CURRICULUM VITAE

1. NAME:

Tara L. Haas, Ph.D., Full Professor (tenured)

2. DEGREES:

Ph.D., University of Virginia, Department of Physiology, 1995 [supervisor: Dr. Brian Duling].
B.Sc. (Human Kinetics), University of Guelph, Department of Human Biology, 1990.

3. EMPLOYMENT HISTORY:

2016-	Full Professor, School of Kinesiology and Health Science, York University.
2004 -2015	Associate Professor, School of Kinesiology and Health Science, York University.
1999-2004	Assistant Professor, School of Kinesiology and Health Science, York University.
1995-1999	Postdoctoral Fellow, Department of Pathology, Yale University [supervisor: Dr. Joseph Madri].

Additional Appointments

July 2006-	Adjunct Professor, University of Guelph

4. ACADEMIC HONOURS:

2013	Canadian Society of Exercise Physiology President Lectureship
2010	Fellow of the Cardiovascular Section, American Physiological Society
2002	CIHR New Investigator Award
2000	Premier's Research Excellence Award
1999	Experimental Pathologist in Training Award, American Society for Investigative Pathology
1998	Research Career Enhancement Award, American Physiological Society

5. SCHOLARLY and PROFESSIONAL ACADEMIC ACTIVITIES:

Society Member:
American Physiological Society, Microcirculatory Society

Journal Editorial and Reviewing Service:

2015-2020	Reviewing Editor, *Frontiers in Cardiovascular Medicine: Regenerative Cardiology*
2010-2013	Associate Editor, *Microcirculation*
2007-2010	Member of Editorial Board, *Am. J. Physiol. Heart and Circ. Phys*.

Ad hoc reviewer for the following journals:
Circulation Research; Arteriosclerosis, Thrombosis and Vascular Biology; Blood; FASEB Journal; Laboratory Investigation; Journal of Physiology (London); Journal of Cellular Physiology; American

Journal of Pathology; American Journal of Physiology; Microcirculation; Experimental Physiology; Journal of Cellular Biochemistry; PloS One; Canadian Journal of Applied Physiology; Medicine and Science in Sports and Exercise.

National Grant Review:

2019	CIHR Project Grant Review, Fall 2019, Cardiovascular C
2018	CIHR Project Grant Review, Fall 2018, Cardiovascular C
2017	Heart and Stroke Foundation of Canada, Committee V
2016	Heart and Stroke Foundation of Canada, Committee V
2016	CIHR Program Grant Review, spring 2016
2015	Heart and Stroke Foundation of Canada, Committee V
2015	CIHR Reviewer, Cardiovascular B (transitional operating grant competition)
2014	CIHR Foundation Scheme Stage 1 Reviewer
2014	Heart and Stroke Foundation of Canada, Committee V

Committees:

Extramural Service:

2015-2018	Local Organizing Committee Member, World Congress in Microcirculation, held in Vancouver, 2018
2013	Program Committee/Session Chair, Microcirculatory Society Fall conference in Cape Cod, October 2013, in conjunction with North American Vascular Biology Organization
2011-2013	Secretary, Microcirculatory Society
2008-2009	Scientific Committee, Vascular Matrix Remodelling and Bioengineering Workshop II, North American Vascular Biology Organization, Whistler, BC, March 2009
2008-2011	Institute Advisory Board, Institute of Circulatory and Respiratory Health, CIHR
2007-2012	Vice-Chair; External Advisory Board, Cardiovascular Complications of Diabetes Initiative, ICRH
2006-2008	Organizing Committee and Session Chair, American Physiological Society Integrative Physiology of Exercise Conference, Hilton Head, SC, September 2008
2006-2007	Scientific Advisory Committee, Vascular Matrix Remodelling and Bioengineering Workshop, North American Vascular Biology Organization, Whistler, BC, March 2007
2005-2008	Council Member, Microcirculatory Society
2005-2008	Institute Advisory Board, Institute of Circulatory and Respiratory Health, CIHR
2001-2004	American Society for Investigative Pathology Program Committee Member

Intramural:

Pan-University

2016-2019	Member, Senate Awards Committee
2014-2019	Chair, Biosafety Committee
2012-2013	Member, University Vivaria User Committee
2012-2013	Chair, Farquharson Vivaria User Committee
2009-2013	Member, Biosafety Committee
2009-2010	KAHS representative on the Users' Committee, Life Sciences Building Planning
2008	KAHS representative on Pan-University Subcommittee on Bachelor of Science Degree Expectations

2007-2010 Senate Tenure and Promotions Committee (2009-2010 – Co-Chair of Committee)

Faculty
2016-2019 Faculty of Health Academic Honesty Panel Member, Chair 2018-2019
2016-2018 Faculty of Graduate Studies Awards Committee

School of Kinesiology and Health Science
2019-2020 Chair, Faculty Search Committee for Applied Cardiovascular Physiology
2015-2020 Tenure and Promotion Core Committee
2014-2016 Academic Executive
2008-2011 Graduate Program Director
2008-2011 Academic Executive, Member
2008 Vision Implementation Team
2008 Task Force on Course Work Only Masters Program, Chair
2005-2007 Academic Executive
2003-2005 Committee on Undergraduate Studies

6. TRAINEE SUPERVISION:

Postdoctoral Associates Supervised: 5 total

PhD Students Supervised: 7

Master's Students Supervised: 17

Undergraduate Supervisions: 65

7. TEACHING

A) GRADUATE COURSES:

Fall 2018 KAHS 6301: Vascular biology in health and disease
Fall 2016 KAHS 6301: Vascular biology in health and disease
Fall 2014 KAHS 6301: Vascular biology in health and disease
Winter 2013 KAHS 6360: Cardiovascular Systems in health and exercise
Fall 2011 KAHS 6301: Vascular biology in health and disease
Winter 2010 KAHS 6301: Vascular biology in health and disease
Fall 2007 KAHS 6301: Vascular biology in health and disease
Winter 2005 KAHS 6301: Vascular biology in health and disease
Winter 2003 KAHS 6301: Vascular biology in health and disease
Winter 2001 KAHS 5301: Vascular biology in health and disease
Winter 2001 KAHS 5360: Advanced Exercise Physiology II: Cardiovascular (Integrated)

B) UNDERGRADUATE TEACHING
Winter 2019 KINE 3012: Human Physiology II (co-taught with M. Connor) CD

