Instruments Grant entitled: “Imaging System” ($54,400).

2010 Canadian Institutes for Health Research (CIHR) Grant entitled “Dissemination grant: Support for CSEP 2010” ($5000)

2009-12 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Mitochondria in Aging Muscle” (103,661 per year).

2008 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Mitochondria in Aging Muscle" ($123,000, one year).

2006-10 Natural Science and Engineering Research Council of Canada Discovery Grant entitled: “Mitochondrial Biogenesis in Skeletal Muscle” ($84,400 per year).

2006-7 Natural Science and Engineering Research Council of Canada Research Tools and Equipment Grant entitled: “Rodent treadmill” ($21,981).

2004-06 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Mitochondrial Dysfunction in Aging Skeletal Muscle" ($101,519 per year).

2003 Canada Foundation for Innovation (CFI) grant for the “Establishment of a Laboratory in Cell Physiology” for a Canada Research Chair ($521,224).

2002-06 Natural Science and Engineering Research Council of Canada Research Grant entitled: “Mitochondrial Biogenesis in Muscle” ($77,353 per year).

2002-05 Canadian Institutes for Health Research (CIHR) Research Grant entitled "Protein Import in Cardiac Mitochondria" ($102,076 per year).

2002 Heart and Stroke Foundation of Canada Operating Grant entitled: "Protein Import in Cardiac Mitochondria", ($63,354 per year, funding declined).

2000 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Laminar Flow Hood and Incubator”, ($13,658).

1999-2002 Heart and Stroke Foundation of Canada Operating Grant entitled: "Effect of Thyroid Status on Cardiac Mitochondrial Protein Import", ($59,000 per year).

1999 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Luminometer” ($18,380).

1998-2002 Natural Science and Engineering Research Council of Canada Operating Grant entitled: "Mitochondrial Biogenesis in Skeletal Muscle", ($46,000 per year).

1997-99 Heart and Stroke Foundation of Canada Operating Grant entitled: "Effect of Thyroid Status on Cardiac Mitochondrial Protein Import", ($55,000 per year).

1997 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Centrifuge” ($40,394).

1997 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Ultracentrifuge” (secondary applicants were Drs. Coukell, Heath, McDermott, Pearlman, Peng, Sokolowski and White) ($59,265).

1996 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Muscle Cell Electrical Stimulation System” ($17,727).

1994-98 Natural Science and Engineering Research Council of Canada Operating Grant entitled: "Mitochondrial Biogenesis in Muscle", ($40,000 per year).

1993-95 Heart and Stroke Foundation of Canada Operating Grant entitled: "Myocardial Adaptations in Senescence: Mitochondrial Protein Import", ($50,300 per year).

1994 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: “Transcriptional Regulation in Muscle", ($24,712).

1993 Canadian Space Agency Operating Grant entitled: “Dystrophin and Mitochondrial mRNA Adaptations to Space Flight", ($14,750).

1991-94 Natural Science and Engineering Research Council of Canada Operating Grant entitled: "Mitochondrial Biogenesis in Chronically Stimulated Muscle", ($34,000 per year).

1991 Natural Science and Engineering Research Council of Canada Equipment Grant entitled: "Microplate Reader", ($15,191).

1990-92 Heart and Stroke Foundation of Canada Operating Grant entitled: "Myocardial Adaptations: Mitochondrial Synthesis", ($41,500 per year).

1990 Natural Science and Engineering Research Council of Canada Equipment Grant entitled "Gamma Counter", ($36,750).

1989 Natural Science and Engineering Research Council of Canada Equipment Grant entitled "Perfused Rat Hindlimb Preparation", ($8,510).

1988-91 Natural Science and Engineering Research Council of Canada Operating Grant entitled "Mitochondrial Biogenesis in Muscle by Chronic Contractile Activity", ($26,665 per year).

INTERNAL RESEARCH FUNDS

Bridge funding for CIHR grant, Fall 2016: $4,000

Pan Am Parapan 2015 Minor grant to support Muscle Health Awareness Day (MHAD6) ($2000)

York University CIHR Bridging funds from VPRI, Spring 2008: ($10,000)

York Incentive Grant for Science, Technology and the Environment, Spring, 2001:
Isolation, stimulation and transfection of heart cells, ($3,894)

York Incentive Grant for Science, Technology and the Environment, Spring, 1996:
Apoptosis in Cardiac Cells, ($3,000)

President's NSERC fund, Fall, 1994:
"Chronic stimulators", ($1,000)

President's NSERC fund, Fall, 1993:
"Muscle cell culture equipment". ($2,000)
York Incentive Grant for Science, Technology and the Environment, Spring, 1992: "Heart Muscle Adaptations during Aging and Hypertrophy". ($4,950)

President's NSERC fund, Fall, 1991:
"Muscle contraction system for the mdx mouse". ($1,500)

President's NSERC fund, Fall, 1990:
"Regulation of Blood Flow in Denervated Muscle". ($2,800)

President's NSERC fund, Fall, 1989:
"Ultra-Low Temperature Freezer". ($4,500)

President's NSERC fund, Spring, 1989:
"Large Volume Centrifuge Rotor". ($2,000)

President's NSERC fund, Fall, 1988:
"Mitochondrial Synthesis in Muscle". ($3,000)

Start-up funds, Fall, 1988. ($35,000)

Ad Hoc Travel Fund:
- Spring, 1995 ($200)
- Spring, 1992 ($300)
- Spring, 1990 ($250)
- Spring, 1989 ($276)

Capital Equipment Fund:
- 2000 ($16,137)

1998	($13,000)
1995	($2,000)
1993-4	($12,000)
1989	($1,000)

GRADUATE TEACHING:

2012-15	-	KAHS 7200.03, Graduate Seminar Chair
2012-present	-	KAHS 6365.03, Mitochondria in Health and Disease
2003, 05, 09	-	KAHS 6360.03, Advanced Human Physiology: Endocrinology
2000-present	-	KAHS 6370.03, Advanced Exercise Physiology I: Muscle
1999	-	KAHS 6300.03, Cardiovascular Systems in Health and Exercise (1/2 course).
1998	-	KAHS 5360.03, Advanced Exercise Physiology II: Cardiovascular.
1996, 98	-	KAHS 5320.03, Cellular and Molecular Physiology for the Health Sciences.
1988-1999	-	EAHS 5300.03, Cardiovascular Physiology of Exercise (1/4 course).
	-	EAHS 5350.03, Advanced Lab Techniques in Cardiovascular Physiology (1/8 course).
1991,93,97,99-		Biology 5120.06, Animal Physiology
		Syracuse University
1983, 1985	-	PPE 685.03, Energy Metabolism in Exercise.

UNDERGRADUATE TEACHING:

York University

2011-present	-	KINE 4516 3.0, Mitochondria in Health and Disease (Course Director)
2007, 09	-	KINE 4448 3.0, Advanced Human Physiology: Endocrinology (Course Director)
1999-present	-	KINE 4010 3.0, Exercise Physiology (Course Director)
1997, 1998	-	KINE 4450 3.0, Advanced Exercise Physiology II: Cardiovascular (Course Director)
1998-present	-	KINE 4440 3.0, Advanced Exercise Physiology I: Muscle (Course Director)
1998-2005	-	KINE 3011 3.0, Human Physiology I (Course Director)
1997	-	KINE 4440.03, Advanced Physiol. of Exercise and Training (Course Director)
1996, 1998	-	KINE 4410.03, Cellular and Molecular Physiology for the Health Sciences (Course Director)
1993,95	-	PHED 2070.03, Anatomy and Physiology (Course Director)
1992-3	-	PHED 3010.06, Human Physiology (Course Director)
1991,92, 94	-	PHED 4440.03, Advanced Exercise Physiology (Course Director)
1991	-	PHED/Biol 4510.03, Muscle Physiology and Biochemistry
1988-92	-	PHED 3010.06, Human Physiology

Canadian Memorial Chiropractic College

2000, 2001	-	PH 2204: Systems Physiology (Course Director)
1998, 1999	-	PH 2204: Systems Physiology (13 lectures in Endocrinology)

University of Konstanz, Konstanz, Germany:

1987,1988	-	Supervisor of undergraduate biology students in specific laboratory projects assigned over a 6 week period in each year

		Syracuse University
1984	-	PPE 585.03, Exercise Physiology (Course Director)
		SUNY Health Science Center, Syracuse, NY:
1982-85	-	Lab demonstrator in the Dept. of Physiology for Medical Physiology and Neuroscience courses
	-	Guest Lecturer in Human Physiology (four lectures/year) for physical therapy students
		Dalhousie University, Halifax, NS:
1979-81	-	Lab Demonstrator in Physiology for health science students
		Queen's University, Kingston, Ont.:
1978-79	-	Seminar leader: Introduction to Physical Education, PE 140 Theory Course

GRADUATE STUDENT SUPERVISION:

Direct Student Supervision in the Graduate Programs of Kinesiology and Health Science (KAHS) and Biology (where indicated as Biology). Numbers beside each name indicate that the student has graduated from the MSc or PhD program.

2019	PhD	Brandon Richards
	MSc	Mikhaela Slavin
2018	PhD	Avi Erlich
2017	PhD	Jonathan Memme
	PhD	Ashley Oliveira
2016	PhD	Matthew Triolo
	MSc	(51) Nemanja Dovijarski
2015	MSc	(49) Ashley Oliveira
	MSc	(50) Kaitlyn Beyfuss
2014	MSc	(48) Avigail Erlich
	MSc	(47) Zahra Moosavi
2013	PhD	Rosette Joseph (subsequently left the program)
	MSc	(46) Jonathan Memme
	MSc	(45) Matthew Crilly
	MSc	(44) Diane Brownlee (Biology)
2012	MSc	(43) Alexa Parousis
	PhD	(13) Chris Chen
2011	PhD	(14) Heather Carter
	MSc	(42) Liam Tryon
	MSc	(41) Alex Green
2010	MSc	(40) Olga Ostojic
	MSc	(39) Stephen Pastore
	PhD	(12) Anna Vainshtein
2009	PhD	Giulia Uguccioni (subsequently left the program)

	MSc	(38) Heather Carter
	MSc	(37) Donna D'Souza
2008	Ph.D.	(11) Sobia Iqbal
	Ph.D.	(10) Ayesha Saleem
	M.Sc.	(36) Luke Wawrzyczek
	M.Sc.	(35) Anna Vainshtein
2007	M.Sc.	(34) Melania Collu-Marchese
	M.Sc.	(31) Giulia Uguccioni
	M.Sc.	(33) Bunty Singh
	M.Sc.	(32) Linda Nguyen
	M.Sc.	(30) Ruanne Lai
2006	M.Sc.	(29) Lawrence Kazak
	Ph.D.	(9) Michael O'Leary
2005	Ph.D.	Anastassia Litvintsev (subsequently left the program)
	Ph.D.	(8) Keir Menzies (Biology)
	M.Sc.	(28) Julie Huang
	M.Sc.	(27) Ayesha Saleem
2004	M.Sc.	(26) Michael O'Leary
	M.Sc.	(25) Don Walkinshaw
2003	M.Sc.	Dale Chabot (subsequently left the program)
	M.Sc.	(24) Keir Menzies (Biology)
	M.Sc.	(23) Lisa Leung (Biology)
	Ph.D.	(6) Anna-Maria Joseph (Biology)
	Ph.D.	(7) Vladimir Ljubicic
2002	M.Sc.	Lizbeth Edmonds (subsequently left the program)
2001	Ph.D.	(5) Isabella Irrcher (Biology)
	Ph.D.	Ana-Maria Osiceanu (Biology, subsequently left the program)
	M.Sc.	(22) Vladimir Ljubicic
2000	M.Sc.	(21) Treacey Sheehan
	M.Sc.	(20) Anna-Maria Joseph
	M.Sc.	(19)Michael Principe
1999	M.Sc.	(18) Isabella Irrcher
	M.Sc.	(17) Marco Colavecchia
	Ph.D.	(4) Peter Adhihetty, (Biology)
	Ph.D.	Rafat Mortazavi, (Biology, subsequently left the program)
1998	M.Sc.	(16) Sabena Lowe
	M.Sc.	(15) Arne Rungi
1997	M.Sc.	(14) Joseph Gordon
	M.Sc	(13) Ponni Gopalan, (Biology)
1996	M.Sc.	(12) Patricia Escobar
	M.Sc.	(11) Jeremy Schneider
	M.Sc.	(10) Janice Grey, (Biology)
	M.Sc.	(9) Martino DiCarlo
1995	M.Sc.	Ron Findlay (subsequently left the program)
1994	Ph.D.	(3) Elaine Craig
1993	M.Sc.	Sara Gilbert (subsequently left the program)
	Ph.D.	(2) Mike Connor

1992	M.Sc.	Elaine Craig, (Biology)
	M.Sc.	(8) Mojgan Rezvani, (Biology)
	Ph.D.	(1) Mark Takahashi, (Biology)
1991	M.Sc.	(7) Atila Balaban
	M.Sc.	(6) Mike Connor
1990	M.Sc.	(5) Rebecca Stevens, (Biology)
	M.Sc.	Gaetan Parent, (subsequently left the program)
	M.Sc.	(4) Herb Eisenberg
1989	M.Sc.	(3) Andria Cogswell
	M.Sc.	(2) Mark Takahashi
1988	M.Sc.	(1) Karen Wicks

Career number of graduate students/post-doctoral fellows under my direct supervision:

M.Sc.:	52:	51 completed, 1 in progress.
Ph.D.:	18:	14 completed, 4 in progress.
Post-doctoral fellows:	17:	15 completed (Drs. Mary Nishio, Olga Ornatsky, Alan Chesley, Damien Freyssenet, Olga Bezborodova, Beatrice Chabi, Peter Adhihetty, Deepthi Sukumar, Keir Menzies, Sobia Iqbal, Marion Pauly, Michael Shuen, Queenie Hu, Yuho Kim, Yuki Tamura), 2 in progress (Nashwa Cheema, Geetika Phukan).