Fall 2018 KINE 4453: Vascular Function in Health and Disease
Winter 2018 KINE 3012: Human Physiology II (co-taught with M. Connor)
Fall 2017 KINE 4453: Vascular Function in Health and Disease
Winter 2017 KINE 3012: Human Physiology II (co-taught with M. Connor) CD
Fall 2016 KINE 4453: Vascular Function in Health and Disease
Winter 2016 KINE 3012: Human Physiology II (co-taught with M. Connor)
Fall 2015 KINE 4453: Vascular Function in Health and Disease
Winter 2015 KINE 3012: Human Physiology II (Course director; co-taught with M. Connor)
Fall 2014 KINE 4453: Vascular Function in Health and Disease
Winter 2013 KINE 3012: Human Physiology II (co-taught with M. Connor)
Fall 2012 KINE 4453: Vascular Function in Health and Disease
Winter 2012 KINE 3012: Human Physiology II (Course director; co-taught with M. Connor)
Fall 2011 KINE 4453: Vascular Function in Health and Disease
Winter 2011 KINE 3012: Human Physiology II (Course director; taught full course)
Winter 2010 KINE 3012: Human Physiology II (Course director; taught full course)
Winter 2009 KINE 3012: Human Physiology II (Course director; taught full course)
Winter 2008 KINE 3012: Human Physiology II (Course director; taught full course)
Summer 2006 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2006 KINE 4010: Exercise Physiology (co-taught with D. Hood)
Fall 2005 KINE 3011: Human Physiology I (Course director; co-taught with T. Hawke)
Summer 2005 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2005 KINE 4010: Exercise Physiology (co-taught with E. Cafarelli)
Fall 2004 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Summer2004 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2004 KINE 3011: Human Physiology I (Course director; co-taught with T. Hawke)
Fall 2003 KINE 3012: Human Physiology II (Course director; taught full course)
Fall 2003 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2002 KINE 3011: Human Physiology I (co-taught with J. McDermott)
Fall 2001 KINE 3012: Human Physiology II (co-taught with E. Cafarelli)
Fall 2001 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2001 KINE 4450: Advanced Exercise Physiology: Cardiovascular
Winter 2000 KINE 4450: Advanced Exercise Physiology: Cardiovascular

8. RESEARCH FUNDING

[Sole PI unless indicated otherwise]

A) CURRENT EXTERNAL

2019-2021 NSERC New Frontiers Grant $250,000 total funding
"Zero-Gravity 3D Bioprinting of Super-Soft Materials" PI; Aleksander Czekanski; co-applicants: T.L. Haas, Kristin Andrews, Roxanne Mykitiuk

2018-2023 NSERC Discovery Grant (renewal); $165,000 total funding (5 years)
"Regulation of angiogenesis in skeletal muscle"

B) PREVIOUS EXTERNAL

2017-2018 CIF (Swedish Research Council for Sport Science) 570000 SEK total funding (~$146,000 Cdn) (2 years)
"*Red blood cell-derived nitric oxide: Novel regulator of exercise adaptation"*
PI – Thomas Gustafsson (Karolinska Inst, Sweden); Co-applicants: T.L. Haas; C. Perry; J. Pernow (Sweden)

2015-2018 Heart and Stroke Research Foundation of Canada $266,211 total funding (3 years); "*Regulators of angiogenesis in peripheral limb ischemia"* PI – Tara Haas; Co-applicants: C. Ellis (UWO) and O. Birot

2015 NSERC Research Tools and Instrumentation; $150,000 (PI: C. Perry; co-applicants: Haas, Hood, Ceddia, Riddell, Scime) *"A core in vivo microCT imaging system for analyzing body composition, circulation and cardiorespiratory function in rodents"*

2013-2018 NSERC Discovery Grant (renewal); $165,000 total funding (5 years)
"Regulation of capillary sprouting and stabilization in skeletal muscle"

2013-2017 CIHR Operating Grant $390,800 total funding (4 years) (PI; 1 Co-applicant: E. Roudier) "*Microvascular remodeling of the adipose and muscle tissues in diet-induced obesity: regulation by FoxO proteins"*

2013 NSERC Research Tools and Instrumentation; $40,741 (PI; 1 co-applicant: O. Birot)
"Multi-modal plate reader"

2011 NSERC Research Tools and Instrumentation; $140,767 (Dr. Imogen Coe, PI , myself + 5 other co-applicants) "*Components for Spinning Disc Confocal Microscope"*

2010 CIHR Operating Grant Priority Announcement; $98,097 (1 year) *"Regulation of FoxO in Ischemic Skeletal Muscle"*

2010-2013 Heart and Stroke Foundation of Ontario; $225,000 total funding (3 years) July start
"Roles of Protease Inhibitors in Skeletal Muscle Microvascular Remodeling"

2009 NSERC Research Tools and Instrumentation; $63,708 (Dr. Olivier Birot, PI , myself +2 other co-applicants) *"Acquisition of a complete imaging workstation for chemiluminescent and fluorescent analysis of gels and blots*

2008-2013 NSERC Discovery Grant (renewal); $200,250 total funding (5 years) *"Regulation of matrix metalloproteinases in angiogenesis"*

2007-2009 Heart and Stroke Foundation of Ontario; $159,500 total funding (2 years) *"The regulation of angiogenic factors by shear stress"*

2005 NIH Grant R01 HL042898-11 (Dr. Joe Unthank, PI); $12,405 (3 years) *"Vascular Adaptation in Pathophysiology"*

2003-2008 NSERC Discovery Grant (renewal); $200,250 total funding (5 years) "*Regulation of matrix metalloproteinases in angiogenesis"*

2002-2007 CIHR New Investigator Award; $250,000 total funding (5 years) "*Role of mechanotransduction in the stimulation of angiogenesis"*

2002-2005 CIHR Operating Grant; $305,796 total funding (3 years) *"Role of mechanotransduction in the stimulation of angiogenesis"*

2001 Ontario Innovation Trust; $216, 877; Infrastructure *"Stimulation of angiogenesis by mechanical forces"*

2001 Canadian Foundation for Innovation New Opportunities; $216, 877; Infrastructure *"Stimulation of angiogenesis by mechanical forces"*

2001 Premier's Research Excellence Award; $150,000; Personnel support *"Regulation of Genes controlling growth of new Blood Vessels"*

2001 NSERC Equipment Grant; $71,720 (PI; + 8 others) *"Gel Documentation and Analysis System"*

2000 NSERC Equipment Grant; $31,706 *"FlexCell Strain Equipment"*

1999-2003 NSERC Research Grant (operating expenses); $134,400 total funding (4 years) *"Regulation of matrix metalloproteinases in angiogenesis"*

C) INTERNAL RESEARCH FUNDING:

2018 Faculty of Health Conference Travel Funds; $1000 (Fall)
2018 Faculty of Health Conference Travel Funds; $1000 (Winter)
2016 Faculty of Health Minor Research Grant; $3000
2015 Faculty of Health Conference Travel Funds; $1000 (October)
2015 Faculty of Health Conference Travel Funds; $1000 (March)
2014 Faculty of Health Minor Research Grant; $3000
2013 Faculty of Health Conference Travel Funds; $1000
2012 Faculty of Health Conference Travel Funds; $1000
2012 Faculty of Health Minor Research Grant; $3000
2010 Faculty of Health Conference Travel Funds; $1000
2009 Faculty of Health Minor Research Grant; $3000
2009 Faculty of Health Conference Travel Funds; $850
2006 York University Bridge Funding; $12,000