Visiting Graduate Students:

3 Claire Huth (enrolled at Laval University), visiting for 2 months in Summer 2014;
Yuan Zhang (enrolled at East China Normal University); visiting for 24 months from 2010-2012
Massoume Modaresi (enrolled at Iran University), visiting for 6 months (July-Dec 2017)

Career number of professors working on sabbatical leave in my lab under my direct supervision:

1: Dr. R. Kelton, 1991-1992

EXTERNAL THESIS EXAMINER (PhD thesis unless noted)

Candidate	Date	University
Hashim Islam	Aug 2018	Queen's University (MSc)
William Smiles	July 2017	Catholic University of Australia
Robert D'Cruz	June 22 2016	University of Toronto
Cesar Granato	August 15, 2015	Victoria University, Melbourne, Australia
Edward Mukwevho	May 3, 2010	Cape Town, South Africa
Jessica Norrbom	June 13, 2008	Karolinska Institute, Stockholm, Sweden
Scot Leary	Sept. 24, 2001	Queen's University
Damien Freyssenet	May 9, 1995	St. Etienne, France
James Rush	Jul. 20, 1994	University of Guelph
Qinwi Shi	Apr. 21, 1992	Toronto

UNDERGRADUATE INDEPENDENT STUDY RESEARCH SUPERVISION

56. Atalia Liverant 2019, Mitophagy and muscle
55. Neushaw Moradi 2019, Denervation and mitochondria
54. Luba Karmanova 2018, Mitophagy in the human heart

53. Mikhaela Slavin 2018, Lysosomes in aging muscle
52. Noor Barazi, 2017, p53 in muscle
51. Natalie Chartrand, 2017, Autophagy in trained muscle
50. Anisha Akhtar, 2016, p53 in rat tissues
49. Eve Sohn, 2016, Autophagy in muscle
48. Danielle Rangel, 2016, Mitophagy in the heart
47. Amanda Dias, 2015, Aging and mitochondria
46. Dorrin Zarrin-Khat, 2015, Aging and mitophagy in the heart
45. Nemanja Dovijarski, 2015, Parkin and exercise
44. Ashley Oliviera, 2015, UPR in skeletal muscle
43. Kate Moffatt, 2015, Role of parkin in muscle function
42. Karli Gavendo, 2014, Effect of aging on mitochondria
41. Juilian Smith, 2014, Effect of PGC-1 on autophagy in the heart
40. Avigail Erlich, 2014, Effect of exercise on Clock proteins
39. Eric Desjardins, 2013, Autophagy in muscle
38. Kristopher Salzmann, 2013, Cloning the rat PGC-1 promoter
37. Jonathon Memme, 2012, Autophagy in muscle
36. Matt Crilly, Clock genes in muscle, 2012
35. Carlo Iacono, 2012, Acute exercise and gene expression
34. Kelly Lo, 2012, Unfolded protein response with exercise
33. Vatsal Trivedi, 2012, Clock genes in muscle
32. Laura Cowton, 2011, Sirt1-induced gene expression in muscle
31. Liam Tryon, 2011, mRNA stability in muscle
30. Stephen Pastore, 2009-10, Mitochondria, aging and ROS
29. Olga Ostojic, 2009-2010, Mitochondrial gene expression
28. Shaidah Manshadi, 2007-08, Mitochondria in cancer
27. Hafez Khalili, 2006-07, Cardiac mitochondrial adaptations in aging
26. Radhika Sharma, 2005-06, Muscle and fat adaptations in running animals
25. Elmira Raeifar, 2005, Apoptosis proteins with exercise
24. Jessica Pulla, 2004-05, Mitochondrial function in ALS
23. Carolyn Watson, 2003-04, Mitochondrial biogenesis in p53 deficient mice
22. Don Walkinshaw, 2003-04, Effect of acute exercise on gene expression
21. Jenine Chung, 2001-02, Bcl-2 transcription in mitochondrial disease
20. Andy Primeau, 2000-01, Apoptosis in patient cells
19. William Dubinski, 2000-01, Integrins in muscle
18. Andy Primeau, 1999-00, Apoptosis in muscle
17. Nasim Mahinpoo, 1999-00, Cardiovascular adaptations to aging
16. Patricia Pettica, 1999-00, Plasmid DNA isolation and COX activity
15. Lauren Linett, 1998-9, Mitochondrial mRNA degradation
14. Joe Chakkalakal, 1998-9, Cytosolic MDH levels in chronically stimulated muscle
13. Aaron Berk, 1997-8, Circuit training and cardiac rehabilitation
12. Maria Franca, 1997-8, Environment and injury
11. Andrew Sulatycki, 1997-8, Cancer and mitochondria
10. Alexandra Nevin, 1997-8, NRF-1 DNA binding
9. Alex Gubanov, 1996-7, Isolation of cDNA encoding mitochondrial genes
8. Alexandra Nevin, 1996-7, Apoptosis genes

7. Melissa Levy, 1996-7, *c-jun* expression in contracting muscle
6. Andrea Lantos, 1996-7, Effect of aging on MDH expression in the heart
5. Ivano Costa, 1994, AZT and cytochrome oxidase in muscle
4. Jayne Heard, 1993, Effect of cobalt on enzyme activities
3. Catherine Bird, 1993, Effect of AZT on muscle performance
2. David Beck, 1991, Denervation and cytochrome oxidase activity
1. Rebecca Stevens, 1990, Cytochrome c levels in muscle types

SUMMER NSERC UNDERGRADUATE STUDENT RESEARCH AWARD SUPERVISION

n = 26: R. Stevens (1989), E. Craig (1991), J. Heard (1992), I. Zan (1992), J. Brenner (1992), T. Driver, (1993), T. Ellis (1993), S. Herman (1999), A. Primeau (1999), J. Nguyen (2000), M. Gomperts (2000), T. Holler (2001), F. Amarshi (2002), C. Watson (2003), J. Pulla (2003), L. Marchand (2004), V. Youssef (2006), S. Kapchinsky (2006), W. Ghent (2007), D. D'Souza (2008), S. Manshadi (2008), O. Ostojic (2009), A. Wasserman (2010), A. Kurtz (2012), E. Desjardins, K. Nawrot (2013), D. Zarrin-Khat, L. Samoilov (2015).

CIHR SUMMER STUDENTSHIP

n = 1: E. Nicolas (2005)

DIABETES QUEBEC STUDENTSHIP

n = 1 C. Huth (Summer 2014)

DR. JAMES WU RESEARCH INTERNSHIP FOR SCIENCE AND ENGINEERING

n = 2: G. Uguccioni (2006 Fall Winter and 2007 Summer); O. Ostojic (2008-09)

YORK UNIVERSITY FACULTY OF SCIENCE SUMMER FELLOWSHIP

n = 1: D. Jarczyn (1998)

MUSCULAR DYSTROPHY SUMMER FELLOWSHIP

n = 2: R. Stevens (1990), P. Howard (1990)

HEART AND STROKE FOUNDATION SCIENCE STUDENT SUMMER FELLOWSHIP:

n = 1: J. Cohen (1992)

SUMMER HIGH SCHOOL FELLOWSHIP/INTERNSHIP:

n = 4: Erica Shligold (2014), Chi Trinh (1996), Birju Khatri (1994), Vy Ha (1993)

PUBLICATIONS

Papers in refereed journals

163. Erlich, A. T. and D. A. Hood. Mitophagy regulation in skeletal muscle: Effect of endurance exercise and age. Journal of Science in Sport and Exercise. Accepted September 25, 2019
162. Oliveira, A. N. and D. A. Hood. Exercise is mitochondrial medicine for muscle. Sports Medicine and Health Science. 1:000-000, 2019
161. Memme, J. M., A. T Erlich, G. Phukan, and D. A. Hood. Exercise and mitochondrial health. J. Physiol. (Lond.) in press, 2019
160. M. Triolo, and D. A. Hood Mitochondrial breakdown in skeletal muscle and the emerging role of lysosomes. Arch. Biochem. Biophys. 661:66-73, 2019.
159. Kim, Y., M. Triolo, A. T Erlich, and D. A. Hood. Regulation of autophagic and mitophagic flux during chronic contractile activity-induced muscle adaptations. Pfluger's Arch. 471:431-440, 2019.
158. Hood, D.A., J.M. Memme, A.N. Oliveira and M. Triolo. Maintenance of skeletal muscle mitochondria in health, exercise, and aging. Ann. Rev. Physiol. 81:19-41, 2019.
157. Beyfuss, K., A. T Erlich, M. Triolo and D. A. Hood. The Role of p53 in Determining Mitochondrial Adaptations to Endurance Training in Skeletal Muscle. Sci. Reports. 8:14710, 2018.
156. Oliveira, A.N., and D.A. Hood. Effect of Tim23 Knockdown in vivo on Mitochondrial Protein Import and Retrograde Signaling to the UPRmt in Muscle. Am J Physiol Cell Physiol. https://doi.org/10.1152/ajpcell.00275.2017,2018
155. Chen, C.C.W., A. T. Erlich, M. J. Crilly and D. A. Hood. Parkin is required for exercise-induced mitophagy in muscle: impact of aging. Am. J. Physiol. (Endocrin. Metab.) 315:E404-E415, 2018.
154. Carter, H.N., Y. Kim, A. T. Erlich, D. Zarrin-Khat and D. A. Hood. Autophagy and mitophagy flux in young and aged skeletal muscle following chronic contractile activity. J. Physiol. (Lond.) 596:3567-3584, 2018.
153. Chen C.C.W., A.T. Erlich and D.A. Hood. Role of Parkin and endurance training on mitochondrial turnover in skeletal muscle. Skelet. Muscle 8:10, 2018.
152. Carter, H.N., M. Pauly, L.D. Tryon and D. A. Hood. Effect of contractile activity on PGC-1α transcription in young and aged skeletal muscle. J. Appl. Physiol. 124:1605-1615, 2018.
151. Parousis, A., H. N. Carter, C. Tran, A. T. Erlich, Z. S. Mesbah-Moosavi, M. Pauly and D.A. Hood. Contractile activity attenuates autophagy suppression and reverses mitochondrial defects in skeletal muscle cells. Autophagy, 4:1-12, 2018.
150. Kim, Y., J. M. Memme and D.A. Hood. Application of chronic stimulation to study contractile activity-induced rat skeletal muscle phenotypic adaptations. J. Vis. Exp., e56827, 2018.
149. Beyfuss, K and D.A. Hood. A systematic review of p53 regulation of oxidative stress in skeletal muscle. Redox Report: https://doi.org/10.1080/13510002.2017.1416773, 2018.
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16. Hood, D.A., A.M. Kelly, J.A. Simoneau & D. Pette. Effect of thyroid status on cytochrome c oxidase subunit mRNA expression in chronically stimulated muscle. Med. Sci. Sport Exerc. 21:S2, 1989.
15. Hood, D.A., R. Zak & D. Pette. Coordinate induction of mitochondrial and nuclear cytochrome c oxidase subunit mRNAs by chronic muscle stimulation in the rat. J. Muscle Res. Cell Motility. 10:147, 1989.
14. Hood, D.A. and R.L. Terjung. The increase in leucine oxidation during muscle contractions is limited by metabolic regulation. Med. Sci. Sport Exerc. 18:565-566, 1986.
13. Tullson, P.C., H. John-Alder, D.A. Hood and R.L. Terjung. De Novo synthesis of purine nucleotides in different fiber types of rat skeletal muscle. Fed. Proc. 45:544, 1986.
12. Hood, D.A. and R.L. Terjung. Leucine metabolism in perfused rat skeletal muscle during contractions. Med. Sci. Sport Exerc. 17:233, 1985.
11. Terjung, R.L. and D.A. Hood. Leucine metabolism in muscle following intense contraction conditions that decrease ATP concentration. Med. Sci. Sport Exerc. 17:192, 1985.
10. Bonen, A., M.H. Tan, D.A. Hood and P. Clune. Effects of exercise, substrates and hormones on insulin binding in rodent and human muscle. Clin. Physiol. 5 (Suppl. 4):28, 1985.
9. Gorski, J., D.A. Hood, H. Kaciuba-Uscilko and R.L. Terjung. Glucose uptake by contracting skeletal muscle in pregnant rats. 16th Congress of the Polish Physiological Society, Katowice, 1984.
8. Hood, D.A., J. Gorski and R.L. Terjung. Implications of muscle blood flow distribution in the isolated, perfused rat hindquarter. Can. J. Appl. Sport Sci. 8:217, 1983.
7. Hood, D.A., J. Gorski and R.L Terjung. Oxygen consumption of perfused rat skeletal muscle during tetanic contractions. Med. Sci. Sport Exerc. 15:105, 1983.
6. Tan, M.H., A. Bonen, W. Watson-Wright, D.A. Hood, M. Sopper, D. Currie and A.N. Belcastro. Muscle glycogen repletion after exercise in trained normal and diabetic rats. Symposium on Diabetes and Exercise, Burlington, VT, July, 1983.
5. Terjung, R.L., J. Gorski, D.A. Hood and O.M. Brown. Incorporation of 15N-leucine amine into ATP of fast-twitch muscle following stimulation. Fed. Proc. 42:996, 1983.
4. Clune, P., A. Bonen, M.M. Sopper, D.A. Hood and M.H. Tan. Insulin binding to rodent skeletal muscle after exhaustive exercise. Med. Sci. Sport Exerc. 14:150, 1982.
3. Hood, D.A. and A. Bonen. Insulin binding to human and rodent skeletal muscle. Can. J. Appl. Sport Sci. 6:150, 1981.
2. Wright, W., A. Bonen, M. Tan, M. Sopper, D.A. Hood and A.N. Belcastro. Accelerated glycogen repletion in trained rats. Med. Sci. Sport Exerc. 13:89, 1981.
1. Hood, D.A., A. Bonen, M. Tan, W. Wright, D. Currie, M. Sopper and A.N. Belcastro. Comparison of glycogen repletion in trained and untrained diabetic rats. Med. Sci. Sport Exerc. 13:90, 1981.

Non-refereed and Knowledge Translation publications

16. Hood, D.A. Mitochondria, muscle health and p53 in cancer. York University Y-File, Oct. 9, 2018.
15. Hood, D.A. Mitochondria and aging muscle. York University Y-File, Aug. 27, 2018.

14. Ljubicic, V., A.N. Belcastro, B.J. Gurd, D.R. Joanisse, A. Safdar, L.D. Tryon and D.A. Hood. A 50th anniversary celebration of CSEP member contributions to the understanding of exercise physiology: a focus on molecular biology approaches. CSEP Communique, 12/12: 1-5, 2016.
13. Tryon, L.D., M. Colavecchia and D.A. Hood. Exercise, muscle and mitochondria: signaling mechanisms, health consequences and new challenges for the future. J. Student Science and Technology. 8: 83-92, 2015.
12. Iqbal, S. and D.A. Hood. Cytoskeletal regulation of mitochondrial movements in myoblasts. Global Medical Discovery Series, [ISSN 1929-8536] (https://globalmedicaldiscovery.com). Feb. 2015.
11. Hood, D.A. Lack of p53 protein reduces the benefits of exercise. York University Y-File, Feb. 7 2014.
10. Hood, D.A. JBC best paper of the year in Metabolism. York University Y-File, Feb. 7 2014.
9. Hood, D.A. Cellular powerhouse. International Innovation: Healthcare, December 2013 (Research Media, UK, pp 51-53), ISSN 2051-8501.
8. Hood, D.A. Regular exercise leads to better energy distribution in muscle. York University Y-File, Sept. 6, 2013.
7. Hood, D.A. Lack energy – could be you're sirtuin-1 protein deficient. York University Y-File, Jan. 25, 2013.
6. Saleem, A. and D.A. Hood. Acute exercise activates the anti-cancer protein p53. CSEP Communique, May 2012.
5. Hood, D.A. Regular exercise can turn back the clock on aging muscles. York University, Y-File, Jan 18, 2010.
4. Saleem, A., G. Uguccioni and D.A. Hood. Does old skeletal muscle adapt to exercise as well as young muscle? CSEP Communique, Oct. 25, 2009.
3. Hood, D.A. Letter to the Editor. Creatine and exercise. Globe and Mail, Nov. 25, 1996.
2. Hood, D.A. Letter to the Editor. Transit issues. Toronto Star, Mar. 29, 1992.
1. Hood, D.A. Exercise-induced asthma. In Hood, C.L. (Ed.), At Ease (American Lung Association of Central New York), Fall, 1985.