2006 York University Minor Research Grant; $1,551
2005 York University Supplemental Research Grant; $900
2002 York University Supplemental Research Grant; $900
2002 York University Junior Faculty Research Grant; $615
2001 York University Supplemental Research Grant; $900
2001 York University Junior Faculty Research Grant; $700
2000 York University Junior Faculty Research Grant; $790
1999 Start-up Funds; $90,000

9. PUBLICATIONS:

(a) Total number of papers in refereed journals (58)
Total number of abstracts/conference proceedings (68)

(b) Publication Details (prior to 1995, published under name of T.L. Little):
Underlined names indicate undergraduate or graduate student trainees under my supervision.
Journal impact factors refer to those published in the 2014 JCR Science Edition.

PAPERS IN REFEREED JOURNALS:

58. Rudnicki M, Abdifarkosh G, Nwadozi E, Ramos SV, Makki A, Sepa-Kishi DM, Ceddia RB, Perry CGR, Roudier E, Haas TL. Endothelial-specific FoxO1 depletion prevents obesity-related disorders by increasing vascular metabolism and growth. Elife. 2018 Dec 4;7. pii: e39780. doi: 10.7554/eLife.39780.
57. Rudnicki M, Abdifarkosh G, Rezvan O, Nwadozi E, Roudier E, Haas TL. Female mice have higher angiogenesis in perigonadal adipose tissue than males in response to high-fat diet. Front Physiol 2018;doi:https://doi.org/10.3389/fphys.2018.01452
56. Nwadozi, E., A. Ng, A. Stromberg, H. Liu, K. Olsson, T. Gustafsson* and T.L. Haas*. Leptin is a physiological regulator of skeletal muscle angiogenesis and is locally produced by PDGFRα and PDGFRβ expressing perivascular cells. Angiogenesis 2018 Aug 18. DOI: 10.1007/s10456-018-9641-6(*shared senior author)
55. Mandel, E.R. E.C. Dunford, G. Abdifarkosh, P. C. Turnbull, C.G.R. Perry, M.C. Riddell and T.L. Haas. The superoxide dismutase mimetic tempol does not alleviate glucocorticoid-mediated rarefaction of rat skeletal muscle capillaries. Physiol Rep 2017 May;5(10). pii: e13243. doi: 10.14814/phy2.13243
54. Dunford, E.C., E. Leclair, J. Aiken, E.R. Mandel, T.L. Haas, O. Birot, and M.C. Riddell. The effects of voluntary exercise and prazosin on capillary rarefaction and metabolism in streptozotocin-induced diabetic male rats. J Appl Physiol (1985). 2017 Mar 1;122(3):492-502. doi: 10.1152/japplphysiol.00762.2016.
53. Dunford E.C., E.R Mandel, S. Mohajeri, T.L. Haas and M.C. Riddell. The metabolic effects of prazosin on insulin resistance in glucocorticoid-treated rats. Am J Physiol Regul Integr Comp Physiol. 2017 Jan 1;312(1):R62-R73. doi: 10.1152/ajpregu.00146.2016. **IF: 3.17**
52. Mandel, E.R. E.C. Dunford, A. Trifonova, G. Abdifarkosh, T. Teich, M.C. Riddell and T.L. Haas. Prazosin Can Prevent Glucocorticoid-mediated Capillary Rarefaction. PLOS One 2016 Nov 18;11(11):e0166899. doi: 10.1371/journal.pone.0166899. **IF: 3.06**

51. Mandel, E.R., C. Uchida, E. Nwadozi, A. Makki and T.L. Haas. TIMP1 regulates vascular remodeling in response to altered blood flow. J Cell Physiol. 2017 Apr;232(4):831-841. doi: 10.1002/jcp.25491. **IF: 4.16**
50. Nwadozi, E.*, E. Roudier*, E. Rullman, S. Tharmalingam, H. Liu, T. Gustafsson[$], T.L. Haas[$]. Endothelial FoxO proteins impair insulin sensitivity and restrain muscle angiogenesis in response to high fat diet. */[$] Shared first/senior authorship, respectively. FASEB J. 2016 Sep;30(9):3039-52. doi: 10.1096/fj.201600245R. **IF: 5.04**
49. Aiken, J., E. Roudier, J. Ciccone, G. Drouin, A. Stromberg, J.Vojnovic, I. M. Olfert, T.L. Haas, T. Gustafsson, G. Grenier, O. Birot. Phosphorylation of Murine Double Minute-2 on Ser166 is downstream of VEGF-A in exercised skeletal muscle and regulates primary endothelial cells migration and FoxO gene expression. FASEB J 2016 Mar;30(3):1120-34; doi: 10.1096/fj.15-276964. **IF:5.04**
48. Haas, T.L. and E. Nwadozi. Regulation of Capillary Growth in Skeletal Muscle in Exercise and Disease. *(Invited review)* Applied Physiology, Nutrition and Metabolism. 2015 Dec;40(12):1221-32. doi: 10.1139/apnm-2015-0336; *Based on CSEP President's award lecture 2013. Times cited: 7*; **IF: 2.68**
47. Beaudry, J., E. Dunford, E. Leclair, E. Mandel, A. Peckett, T.L. Haas and M.C. Riddell. Voluntary exercise improves metabolic profile in high-fat fed glucocorticoid treated rats. J. Appl. Physiol. 2015;118(11):1331-43; doi: 10.1152/japplphysiol.00467.2014 *My contribution – 5% -my graduate student, E. Mandel, conducted some histological analyses for the study. I reviewed her data, and the completed manuscript draft. Times cited: 7*; **IF: 3.06**
46. Uchida, C., E. Nwadozi, A. Hasanee, S. Olenich, I.M. Olfert and T.L. Haas. Muscle-derived vascular endothelial growth factor regulates microvascular remodelling in response to increased shear stress in mice. Acta Physiol (Oxf), 2015 214(3):349-60. doi: 10.1111/apha.12463 *Times cited: 23*; **IF:4.38** *Editorial written on this paper and it was short-listed for Acta Physiologica award 2018*
45. Slopack, D., E. Roudier, S.T.K. Liu, E. Nwadozi, O. Birot, T.L. Haas. Forkhead BoxO transcription factors restrain exercise-induced angiogenesis. J Physiol. 2014, 592(Pt 18):4069-82; doi: 10.1113/jphysiol.2014.275867. *Times cited: 18;* **IF:5.04**
44. Milkiewicz, M., A. Kempinska-Podhorodecka, T. Haas, D.P. Bogdanos, E. Elias, P. Milkiewicz, J. Kopycinska. Ursodeoxycholic acid influences the expression of p27kip1 but not FoxO1 in patients with non-cirrhotic Primary Biliary Cirrhosis. J Immunol Res 2014; 2014:921285. doi:10.1155/2014/921285. *My contribution – 5% - I provided samples that were analyzed for this study and I read and edited the manuscript.*
43. Uchida, C., T.L. Haas. Endothelial TIMP1 is upregulated by shear stress via Sp1 and the TGFβ1 signaling pathways. Biochem. Cell Biol. 2014; 92:1-7. *Times cited: 5*; **IF:2.35**
42. Gorman, J.L., S.T.K. Liu, D. Slopack, K. Shariati, A. Hasanee, S. Olenich, I.M. Olfert and T.L. Haas. Angiotensin II evokes angiogenic signals within skeletal muscle through co-ordinated effects on skeletal myocytes and endothelial cells. PLoS One. 2014 Jan 9;9(1):e85537. doi: 10.1371/journal.pone.0085537 *Times cited: 21;* **IF:3.23**
41. Haas, T.L. Shaping and Remodeling of the Fetoplacental Circulation: Aspects of Health and Disease. Microcirculation 2014 Jan;21(1):1-3. doi: 10.1111/micc.12084 **IF:2.56**
40. Roudier, E., J. Aiken, D. Slopack, F. Gouzi, J. Mercier, T. L. Haas, T. Gustafsson, M. Hayot, O. Birot. Novel Perspective: Exercise training stimulus triggers the expression of the oncoprotein Human Double Minute-2 in human skeletal muscle. Physiol.Rep. 2013 1:e00028; DOI: 10.1002/phy2.28. *My contribution – 20% -my graduate student, D. Slopack, conducted analyses*