Invited Presentations in National and International Symposia

74. American College of Sports Medicine (ACSM) meeting, San Francisco, CA, June 2020.
73. Society for Redox Biology and Medicine, Las Vegas, NV, Nov 23, 2019
72. MitoNET Symposium, Toronto, ON, Nov 9, 2019
71. NIH Symposium on Mitochondrial Biology, Bethesda, MD, Sept. 25 2019
70. Third International Summit on "Exercise and Healthy China 2030", Beijing, June 11 2019.
69. Third International Summit on "Exercise and Healthy China 2030", Beijing, June 10 2019.
68. Canadian Physiological Society, Toronto, ON, May 21, 2019.
67. MitoNET Symposium, Toronto, ON, Nov 6, 2018.
66. International Biochemistry of Exercise, Beijing, China, Oct 23, 2018.
65. Barshop Symposium on Aging, San Antonio, Texas, Oct 20, 2018.
64. American College of Sports Medicine – Integrative Physiology of Exercise, San Diego, Sept 5 2018.
63. American Diabetes Association Annual meeting, Orlando, FL, June 23, 2018.
62. Sport and Health Promotion Forum, Beijing Sport University, Beijing, China, June 10, 2018.
61. Experimental Biology, San Diego, CA, April 25, 2018.
60. IMPACT III Conference on Physical Activity, Seoul, S. Korea, Nov. 2, 2017.
59. Canadian Society for Exercise Physiology meeting, Winnipeg, MB, Oct. 26, 2017
58. Copenhagen Muscle Biology Summer School, Copenhagen Denmark, Aug, 21, 2017.
57. American College of Sports Medicine (ACSM) Meeting, Denver, CO, June 1, 2017.

56. Experimental Biology, Chicago, IL, April 2017.
55. Padua Muscle Days, Padua, Italy, March 23, 2017.
54. IMPACT II Conference on Physical Activity, Busan, S. Korea, June 18, 2016.
53. Canadian Society for Exercise Physiology (CSEP) meeting, John R. Sutton Lecturer, Oct 14, 2015
52. AMWAY Corporation, Grand Rapids, MI, Sept, 1, 2015
51. IMPACT Conference on Physical Activity, Busan, S. Korea, June 11-13, 2015.
50. Experimental Biology meeting, (Symposium Chair and Organizer), Boston, MA, March 2015.
49. Takeda Advisory Board Meeting on Muscle Physiology, Orlando, FL, Dec 19 2014.
48. Int'l Symposium on Physical Activity, Rio de Janiero, Brazil, Nov.6-8 2014.
47. Experimental Biology meeting, (Symposium Chair and Organizer), San Diego, CA, April 2014.
46. Skeletal Muscle Biology in Health and Disease Conference, Gainesville, FL, March, 2014.
45. Integrative Medicine Symposium, Busan, Korea, Dec. 4 2013.
44. Experimental Biology meeting, (Symposium Chair and Organizer), Boston, MA, April 2013.
43. Canadian Society for Exercise Physiology (CSEP) meeting, Symposium, Regina, SK, Oct. 13, 2012.
42. Canadian Society for Exercise Physiology (CSEP) meeting, Symposium Chair, Quebec, Oct. 22, 2011.
41. United Mitochondrial Disease Foundation, Chicago, IL, June 18 2011.
40. European Bioenergetics Congress, Warsaw, Poland, July 22, 2010.
39. International Congress on Neuromuscular Diseases, Naples, Italy, July 18, 2010.
38. American College of Sports Medicine (ACSM), Baltimore, MD, June 2, 2010.
37. Experimental Biology Meeting, (Symposium Chair), Anaheim, CA, April 26, 2010.
36. Norwegian Network Meeting, (Speaker), Oslo, Norway, June 28, 2009.
35. European College of Sport Science, (Symposium Organizer/participant), Oslo, Norway, June 24, 2009.
34. International Meeting on the Biochemistry of Exercise (IBEC), Guelph, Ontario, June 1, 2009.
33. American College of Sports Medicine (ACSM) Meeting, Seattle, WA, May 25, 2009.
32. Experimental Biology Meeting, (Symposium Chair and presenter), New Orleans, LA, April 21, 2009.
31. Asian Soc. Mitochondrial Research and Medicine, (Plenary Lecturer), Tianjin, China, Nov. 9, 2008.
30. Canadian Society of Exercise Physiology (CSEP) Meeting, Banff, Alberta, Oct. 17, 2008.
29. American College of Sports Medicine (ACSM) Meeting (Symp. Chair), Indianapolis, IN, May 29, 2008.
28. Experimental Biology Meeting, (Symposium Chair/participant), San Diego, CA, April 6, 2008.
27. International Symposium of Physical Activities, Rio de Janeiro, Brazil, Nov. 9-10, 2007.
26. Experimental Biology Meeting, (Featured Topic Chair), Washington, April 30, 2007.
25. ACSM/Am. Physiol. Soc. Meeting, Indianapolis, IN, Sept. 27, 2006.
24. American College of Sports Medicine (ACSM) Meeting, Denver, CO, 2006 "Gollnick Lecturer".
23. Experimental Biology Meeting, San Francisco, CA, April, 2006.
22. Canadian Society of Exercise Physiology (CSEP) Meeting, (Symposium Chair and Organizer), Gatineau, Quebec, Nov. 10, 2005.
21. Journal of Experimental Biology Symposium, Cambridge University, Cambridge, U.K., Sept. 11, 2005.
20. Canadian Federation of Biological Sciences Symposium, Guelph, Ontario, June 22, 2005.
19. International Fitness Festival Symposium on the Quality of Life, Rimini, Italy, May 28, 2005.
18. Experimental Biology Meeting, San Diego, CA, April 1, 2005.
17. International Fitness Festival Symposium, Rimini, Italy, June 6, 2004.
16. American College of Sports Medicine (ACSM) Meeting (Symposium Chair and Organizer), Indianapolis, IN, June 3, 2004.
15. Seventh IOC Olympic World Congress on Sports Medicine, Athens, Greece, October, 2003.
14. Canadian Society of Exercise Physiology (CSEP) Meeting, Niagara-on-the-Lake, Ont., October, 2003.
13. International Biochemistry of Exercise Conference, Maastricht, The Netherlands, July 13-16, 2003.

12. European College of Sport Science, Salzburg, Austria, July 8-12, 2003.
11. Mouchley S. Small Muscle Symposium, University of Buffalo, Buffalo, New York, June 20, 2003.
10. Gordon Conference on Excitation-Contraction Coupling, New London, NH, June 12, 2003.
9. American College of Sports Medicine (ACSM) Meeting (Symposium Chair and Organizer), San Francisco, CA, May 28, 2003.
8. Canadian Society of Exercise Physiology (CSEP) Meeting, Montreal, October 31, 2001.
7. Experimental Biology Meeting, (Symposium Chair and Organizer), Orlando, FL, April 2, 2001.
6. American College of Sports Medicine (ACSM) Meeting (Symposium Chair and Organizer), Baltimore, MD, May 31, 2001.
5. Experimental Biology Meeting, Washington, DC, April 11-15, 1999.
4. Canadian Society of Exercise Physiology (CSEP) Meeting, (Symposium Chair and Organizer) Toronto Oct. 24, 1997.
3. Canadian Society of Exercise Physiology (CSEP) Meeting, (Invited Opening Symposium Lecture), Quebec City, Oct. 26, 1995.
2. American College of Sports Medicine (ACSM) Meeting, Minneapolis, May 31, 1995.
1. Canadian Association of Sports Sciences (CASS) Meeting, Saskatoon, Sask., October, 1992.

Invited University Seminar Presentations (International)

University	Department	Date
27. University of Louisville, KY,	Dept. of Neurobiology	May 11, 2017
26. University of Auckland, NZ,	Dept. of Biological Sciences	Feb. 16, 2016
25. University of Auckland, NZ,	Dept. of Exercise Science	Feb. 15, 2016
24. Victoria University, Australia,	Inst. Sport, Exercise, Active Living	Feb. 5, 2016
23. University of Alabama	Centre for Exercise Medicine	Sept. 25, 2015
22. University of Missouri	Kinesiology	Mar. 3, 2014
21. East Carolina University	Kinesiology	Feb. 3, 2014
20. Inje University, Busan, Korea,	Dept of Integrative Medicine	Dec. 3, 2013
19. University of Rochester	Physiology-Pharmacology	Nov. 7 2013
18. University of Missouri	Kinesiology	Feb. 20, 2012
17. East Normal China University, Shanghai, China,	Sport Science Dept.	June 23, 2010
16. University of Missouri	Kinesiology	Mar. 2, 2010
15. University of Florida	Kinesiology	Feb. 26, 2010
14. Karolinska Institute, Stockholm, Sweden,	Physiology and Pharmacology	June 12, 2008
13. University of Florida	Kinesiology	Mar. 23, 2006
12. Duke University, Durham NC,	Dept. of Medicine	Apr. 26, 2005
11. East Carolina University, Greenville, NC,	Dept. of Exercise Science	Apr. 25, 2005
10. Pennington Biomedical Center, LSU, Baton Rouge, LA		Sept. 23, 2004
9. Univ. Missouri	Physiology	Nov. 15, 2001
8. SUNY at Buffalo	Physical Therapy and Exercise Science	Oct. 26, 2001
7. U.Texas Southwestern	Physiology	Mar. 5, 2001
6. Yale University	J.B. Pierce Fnd. (Physiology)	Apr. 1, 1996
5. Université Jean Monnet	St-Etienne, France, Faculty of Medicine	May 9, 1995
4. Northwestern University, Chicago, IL,	Dept. of Cell and Mol. Biology	Dec. 13, 1994
3. Deborah Research Institute, Browns Mills, New Jersey		May 4, 1994
2. University of Illinois at Chicago, Chicago, IL,	Dept. of Physiology	Feb. 16, 1993

1. Medical Academy of Bialystok, Bialystok, Poland, Dept. of Physiology Jun. 15, 1987

Invited University Seminar Presentations (National)

University	Department	Date
37. University of Toronto	Neuroscience (Myogenesis)	June 24, 2019
36. McGill University	Meakins-Christie Labs	Mar. 18 2019
35. McMaster University	Kinesiology	Nov. 13, 2018
34. Queen's University	Medicine	July 13, 2018
33. Hospital for Sick Children	Cell Biology	April 7 2017
32. University of Toronto, Musculoskeletal Res. Program		Feb 7, 2017
31. Center for Critical Illness Research, Western University, London, Ontario.		April 28, 2015
30. Hospital for Sick Children, Genetics Grand Rounds		April 24, 2014
29. Western University, Centre for Physical Activity and Aging		May 16, 2013
28. Northern Ontario School of Medicine, Thunder Bay		Apr. 9, 2013
27. University of Toronto, R. Lewar CV Centre		Feb. 11, 2013
26. York University	Biology	Mar. 9, 2012
25. University of Guelph	Nutrition and Exercise Science	Mar. 22, 2010
24. University of Guelph-Humber, Kinesiology		Jan. 27, 2009
23. University of Ottawa	Molecular Medicine	Feb. 12, 2008
22. Laval University	Kinesiology	May 31, 2007
21. Queen's University	Physiology	Feb. 22, 2006
20. Toronto Western Hospital	Cell Biology	Mar. 22, 2005
19. Waterloo	Kinesiology	Nov. 27, 2002
18. Hosp. for Sick Children	Cell Biology	Nov. 23, 2000
17. Hosp. for Sick Children	Genetics and Genomic Biology	Aug. 13, 1998
16. Canadian Chiropractic College		Nov. 8, 1996
15. Guelph	Nutrition/Human Biology	Oct. 21, 1996
14. Toronto	Hospital for Sick Children	Apr. 30, 1993
13. Western Ontario	Physiology	Mar. 20, 1992
12. York	Exercise and Sport Science	Dec. 13, 1991
11. McMaster	Medicine	Mar. 22, 1991
10. Toronto	Cardiovascular Surgery	Dec. 7, 1990
9. Toronto	Cardiovascular Surgery	Jun. 8, 1990
8. Toronto	Physiology	Jun. 23, 1989
7. Guelph	Human Biology	May 19, 1989
6. Dalhousie	Physical Education	Mar. 17, 1989
5. Waterloo	Kinesiology	Mar. 8, 1989
4. Toronto	Physiology	Feb. 24, 1989
3. Toronto	Physiology	Feb. 24, 1989
2. Toronto	Cardiovascular Surgery	Jan. 13, 1989
1. Guelph	Human Biology	Nov. 1, 1988

Unpublished Abstract Presentations (Ontario Exercise Physiology Meetings, Collingwood/Barrie/Orillia; I am the senior author on all of these presentations)

2018 70. Beyfuss, K. p53 and endurance training
69. Dovijarski, N. Retinoic acid and CCA
68. Oliveira, A. Tfeb and Tfe3 in lysosomal biogenesis
67. Memme, J. Integrated regulation of mitochondria
66. Triolo, M. TFEB and aging

2017 65. Beyfuss, K. p53 and training
64. Erlich, A. Tfeb in muscle
63. Carter, H. Aging muscle mitophagy
62. Kim, Y. Lysozomes and exercise
61. Triolo, M. Denervation and muscle proteases
60. Oliveira, A. Retrograde signaling in muscle

2014 59. Vainshtein, A. PGC-1 and muscle autophagy
58. Memme, J. The UPR and muscle contraction
57. Crilly, M. Denervation-induced ROS production
56. Joseph, R. Mitochondrial morphology in mitochondrial disease

2012 55. Green, A.E. T3 and mitochondrial disease
54. Zhang, Y. Bax and Bak in protein import
53. Pastore, S. Clock genes and skeletal muscle

2011 52. Ostojic, O. Cardiolipin metabolism in muscle
51. Wawzyzcek, L. Denervation and the mtPTP
50. Carter, H. mTor and mitochondria

2010 49. Wawzyzcek, L. Mitochondrial permeability transition pore
48. Iqbal, S. Mitochondrial movements in muscle
47. Vainshtein, A. Apoptosis in muscle fiber types
46. D'souza, D. mRNA stability in muscle fibre types

2009 45. Nguyen L. Contractile activity induced Egr-1 expression
44. O'Leary M.F.N. SS and IMF mitochondria in a novel cell death pathway
43. Lai, R. mRNA stability in skeletal muscle fiber types
42. Iqbal, S. Mitochondrial morphology in aging skeletal muscle

2008 41. Kazak, L. In vitro apoptosis in muscle
40. Huang, J. et al. Protein import in aged muscle
39. Collu-Marchese, M. Nitric oxide and mitochondria
38. Uguccioni, G. PGC-1 knockout and mitochondria

2007 37. Huang, J. et al. Protein import in aged muscle
36. Litvintsev, A. et al. Mitochondrial biogenesis during muscle differentiation.
35. O'Leary, M. et al. Denervation and contractile activity effects on apoptosis.
34. Saleem, A. et al. p53 and mitochondrial biogenesis.