for this paper. I was involved heavily in the analysis and interpretation of data and drafting of the final manuscript.

39. Mandel, E., C. Uchida, T.L. Haas. Chpt. 16. Regulation of proteolysis in vascular remodeling. In "Roles of Proteolysis in Cellular Dysfunction". S. Chakraborti and N. Dhalla (Eds). Advances in Biochemistry in Health and Disease 8, DOI 10.1007/978-1-4614-9099-9_16, © Springer Science+Business Media New York 2014
38. Roudier, E., M. Milkiewicz, O. Birot, D. Slopack, A. Montelius, T. Gustafsson, J.H. Paik, R.A. DePinho, G.P. Casale, I.I. Pipinos, T.L. Haas. Endothelial FoxO1 is an intrinsic regulator of thrombospondin1 expression that restrains angiogenesis in ischemic muscle. Angiogenesis 2013 16(4):759-772, DOI: 10.1007/s10456-013-9353-x *Times cited: 25*; **IF:4.88**
37. Kopycinska,J., P. Milkiewicz, A. Kempińska-Podhorecka, T.L. Haas, E. Elias, R.A. DePinho, J. Paik, M. Milkiewicz. Activation of FoxO3a/ Bim axis in patients with Primary Biliary Cirrhosis. Liver Int. 2013 Feb;33(2):231-8. doi: 10.1111/liv.12030.
IF:4.85 *My contribution – 10% - Dr. Milkiewicz conducted transgenic mouse experiments in my lab and used these samples for her study. I also read and edited the manuscript.*
36. Shikatani, E.A., A. Trifonova, E.R. Mandel, S.T.K. Liu, E. Roudier, A. Krylova, A. Szigiato, J. Beaudry, M.C. Riddell, and T.L. Haas. Inhibition of proliferation, migration and proteolysis contribute to corticosterone-mediated inhibition of angiogenesis. Plos One 2012 Oct, 7: e46625. doi:10.1371/journal.pone.0046625 *Times cited: 26*; **IF:3.23**
35. Haas, T.L., P.G. Lloyd, H-T. Yang and R.L. Terjung. Exercise training and peripheral artery disease. Compr Physiol 2012 Oct, 2: 2933-3017. doi: 10.1002/cphy.c110065 *Times cited: 49*; **IF:5.74** *My contribution – 30% - I wrote approximately 1/3 of this review.*
34. Kobus, K, J. Kopycińska, A. Kozlowska-Wiechowska, E. Urasinska, A. Kempinska-Podhorodecka, T.L. Haas, P. Milkiewicz, M. Milkiewicz. Angiogenesis within the duodenum of patients with cirrhosis is modulated by mechanosensitive Kruppel-like factor 2 and microRNA-126. Liver Int. 2012 32(8):1222-1232. doi: 10.1111/j.1478-3231.2012.02791 *Times cited: 11*;
IF:4.85 *My contribution – 10% - I hosted Dr. Milkiewicz and K. Kobus in my lab and provided samples that were analyzed for this study and read/edited the manuscript.*
33. Gorman, J.L., E. Ispanovic and T.L. Haas. Regulation of Matrix Metalloproteinase Expression. Drug Discovery Today: Disease Models 2011 8(1):5-11 (DOI: 10.1016/j.ddmod.2011.06.001).
32. Unthank, J.L., T.L. Haas and S.J. Millar. Impact of shear level and cardiovascular risk factors on bioavailable nitric oxide and outward remodeling of mesenteric arteries. pp. 89-119 *In* "Arteriogenesis – Molecular regulation, pathophysiology and therapeutics I", E. Deindl and W. Schaper, Editors, Shaker Verlag Aachen, 2011. *My contribution – 10% - I provided data and wrote a segment of this review, as well as edited the entire review paper.*
31. Milkiewicz, M., E. Roudier, J.L. Doyle, A. Trifonova, O. Birot, T.L. Haas. Identification of a mechanism underlying regulation of the anti-angiogenic forkhead transcription factor FoxO1 in cultured endothelial cells and ischemic muscle. Am. J Pathol. 2011 178(2):935-944. *Times cited: 31*; **IF:5.07**
30. Doyle, J.L. and T.L. Haas. The angiogenic response to skeletal muscle overload is not dependent on mast cell activation. Microcirculation 2010 Oct;17(7):548-56. **IF:2.56**
29. Gee, E., M. Milkiewicz and T.L. Haas. p38 MAPK is Activated by Vascular endothelial growth factor receptor 2 and is essential for shear stress-induced angiogenesis. J Cell Physiol. 2010 Jan;222(1):120-6. *Times cited: 50*; **IF:3.84**
28. Doyle, J.L. and T.L. Haas. Differential role of beta-catenin in VEGF and histamine-induced MMP-2 production in microvascular endothelial cells. J. Cell Biochem. 107(2):272-83, 2009. *Times*