2006 33. Chabi, B. et al. Effect of aging on muscle mitochondria.
32. O'Leary, M. et al. Mitochondria in denervated muscle.
31. Walkinshaw, D.R. et al. T3 effects on kinase activation.

2005 30. Irrcher, I. PGC-1 promoter activity in muscle.
29. Leung, L. Mitochondrial biogenesis in rhabdomyosarcoma cells.
28. Menzies, K. Mitochondrial properties of fibroblasts from patients.
27. Chabi, B. Mitochondrial biogenesis and SIRT1 in running animals.

2004 26. Adhihetty, P.J., p53 on Mitochondrially-Mediated Apoptosis and Biogenesis in Muscle
25. Joseph, A.M. Assembly of multisubunit complexes

24. Irrcher, I. Regulation of PGC-1alpha promoter activity in skeletal muscle cells.
23. Ljubicic, V. Contractile activity-induced signal transduction in red and white muscle
2003 22. Sheehan, T. Effect of thyroid hormone on COX subunit expression.
21. Edmonds, L. Bcl-2 expression in contracting muscle.
2002 20. Joseph, A.-M. Protein import and mitochondrial disease.
19. Sheehan, T. Thyroid hormone receptor expression in different tissues.
18. Irrcher, I. Transcription factor expression and contractile activity.
17. Adhihetty, P.A. Apoptosis and chronic contractile activity.
16. Prencipe, M. Effect of thyroid hormone on Bcl-2 degradation in heart.
15. Colavecchia, M. Overexpression of Tim proteins and protein import.
14. Ljubicic, V. UCP3 expression in skeletal muscle mitochondria.
1996 13. Findlay, R. Regulation of HSP72 in contracting skeletal muscle.
1994 12. Connor, M.K. Tissue-specific regulation of mRNA stability.
11. Takahashi, M., Protein import into skeletal muscle mitochondria.
10. Craig, E.E. Protein import into cardiac mitochondria during hyperthyroidism.
9. Rezvani, M. Physiological characteristics of mdx mouse muscle at two weeks of age.
1993 8. Connor, M. Inhibition of nuclear transcription in chronically stimulated muscle.
1992 7. Eisenberg, H.A. Skeletal muscle blood flow following denervation and reinnervation.
6. Stevens, R.J. Cytochrome c oxidase expression in hypothyroidism during development.
1991 5. Cogswell, A.M. Intermyofibrillar and subsarcolemmal mitochondria in skeletal muscle.
4. Takahashi, M. Effects of chronic stimulation on endurance performance.
1990 3. Parent, G. Contractile and metabolic effect of 10 Hz stimulation in rat fast-twitch muscle.
2. Stevens, R.J. Biochemical differences in mitochondrial subpopulations in muscle.
1989 1. Wicks, K.L. Effect of denervation on mitochondrial enzymes and cardiolipin levels.

Media events:

Interviewed by Angie Seth, News Anchor for CTV News: Muscle, Exercise and Aging (May 25, 2019)
Interviewed by Meghan Mueller for Brainstorm webpage (Jan 9 2019)
Interviewed by Matt Dionne, Excalibur Newspaper (Nov 16 2016).
Interviewed by Judy Foreman, Health Columnist, Oxford University press: Exercise signaling to mitochondrial biogenesis (Oct 26 2016).
Interviewed for CHCH news (Hamilton, Ont): Aging muscle and exercise (Jan 17, 2012).
Interviewed for the Discovery Channel: Muscle Hypertrophy and Brad Pitt (May 14, 2004).

Science Speakers Bureau / High School and Knowledge Translation Presentations:

23.	York University Faculty of Health CIHR grant seminar	(Sept 11, 2019)
22.	York University, VPRI event: Infrastructure Champion	(Jan 18, 2018)
21.	York University Engineering symposium	(Nov. 18 2015)
20.	York University, VP Research and Innovation event	(Jan 17, 2012)
19.	N. Bethune Collegiate	(Nov. 23, 2010)
18.	Faculty of Health Student Caucus	(Oct. 7, 2010)
17.	TBI Exploring Minds Lecture Series	(Apr. 6, 2010)
16.	Streetsville Senior Secondary School	(Mar. 25, 2010)
15.	R.F. Hall Secondary School	(Oct 5, 2006)
14.	Fr. M. McGivney Secondary School	(Nov. 3, 2004)

13.	FPAS Science Awareness at York	(Apr. 28, 2004)
12.	Norman Bethune Collegiate Institute	(Nov. 21, 2002)
11.	Lorne Park Collegiate	(Mar. 19, 1997)
10.	Etobikoke High School	(Oct. 15, 1996)
9.	Cardinal Leger, Brampton	(May 17, 1996)
8.	Father Bersani, Woodbridge	(Mar. 23, 1994)
7.	R.H. King Academy	(May 20, 1993)
6.	Stouffville Secondary School	(Oct. 28, 1992)
5.	Newmarket High School	(Apr. 10, 1991)
4.	Streetsville Senior Secondary School	(Mar. 27, 1991)
3.	Biology Teacher's Symposium, York University	(May 2, 1990)
2.	Streetsville Senior Secondary School	(Feb. 20, 1990)
1.	Marc Garneau Collegiate Institute	(Oct. 16, 1989)

PROFESSIONAL AFFILIATIONS:

2012-present: Canadian Association of Health Sciences
2000-present: American Society for Biochemistry and Molecular Biology
1996-present: American Physiological Society
1980-Present: Canadian Association of Sport Sciences-Canadian Society for Exercise Physiology (CSEP)
1980-Present: American College of Sport Medicine (ACSM)

EDITORSHIPS:

Associate Editor: Journal of Sports Medicine and Health Science, 2019-present
Associate Editor: Journal of Science in Sport and Exercise, 2018-present
Associate Editor: Journal of Muscle Health, 2016-2017
Associate Editor: Applied Physiology, Nutrition and Metabolism (APNM), 2006-2008 (3 years)

REVIEWER:

For Peer-reviewed Journals:
Science, EMBO Reports, Journal of Biological Chemistry, Nature Communications, Biochemical Journal, Journal of Cell Biology, Cellular and Molecular Biochemistry, Canadian Journal of Physiology and Pharmacology, Journal of Applied Physiology (Editorial board member, 1999-2008), American Journal of Physiology, Canadian Journal of Applied Physiology, Applied Physiology, Nutrition and Metabolism, Naturwissenschaften, Journal of Gerontology, Journal of Aging Research, Acta Physiologica, Journal of Antioxidant Research

For Granting Agencies:

Member: NSERC Biological Systems and Functions 1502 Grant Selection Committee, 2019-20
Member: CFI-JELF Evaluation Committee, Fall 2019
Member: CIHR Biological Mechanisms of Aging Panel, Spring 2019
Member: CIHR Biological Mechanisms of Aging Panel, Fall 2018