cited: 31; **IF:3.26**

27. Uchida, C. and T.L. Haas. Evolving Strategies in Manipulating VEGF/VEGFR Signaling for the Promotion of Angiogenesis in Ischemic Muscle. Curr. Pharm. Des. 15(4):411-421, 2009. *Times cited: 25;***IF:3.45**
26. Rullman, E., J. Norrbom, A. Strömberg, D. Wågsäter, H. Rundqvist, T.L. Haas and T. Gustafsson. Endurance exercise activates matrix metalloproteinases in human skeletal muscle. J Appl Physiol 106(3):804-12, 2009. Times cited: 67; **IF:3.48** *My contribution – 10% - I hosted Dr. Rullman in my lab to learn laser capture microdissection and read/edited the manuscript.*
25. Ispanovic, E., D. Serio and T.L. Haas. Cdc42 and RhoA have opposing roles in regulating Membrane Type 1-Matrix Metalloproteinase localization and Matrix Metalloproteinase-2 activation. Am. J. Physiol. Cell Physiol., 295(3):C600-10, 2008. *Times cited: 41*; **IF:3.78**
24. Milkiewicz, M., C. Uchida, E. Gee, T. Fudalewski and T.L. Haas. Shear stress–induced Ets-1 modulates protease inhibitor expression in microvascular endothelial cells. J Cell Physiol, 217(2):502-10, 2008. *Times cited: 25;* **IF:3.84**
23. Uchida, C., E. Gee, E. Ispanovic and T.L. Haas. JNK as a positive regulator of angiogenic potential in endothelial cells. Cell Biology International 32:769-776, 2008. *Times cited: 42;* **IF:1.93**
22. Milkiewicz, M., J.L. Doyle, T. Fudalewski, E. Ispanovic, M. Aghasi and T.L. Haas. HIF-1α and HIF-2α play a central role in stretch-induced but not shear stress-induced angiogenesis in rat skeletal muscle. J Physiol (London) 583:753-766, 2007. *Times cited: 66*; **IF:5.04**
21. Haas, T.L., J.L. Doyle, M.R. Distasi, L.E. Norton, K.M. Sheridan and J.L. Unthank. Involvement of MMPs in the outward remodeling of collateral mesenteric arteries. Am J Physiol (Heart and Circ Physiol) 293(4):H2429-H2437, 2007. *Times cited: 34;* **IF:3.84** *My contribution – 70% - I, together with 1 grad student, conducted analyses for this study and I wrote the manuscript.*
20. Milkiewicz, M., F. Mohammadzadeh, E. Ispanovic, E. Gee and T.L. Haas. Static Strain stimulates expression of matrix metalloproteinase-2 and VEGF in microvascular endothelium via JNK and ERK dependent pathways. J. Cellular Biochem 100:750-61, 2007. Times cited: 43; **IF:3.26**
19. Ispanovic, E. and T.L. Haas. JNK and PI3K differentially regulate MMP-2 and MT1-MMP mRNA and protein in response to actin cytoskeleton reorganization in endothelial cells. Am. J. Physiol. Cell Physiol, 291:C579-88, 2006. Times cited: 74; **IF:3.78**
18. Milkiewicz, M., C. Kelland, S. Colgan and T. L. Haas. Nitric oxide and p38 MAP Kinase mediate shear stress-dependent inhibition of MMP-2 production in microvascular endothelial cells. J. Cell Physiol. 208:229-37, 2006. *Times cited: 42*; **IF:3.84**
17. Milkiewicz, M., E. Ispanovic, J.L. Doyle, and T.L. Haas. Regulators of angiogenesis and strategies for their therapeutic manipulation. Int. J. Biochem. Cell Biol. 38:333-57, 2006. *Times cited: 158*; **IF:4.04**
16. Milkiewicz, M. and T. L. Haas. Effect of mechanical stretch on HIF1α and MMP-2 expression in capillaries isolated from overloaded skeletal muscles: laser capture microdissection study. Am. J. Physiol. Heart and Circ. 289:H1315-20, 2005. *Times cited: 54*; **IF:3.84**
15. Boyd, P.J., J. Doyle, E. Gee, S. Pallan and T.L. Haas. Mitogen activated protein kinase signaling endothelial assembly into networks and the expression of MT1-MMP and MMP-2. Am. J. Physiol. Cell Physiol. 288:C659-C668, 2005. *Times cited: 55*; **IF:4.2**
14. Haas, T.L. Endothelial cell regulation of matrix metalloproteinases. Can. J. Physiol. Pharmacol. 83:1-7, 2005. *Times cited: 72*; **IF:1.55**
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5. Haas, T.L. and B.R. Duling. Morphology favors an endothelial cell pathway for longitudinal conduction within arterioles. Microvasc. Res. 53:113-120, 1997. *Times cited: 136*; **IF:2.13**
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PAPERS IN REVIEW

PAPERS IN NON-REFEREED JOURNALS/BOOKS

Milkiewicz, M. and T. L. Haas. Regulation of matrix metalloproteinases in vascular remodeling. Recent Research Developments in Physiology, 2:547-565, 2004.

ABSTRACTS (non-refereed); presented at national or international conferences

Rudnicki M, Abdifarkosh G, Nwadozi E, Ramos SV, Makki A, Sepa-Kishi DM, Ceddia RB, Perry CGR,

Roudier E, Haas TL. Endothelial FoxO1 deficiency prevents obesity-related disorders through increased endothelial glycolysis and vascular growth. Metabolism in Cancer and Stromal Cells (2nd edition), Leuven, Belgium, Nov. 2018. *Abstract was selected for an oral presentation.*

Nwadozi, E, A. Ng, A. Strömberg, K. Olsson, T. Gustafsson, T.L. Haas. Nutrient overload stimulates leptin production by skeletal muscle pericytes by provoking commitment to an adipogenic lineage. World Congress in Microcirculation, Vancouver, BC, Sept. 2018. *Invited for oral presentation.*

De Ciantis, M., E. Nwadozi, V. Mehra, S. Milkovich, C.G. Ellis, T.L. Haas. High fat diet promotes perfusion recovery and a pro-regenerative phenotype of the ischemic skeletal muscle. World Congress in Microcirculation, Vancouver, BC, Sept. 2018.