Member: CIHR Biological Mechanisms of Aging Panel, Spring 2018
Member: Cancer Research Society, Panel A, 2018
Member: CIHR Movement and Exercise Panel, 2017
Member: NIH Site-visit Reviewer, May 2016
Member: NIH Site visit, Bethesda, MD, May, 2016
Member: NIH Neuromuscular Junction and Aging Review Panel, June 2015
Member: CIHR Movement and Exercise Panel, May, 2015
Member: NIH Skeletal Muscle and Exercise Physiology Review Panel, Oct 2014
Member: CIHR Movement and Exercise Panel, May, 2014
Member: NIH Skeletal Muscle and Exercise Physiology Review Panel, June 2013
Member: NSERC Research Tools and Instruments Grant Selection Committee, 2012-13, 2013-14
Chair: NSERC Research Tools and Instruments Grant Selection Committee, 2011-12
Member: Heart and Stroke Foundation Grant Selection Committee, December 2010
Member: NSERC Grant Selection Committee 1502 (Biological Systems and Functions), 2010
Chair: NSERC Grant Selection Committee 1011B (Integrative Animal Biology), 2007-08
Member: NSERC Grant Selection Committee 1011B (Integrative Animal Biology), 2006-07
Member: CIHR Movement and Exercise Panel, 2005-06
Member: NSERC Grant Selection Committee 1011B (Integrative Animal Biology), 2004-05

Natural Science and Engineering Research Council of Canada (NSERC)
Heart and Stroke Foundation of Canada
Canadian Institutes for Health Research (CIHR)
Michael Smith Foundation for Health Research
Sick Kids Foundation national Grants
Canada Research Chairs
Canada Foundation for Innovation
Alberta Heritage Foundation
Alberta Children's Hospital Foundation
NIH Special Emphasis Panel Reviewer on Obesity and Metabolism (US)
Department Of Veterans Affairs Medical Research Service (US)
Allegheny Research Institute (US)
Wellcome Trust (UK)
Biomedical Research Council (Singapore)

YORK UNIVERSITY KINESIOLOGY AND HEALTH SCIENCE COMMITTEES

2018-21	International Biochemistry of Exercise 2021 LOC Chair
2013-14	Search Committee for CRC in Cardiovascular Biology (Biology Dept)
2013-14	Search Committee for Cardiovascular Physiology position
2013-15	Academic Executive Committee
2012-15	Graduate Seminar Chair for Molecular, Cellular and Integrative Physiology
2011-12	Search Committee Chair for the Human Exercise Physiology position
2011	Knowledge Translation Committee
2011-12	Tenure and Promotions Committee
2010	Acting School Chair (May-June 2010)
2010	Chair, Search Committee for the Chair of the School
2009	Acting School Chair (May 2009)

2009-10	Knowledge Translation Committee
2008-09	Search Committee for Stem Cell Biology position
2007-09	Academic Executive Committee
2007-10	Graduate Executive Committee
2007	Search Committee for Cardiovascular/Fitness position
2005-06	Search Committee Chair for Human Nutrition position
2004-05	Search Committee for Physiology positions (2), and the UG Program Director
2003-04	Search Committee Chair for 3 Physiology positions
2003-04, 04-06	Executive Committee (Academic)
2002-03	Search Committee for 2 Physiology positions
2000-02	Executive Committee (Academic)
1999-00	Tenure and Promotions Committee
1998-99	Tenure and Promotions Committee
1998-99	Search Committee for the Neuroscience position
1998-99	Search Committee for the Exercise Physiology/Biochemistry position
1997-98	Search Committee for the Sport Therapy/Rehabilitation Position
1997-98	Committee on Undergraduate Studies
1996-97	Tenure and Promotions Committee (Chair)
1988-94, 95-present	Library Committee (Science) representative
1993-94	Committee on Undergraduate Studies
1993	Nominating Committee
1992-93	Search Committee for the Exercise Physiology Position (Chair)
1991	Special Events for External Constituents Committee
1990-92	Undergraduate Program Review Committee
1990-	Farquharson Space Committee
1989-90	Tenure and Promotions Committee
1989	Search Committee for the Director of Athletics and Recreation
1989-90	Nominating Committee

YORK UNIVERSITY FACULTY COMMITTEES

2017-19	Faculty of Health York Research Chair Evaluation Committee
2017-19	Faculty of Graduate Studies NSERC-OGS Doctoral Award Committee
2016	Canada-China delegation lecturer (October 2016)
2016-17	Faculty of Health Farquharson User Committee
2006-07	Faculty of Health Research Task Force
2000-01	Faculty of Pure and Applied Science Tenure and Promotions Committee
1997-98	Faculty of Pure and Applied Science Tenure and Promotions Committee
1988-95	Faculty of Pure and Applied Science Library Committee
1996-97	Faculty of Graduate Studies Petitions Committee
1993, 96-98	Faculty of Science Research Committee
1991-93	Faculty of Graduate Studies Scholarships and Grants Committee (Chair, 1992-93**)**
1991-92	Task Force on Undergraduate Student Exchanges and Study Abroad

1990-92	Task Force on Ethical Issues in Research
1989-90	Faculty of Graduate Studies Council Representative

MUSCLE HEALTH RESEARCH CENTRE (MHRC) SERVICE

2020	Organizer, Muscle Health Awareness Day-11, May 22, 2020
2019	Organizer, Muscle Health Awareness Day-10, May 24, 2019
2018	Organizer, Muscle Health Awareness Day-9, May 25, 2018
2017	Organizer, Muscle Health Awareness Day-8, May 26, 2017
2016	Organizer, Muscle Health Awareness Day-7, May 27, 2016
2015	Organizer, Muscle Health Awareness Day-6, May 22, 2015
2014	Organizer, Muscle Health Awareness Day-5, May 23, 2014
2013	Organizer, Muscle Health Awareness Day-4, May 17, 2013
2012	Organizer, Muscle Health Awareness Day-3, May 25, 2012
2011	Organizer, Muscle Health Awareness Day-2, May 27, 2011
2009-10	Established the Research Colloquium and Seminar Series (began Fall, 2009) Established the Annual Muscle Health Awareness Day (began May 28, 2010) Organized the Official Launch of the MHRC (January 2010)

YORK UNIVERSITY SENATE SUB-COMMITTEES

2015	AVP Research Advising Committee
2013-14	Member of VPRI SPORT Committee
2009-10	ORU Evaluation Subcommittee
2006-08	Faculty of Health Representative on the Senate Committee on Research (SCOR)
2005-12	Office of Research Services Special Information Session on the preparation of NSERC grants (May 2005, May 2006, May 2007, August 2011, June 2012)
2002-03	Human Participants Review Committee
1996-98	Animal Care Committee
1991-95	Animal Care Committee (Chair)
1988-91	Animal Care Committee

OTHER EXTERNAL SERVICE

2016	Faculty of Health, Laurentian University, Mentorship Workshop Keynote Speaker, (Dec 6, 2016)
2015-18	International Councilor of the Exercise and Environmental Physiology Steering Committee for the American Physiological Society
2012	External Reviewer: Graduate Program in Biomolecular Sciences, Laurentian University (May, 2012)
2010	Chair and Organizer of the Canadian Society for Exercise Physiology Annual General Meeting, Toronto, Ontario, November, 2010.

2006-09	International Union of Physiological Sciences (IUPS) Program Chair on “Muscle”, IUPS Meeting, Kyoto, Japan, 2009
2006-09	Chair, Knowledge Translation/Education Committee, Canadian Society for Exercise Physiology
2006-08	Councilor of the Exercise and Environmental Physiology Steering Committee for the American Physiological Society
2003-06	Vice-President (Research) of the Canadian Society for Exercise Physiology
2003	Chair and Organizer of the Ontario Exercise Physiology Meeting, Barrie, Ontario, January, 2003
1989	Chair and Organizer of the Ontario Exercise Physiology Meeting, Collingwood, Ontario, February, 1989.