Rezvan, O., M. Rudnicki, T.L. Haas. Different Endothelial Cell Capacity to Respond to Angiogenic Stimuli in Male and Female Mice. World Congress in Microcirculation, Vancouver, BC, Sept. 2018. *Invited for oral presentation.*

Rudnicki, M., G. Abdifarkosh, E. Roudier, E. Nwadozi, T.L.Haas**.** FoxO1 deficiency in endothelial cells promotes vascular remodeling and prevents metabolic complications during obesity. ESM/EVBO, Geneva, Switzerland, June 2017. *Received travel award (CIHR and EVBO)*

Rudnicki, M., G. Abdifarkosh, E. Roudier, E. Nwadozi, T.L.Haas. Impact of endothelial-specific foxo1 depletion on the development of metabolic dysfunction in obesity. Experimental Biology, Chicago IL, April 2017

Nwadozi, E., M. De Ciantis, T.L. Haas. Endothelial FoxO1 and FoxO3a synergistically repress skeletal muscle vascular growth and blood flow recovery in a mouse model of hind limb ischemia. Experimental Biology, Chicago IL, April 2017

Abdifarkoosh, G., M. Rudnicki, E. Roudier, T.L. Haas. Microvascular content and insulin sensitivity within skeletal muscle and adipose differs between male and female mice on a high-fat diet. Experimental Biology, Chicago IL, April 2017

Nwadozi, E., H. Liu, E. Roudier, E. Rullman, T. Gustafsson, T.L. Haas. The influence of obesity-associated metabolic disturbance on the profile of angiogenic regulators and capillary number within skeletal muscle. Experimental Biology, San Diego, CA, April 2016.

Nwadozi, E. H. Liu, P. Persaud, E. Rullman, T. Gustafsson, E. Roudier, T. L. Haas. Leptin Receptor Activity Deficiency but not High Fat Feeding is associated with Skeletal Muscle Capillary Rarefaction Vascular Biology 2015, Cape Cod, MA.

Loustou, T. E. Nwadozi, H. Liu, S. Tharmalingam, T. L. Haas, E. Roudier. Endothelial-directed FoxO deletion ameliorates metabolic dysfunction and inflammation of visceral adipose during diet-induced obesity. Vascular Biology 2015, Cape Cod, MA.

Mandel, E.R., E.C. Dunford, T. Teich, M.C. Riddell, T.L. Haas. Prazosin prevents the glucocorticoid-induced capillary rarefaction in skeletal muscle. Exp. Biol. Boston 2015. *(travel awardee)*

Nwadozi, E., E. Roudier, E. Rullman, T. Gustafsson, T.L. Haas. Endothelial FoxO proteins regulate obesity associated skeletal muscle capillary rarefaction. Exp. Biol. Boston 2015. *(travel awardee)*

Dunford, E.C., E.R. Mandel, J. Beaudry, S. Mohajeri, T. Teich, T.L. Haas, M. C. Riddell. The metabolic effects of regular exercise in a rodent model of hyperglucocorticoidemia. A comparison with the angiogenic agent prazosin. CSEP, St Johns Newfoundland, October 2014

Mandel, E.R. and T.L Haas. The role of TIMP-1 on vascular remodeling in response to hind-limb ischemia. NAVBO/MCS fall conference, Cape Cod, 2013

Roudier, E. and T.L. Haas. FoxO induced inhibition of secreted molecule signalling pathways: role in promoting angiostasis in the ischemic muscle. NAVBO/MCS fall conference, Cape Cod, 2013

(Travel Awardee; Selected for oral presentation)

Roudier, E., K. Alim, V. Vu, O. Birot, G. Sweeney and T.L. Haas. Role of FoxO within the microvasculature of the skeletal muscle in diet-induced obesity. Experimental Biology, April 2013.

Roudier, E., M. Milkiewicz and T.L. Haas. FoxO induced inhibition of secreted molecule signalling pathways: role in promoting angiostasis in the ischemic muscle. Experimental Biology, April 2013

Nwadozi, E., C. Uchida, E. Gee, S. Liu and T.L. Haas. A potential role for autocrine VEGF signaling in endothelial cell function. Experimental Biology, April 2013

Liu,S.T.K., D. Slopack, E. Roudier and T. L. Haas. Regulation of exercise induced endothelial sprout formation by FoxO1/3/4. Experimental Biology, April 2013

Uchida, C., E. Nwadozi, A. Hasanee, E. Gee, S. Olenich, I.M. Olfert, T.L. Haas. Myocyte-derived VEGF regulates vascular adaptations to increased blood flow in skeletal muscle. Integrative Biology of Exercise conference, Colorado, Oct. 2012

Slopack, D., S. Liu, E. Roudier, O. Birot, A. Montelius, T. Gustafsson and T.L. Haas. FoxO1 and FoxO3a are involved in the regulation of exercise induced angiogenesis. Integrative Biology of Exercise conference, Colorado, Oct. 2012

Doyle, J.L. and T.L. Haas, A potential role for Angiotensin II in skeletal muscle overload-induced angiogenesis. Experimental Biology, April 2011

Haas, T.L., E. Roudier, J.L. Doyle, O.Birot, J. Czczek, M. Milkiewicz Conditional deletion of FoxO1/3/4 improves recovery from hindlimb ischemia, Experimental Biology, April 2011

Gee, E. and T.L. Haas. Regulation of VEGF by shear stress, World Congress of Microcirculation, Sept. 2010

Haas, T.L. E. Roudier, J.L. Doyle, M. Milkiewicz, FoxO1 Upregulation in Response to Hindlimb Ischemia, Microcirculatory Society Meeting, Oct. 2009.

Haas, T.L. S. Milkovich, D. Goldman and CG Ellis, Assessing capillary shear stress to predict network remodeling, Microcirculatory society Meeting, Oct. 2009.

Doyle, J.L. and T.L. Haas. Mast cell number is increased following muscle overload but is not critical to the angiogenic process. Experimental Biology, April 2009.

Gee, E., T. Fudalewski and T.L. Haas. The role of ATF2 and MEF2C in shear stress-mediated VEGF production. Experimental Biology, April 2009.

Shikatani, E. and T.L. Haas. Corticosterone regulation of MMP-2. Experimental Biology, April 2009.

Uchida, C., M. Milkiewicz, T. Fudalewski, E. Gee and T.L. Haas. TIMP-1 protein but not secretion is increased by shear stress in the skeletal muscle microvasculature. Experimental Biology, April 2009.

Rullman, E., J. Norrbom, A. Stromberg, D. Wagsater, H. Rundqvist, T.L. Haas and T. Gustafsson. Matrix metalloproteinase expression in human skeletal muscle in response to exercise. APS Intersociety Meeting: The Integrative Biology of Exercise-V, Sept. 2008.

Serio, D. E. Ispanovic and T. L. Haas. Cdc42 increases MMP-2 activation. ICRH Young Investigators Forum, May 2008.

Shikatani, E. and T.L. Haas. Corticosterone-dependent inhibition of MMP-2 activity is not regulated by mitogen activated protein kinases. ICRH Young Investigators Forum, May 2008.

Serio, D. E. Ispanovic and T. L. Haas. MMP-2 activation is increased by VEGF via Cdc42 GTPase. Experimental Biology, April 2008.

Fudalewski, T., M. Milkiewicz and T.L Haas. Upregulation of Flt1 by shear stress. Experimental Biology, April 2008.

Ispanovic, E. and T.L. Haas. Erythropoietin induces cell surface localization of MT1-MMP and activation of MMP-2. Experimental Biology, April 2008.

Doyle, J.L and T.L Haas. Mast cell mediators increase endothelial cell MMP-2 production in a beta-catenin dependent manner. Experimental Biology, April 2008.

Uchida, C., E. Gee, M. Milkiewicz and T.L. Haas. TIMP1 is increased by shear stress in skeletal muscle microvasculature. Experimental Biology, April 2008.

Gee, E., M. Milkiewicz and T.L. Haas. VEGFR2 regulates p38 but not ERK1/2 in response to shear stress. Experimental Biology, April 2007.

Doyle, J.L., M. Milkiewicz, T. Fudalewski and T.L. Haas. Critical Role of HIF1α and HIF2α in Stretch-induced Angiogenesis. Experimental Biology, April 2007.

Ispanovic, I. and T.L. Haas. Experimental Biology, April 2007.

Ispanovic, I. and T.L. Haas. Vascular Matrix and Bioengineering Workshop, Whistler, March 2007.

Kelland, C., M. Milkiewicz and T.L. Haas. Ets-1 and the mitogen activated protein kinases are modulated by nitric oxide. Experimental Biology, April 2006.

Ispanovic, I. and T.L. Haas. c-Jun regulates MMP-2 and MT1-MMP mRNA expression in endothelium. Experimental Biology, April 2006.

Ispanovic, E. and T.L. Haas. Rac and cdc42 regulate early events in angiogenesis. Exp. Clin. Cardiol. 10:44, 2005.

Doyle, J.L. and T.L. Haas. B catenin is a transcriptional co-activator of MMP-2 and MT1-MMP in endothelial cells. Exp. Clin. Cardiol. 10:48, 2005.

Gee, E. and T. L. Haas. Mitogen-activated protein kinase inhibition modulates endothelial cell network formation. Experimental Biology, April 2005.

Doyle, J.L. and T. L. Haas. Beta-Catenin upregulates promoter activities of matrix metalloproteinase-2 and membrane-type 1 metalloproteinase in endothelial cells. Experimental Biology, April 2005.

Milkiewicz, M. and T.L. Haas. Analysis of capillary gene expression demonstrates stimulus–specific activation of HIF-2α , HIF-1α and Ets-1 during in vivo angiogenesis in skeletal muscle. Experimental Biology, April 2005.

Milkiewicz, M. and T.L. Haas. Mechanical stimuli differentially modulate the expression of HIF-2α, HIF-1α and Ets-1 in rat skeletal muscle endothelial cells. Experimental Biology, April 2005.

Ispanovic, E. and T. L. Haas. Early events in angiogenesis are differentially regulated by the Rho-GTPases. Experimental Biology, April 2005.

Zadeh, F. and T.L Haas. Mechanical strain stimulates JNK-mediated expression of matrix metalloproteinase-2 in endothelium. Experimental Biology, April 2004.

Ispanovic, E. and T.L. Haas. Actin cytoskeleton depolymerization with Cytochalasin D increases Matrix Metalloproteinase-2 production by a JNK and PI3K mediated pathway. Experimental Biology, April 2004.

Ispanovic, E. and T.L. Haas. Increased MMP-2 production in response to actin cytoskeleton depolymerization is Rac/cdc42 dependent in SMECs. Cardiovasc. Path. 13:S48. 2004.

Haas, T.L., K. Sheridan, G. Dhanota, L. Tsotsos, J.L. Unthank. Rat mesenteric collateral artery remodeling in response to flow includes production and activation of matrix metalloproteinase-2. Cardiovasc. Path. 13:S164, 2004.

Zadeh, F. and T.L Haas. MMP-2 production is induced by mechanical stretch in microvascular endothelial cells. Canadian Society for Exercise Physiology conference, October 2003

Ispanovic, E. and T.L. Haas. MMP-2 production and activity is increased by actin cytoskeleton depolymerization. Canadian Society for Exercise Physiology conference, October 2003

Han, X. and T.L. Haas. Identification of transcription factors binding to regulatory region-2 within the matrix metalloproteinase-2 promoter. Experimental Biology, 2003.

Boyd, P. and T.L. Haas. Endothelial regulation of MT1-MMP in three-dimensional type I collagen. Experimental Biology, 2002.

Xiang, W. and T.L. Haas. Expression of integrins and extracellular matrix in endothelial network formation. Experimental Biology, 2002.

S. Egginton, A-L. Zhou, *T.L. Haas*, M.D. Brown, O. Hudlická. Sprouting and non-sprouting angiogenesis in skeletal muscles: role of mechanical factors. World Congress on Microcirculation, August 2001.

Goldstein, J., M.Milkiewicz, F. Hansen-Smith, M.D. Brown, O. Hudlicka, *T.L. Haas*. Shear stress and stretch induction of angiogenic mediators in rat skeletal muscle. Experimental Biology, April 2001.

Haas, *T.L.*, S.J. Davis, A.L. Zhou, S.Egginton, M.D. Brown, M.Milkiewicz, O. Hudlicka, J.A. Madri. Increased matrix metalloproteinases MMP-2 and MT1-MMP mRNA correlates with disturbances in capillary basement membrane in chronically stimulated rat skeletal muscle. Experimental Biology, April ,1999.

Haas, T.L., D.Stitelman, S.J. Davis, S.S. Apte, J.A. Madri. Transcriptional upregulation of membrane type 1 matrix metalloproteinase (MT1-MMP) in endothelium via the transcription factor Egr1. Experimental Biology, April, 1999.

Haas, T.L., S.J. Davis, D.Stitelman, D.H. Lovett, S.S. Apte, J.A. Madri. Regulation of MMP-2 and MT1-MMP mRNA in rat microvascular endothelium *in vitro.* Experimental Biology, April, 1998.

Haas, T.L., S.J. Davis and J.A. Madri. Upregulation of metalloproteases MMP-2 and MT1-MMP in rat microvascular endothelial cells grown in three-dimensional collagen gels. Vascular Biology, April, 1997.

Haas, T.L., C.S. Hahn and B.R. Duling. Increased stability of gap junction channel-forming Cx43 in cultured rat aortic vascular smooth muscle and endothelial cells. Experimental Biology, April, 1996.

10. INVITED PRESENTATIONS:

2019: Invited speaker; American Heart Association, Philadelphia, USA (Nov); "*Endothelial FoxO in Angiogenesis in Hyperlipidemic Mouse"*

2018: Invited Speaker; Muscle Health Awareness Day, York University, Toronto (May) "*Rethinking capillaries:Key determinants of metabolic health?"*

2017: Invited Speaker; 12th International Symposium on Resistance Arteries, Manchester, UK (September) *"Modulation of angiogenesis by anti-angiogenic factors"*

2017: Invited Faculty; Saltin International Graduate Course in Clinical and Exercise Physiology (Ottawa) (September): *"Mechanisms of Angiogenesis"*

2017: Seminar speaker, Dept. Physiology and Pharmacology, U Western Ontario, London (host: Don Welsh) (January): *"Sabotaging capillary growth"*

2016: Invited Faculty; Saltin International Graduate Course in Clinical and Exercise Physiology (Copenhagen) (September: *"Mechanisms of Angiogenesis"*

2016: Invited symposium speaker, Experimental Biology (April): "*Shear stress modulation of crosstalk*

between endothelial cells and skeletal myocytes"

2015: Invited speaker; "New approaches to management cardiovascular health" Symposium at York University (Nov). "Defining molecular markers of angiogenesis in the ischemic muscle of PAD patients"

2015: Invited Faculty; Saltin International Graduate Course in Clinical and Exercise Physiology (Toronto) (October): *"Exercise and Angiogenesis"*

2015: Invited Speaker, Clinical Physiology, Karolinska Institutet Hospital; Stockholm, SE (July) *"Role of FoxO1 in the regulation of skeletal muscle angiogenesis"*

2015: Seminar speaker, Cell Biology Program, Hospital for Sick Children, Toronto (host: Amira Klip) (January): *"FoxO1 regulation of angiogenesis"*

2013: CSEP President's Lecture (APNM Lecture Award), Toronto (October)*"Controlling Capillary Growth in Skeletal Muscle"*

2013: Invited Speaker International Union of Physiologists Society (IUPS) Birmingham UK (July) (declined due to scheduling conflict)

2012: Invited Speaker, Clinical Physiology, Karolinska Institutet Hospital, Stockholm, SE (Feb) *"Cellular Interactions within the Skeletal Muscle Microenvironment"*

2011: Featured Topic, Experimental Biology, Washington D.C. (April) *"Conditional deletion of FoxO1/3/4 improves recovery from hindlimb ischemia"*

2010: Invited Speaker, World Congress on Microcirculation, Paris, France (Sept) *"Physiological regulation of MMPs in endothelial cells"*

2010: Invited Speaker, ACSM Integrative Physiology of Exercise Conference, Miami, FL (Sept) *"Modulation of exercise-induced angiogenesis"*

2010: Invited Speaker, European Society of Cardiology Congress, Stockholm, Sweden (Aug) *"Contribution of stretch and stress to angiogenesis"*

2010: Invited Speaker, St. Michael's Hospital Cardiology Research Rounds, Toronto (May) *"Supply and Demand: Remodeling of Capillary Networks in Skeletal Muscle"*

2009: Speaker; Muscle Health Research Centre Colloquium (York U) *"Supply Vs. Demand: Regulation of Capillary Networks in Skeletal Muscle"*

2009: 8th Annual USADA Symposium on Anti-Doping Science, Vancouver, BC *"Molecular control of capillary growth in skeletal muscle"*

2008: Symposium Chair and Speaker, APS Integrative Biology of Exercise Conference, Hilton Head NC *"At the Interface Between Blood and Myofibers: Divergent Biomechanical Signal Pathways in Endothelial Cells"*

2008: Workshop Leader, CIHR Heart and Circulatory Institute Young Investigators Forum, Montreal *"Achieving Work-Life Balance"*

2008: Invited Speaker, CIHR Heart and Circulatory Institute Young Investigators Forum, Montreal

2008: Speaker, Southlake Regional Health Centre-York University Partnership, Newmarket, Ontario *"Strategies to stimulate capillary growth in skeletal muscle"*

2007: Samuel Lunenfeld Research Institute Seminar Series at Mount Sinai Hospital, Toronto *"Shear stress regulation of matrix metalloproteinases and their inhibitors: a role in non-invasive angiogenesis?"*

2007: McLaughlin Symposium, University of Texas Medical Branch, Galveston TX *"Shear stress induced signaling in endothelium: Regulation of matrix metalloproteinases and protease inhibitors"*

2007: ICRH Town Hall, Toronto, ON *"Strategies to stimulate capillary growth in skeletal muscle"*

2007: Vascular Matrix Biology and Bioengineering, Whistler, BC

2005: Speaker, Lawson Research Institute, London, ON "*Angiogenesis in Response to Mechanical Factors"*

2004: Speaker, APS Integrative Physiology Conference, Austin Texas "*Microvascular Remodeling in Response to Mechanical Factors"*

2004: Speaker, International Society for Heart Research American Section Conference, Cancun Mexico
2004: Speaker, CIHR Heart and Circulatory Institute Young Investigators Forum, Winnipeg Manitoba
2002: Speaker, University of Toronto, Dept. Laboratory Medicine and Pathobiology
2002: Speaker, Experimental Biology, New Orleans (ASIP mini-symposium)
2002: Speaker, ACSM Conference, Indianapolis, IA (declined due to scheduling conflict)
2001: Speaker, Research Day, University of Guelph Dept. Human Biology

11. MEDIA RELATIONS:

2018: Related to Rudnicki et al (2018) eLIFE paper:
*__YFile__ (York University's Daily News): *York-led research results in breakthrough discovery for obesity-related health issues.* *https://yfile.news.yorku.ca/2018/12/04/york-led-research-results-in-breakthrough-discovery-for-obesity-related-health-issues/*
*__Eurekalert:__ *Promising research shows blood vessel growth key to healthy fat tissue* https://www.eurekalert.org/pub_releases/2018-12/yu-prs120418.php

2018: Related to Rudnicki et al (2018) Frontiers in Physiology paper:
*__YFile (__York University's Daily News): *York U study on male and female fat tissue highlights differences in health implications* (related to Front Physiol 2018 paper)
https://yfile.news.yorku.ca/2018/10/23/york-u-study-on-male-and-female-fat-tissue-highlights-differences-in-health-implications/
*__Medical Express:__ *Study sheds light on differences between male and female fat tissue and health.* *https://medicalxpress.com/news/2018-10-differences-male-female-fat-tissue.html*
*__Eurekalert:__ https://www.eurekalert.org/pub_releases/2018-10/yu-ssl102318.php

2012: Interview with York University Radio (CHRY): "Pump you up"
Topic: Body adaptations with exercise training
2012: YFile (York University's Daily News): Chronic high-levels of stress hormone could lead to heart problems (related to 2012 PlosOne publication)
2012: Excerpt within Fall 2012 York U magazine "Fighting Diabetes", related to 2011 Am. J. Pathol. paper
2009: YFile: York U researchers identify trigger for blood vessel growth: *Findings may aid diabetic patients* (related to 2010 J Cell Physiol. Paper)

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