

ALEXANDRE F. R. STEWART

Curriculum Vitae

ADDRESS

University of Ottawa Heart Institute
John & Jennifer Ruddy Canadian Cardiovascular Genetics Centre®
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EDUCATION

- 1979-1983 Biology, University of Ottawa; Ottawa, Ontario, Canada.
B.Sc. Honors thesis: **Lipid bilayer asymmetry in excitable cell membranes.**
Adviser: Catherine Morris
- 1983-1986 Physiology, University of Ottawa; Ottawa, Ontario, Canada.
M.Sc. thesis: **The expression of myosin isoenzymes in the muscles of normal and C57Bl/6J dy^{2j}/dy^{2j} mice.** Adviser: David J. Parry
Funding: Government of Ontario Graduate Scholarship
- 1986-1991 Organismal Biology and Anatomy, University of Chicago; Chicago, IL 60637
Ph.D. dissertation: **The ventricular myosin heavy chain found in striated muscles of the chicken.** Adviser: Radovan Zak
- 1989-1991 Organismal Biology and Anatomy, University of Chicago; Chicago, IL 60637
Ph.D. breadth project: **Phylogenetic analysis of the scombroid fishes – Mapping the evolution of endothermy in fish** Adviser: Barbara Block
- 1991-1993 Post-doctoral fellow, Department of Anatomy, UCSF, San Francisco, CA 94143-0452.
Cloning and characterization of the M-CAT-binding factor: TEF-1.
Adviser: Charles P. Ordahl Funding: Muscular Dystrophy Association Fellowship
- 1993-1995 Postdoctoral fellow, Division of Cardiology and Research Service, VA Medical Center, and Cardiovascular Research Institute, UCSF, San Francisco, CA 94143
Characterization of a cardiac α_1 adrenergic/TEF-1 transcription activation pathway
Adviser: Paul C. Simpson Funding: AHA, California affiliate, Research Fellowship

LINGUISTIC ABILITIES English, French, Japanese, Mandarin Chinese (limited)

HONORS AND AWARDS

1983	Dean's Honor List, B.Sc. (Hon.) cum laude
1983	Ontario/Quebec Neuroscience Exchange student award
1984	Ontario Graduate Scholarship
1990	"Unique" Prize for "Kajiki Maguro", 4 th Midwestern Japanese Speech Contest, Consulate of Japan, Chicago, Illinois
1991-93	Muscular Dystrophy Association Neuromuscular Disease Research Fellowship (\$50,000)
1994-95	American Heart Association – California Affiliate, Postdoctoral Fellowship (\$20,000)
2006	Canada Foundation for Innovation, Leaders Opportunity Fund - Funding for research infrastructure, Bioimaging laboratory (\$ 113,359)
2006	Ontario Research Fund, Leaders Opportunity Fund - Funding for research infrastructure, Bioimaging laboratory (\$ 113,359)
2014	Basic Scientist of the Year, University of Ottawa Heart Institute

PROFESSIONAL EXPERIENCE

1995-1995	Post-graduate researcher, molecular biologist, Northern California Institute for Research and Education Inc. (NCIRE), San Francisco, CA 94143.
1995-2004	Assistant Professor of Medicine, Division of Cardiology, Department of Medicine and the Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA 15213.
1997-2004	Graduate Faculty, Biochemistry and Molecular Genetics, Interdisciplinary Biomedical Sciences Graduate Studies, School of Medicine, University of Pittsburgh
2001-2002	Project Director, University of Pittsburgh IRB #010747: "Infectious etiology of human tumors"
2001-2004	Assistant Professor (adjunct), Department of Cell Biology and Physiology, University of Pittsburgh.
2005-2011	Assistant Professor, Department of Medicine, Faculty of Medicine, University of Ottawa
2005-2011	Assistant Professor (adjunct), Department of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa
2005-present	Principal Investigator, The John and Jennifer Ruddy Canadian Cardiovascular Genetics Centre, University of Ottawa Heart Institute, Ottawa, Canada, K1Y 4W7.
2011-present	Member, Faculty of Graduate and Postdoctoral Studies, Faculty of Medicine, University of Ottawa
2011-present	Member, Graduate Collaborative Program in Human and Molecular Genetics, University of Ottawa
2011-present	Director, Affymetrix® Core Laboratory, John & Jennifer Ruddy Canadian Cardiovascular Genetics Centre, University of Ottawa Heart Institute
2011-present	Associate Professor, Department of Medicine, Faculty of Medicine, University of Ottawa
2011-present	Associate Professor (adjunct), Department of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa

TEACHING EXPERIENCE

1983-1985	Laboratory demonstrator, physiology lab to medical students, Department of Physiology, University of Ottawa; Ottawa, Ontario.
1987-1989	Teaching assistant, Animal Function (BioSci 269), Department of Organismal Biology and Anatomy, University of Chicago; Chicago, Illinois.
1996-2000	PBL Facilitator, Molecular and Human Genetics, Department of Molecular Genetics and Biochemistry, University of Pittsburgh, Pittsburgh, Pennsylvania.
1998-2001	Lecturer, Advanced Topics in Gene Expression, MSBMG 3510, Graduate Program in Biochemistry and Molecular Genetics, University of Pittsburgh
05/97-12/04	I mentored 2 undergraduate, 2 graduate students and 3 postdoctoral fellows in my laboratory at the University of Pittsburgh
09/04-12/04	Molecular Cell Biology and Biophysics I (BioE 2520), I taught the Genetics core (six 1½-hour lectures) to Bioengineering Graduate Students, University of Pittsburgh
01/07-present	Evaluator, BCH4932, Honours research student presentations, University of Ottawa
09/07-present	Lecturer, HMG8103 (formerly BCH8103), Molecular Biology of Diseases, Department of Biochemistry, Microbiology & Immunology and Graduate Program in Human Molecular Genetics
2009-present	Lecturer, BCH8104 Advanced Topics in Cell Regulation (3). University of Ottawa
2010-2010	Lecturer, <i>HSS3701</i> , « Bases biologiques des maladies »
2010-present	Lecturer, CMM5315: Cellular and Molecular Basis of Cardiovascular Function/Dysfunction.

Trainees

	<u>Name</u>	<u>Funding</u>	<u>Present position</u>
05/97-08/97	Yunuen Valenzuela, BS	Minority Undergraduate Research Scholarship to PI's R29 Award	Resident in General Surgery, University of Cincinnati Medical Center
06/97-03/99	Takahisa Ueyama, MD PhD	AHA postdoctoral fellowship	Assistant Professor of Medicine, Kurume University, Japan
01/98-12/01	Ting-Ting Zhang, BS	AHA predoctoral fellowship	Post Doctoral Fellow - Massachusetts College of Pharmacy and Health Sciences
03/99-02/00	Jin Fu, MD	Harbin Medical University scholarship, Harbin, PRC	Assistant Professor, Harbin Medical University, P. R. C.
01/00-05/00	Joseph Mazzulli, BS	Chancellor's Undergraduate Research fellowship	Postdoctoral Fellow, Massachusetts General Hospital, Harvard Medical School
03/00-10/02	Tomoji Maeda, Ph.D.	AHA Grant-in-Aid to PI	Assistant Professor, Tokyo Univ Sci, Fac Pharmaceut Sci, Dept Mol Biopharmaceut, 2641 Yamasaki, Chiba, 2788510 Japan
01/01-05/01	Christopher Lewarchik, BS	Interdisciplinary Biomedical Sciences Graduate Studies Program	Graduate Student, Department of Cell Biology and Physiology, University of Pittsburgh
01/03-06/03	Melissa Heiry, BS	Competitive Medical Research Fellowship to PI	Research Tech, Columbia University
06/03-12/04	Steven Mullett, BS	MDA Award to PI	Research Technician, University of Pittsburgh
08/03-12/04	Hsiao-Huei Chen, Ph.D.	MDA Award to PI	Assistant Professor of Medicine, Neuroscience Division, Ottawa Health Research Institute, Ottawa, Canada
05/06-08/06	Matthew Crowson	Research Fellowship	Medical student, Dartmouth College, NH
06/05-05/07	Stephen Dugan, Ph.D.	CIHR Award to PI	Scientist, Health Canada
06/06-06/07	James Alexander, BScH	CIHR Award to PI	Graduate Student, McGill University
09/06-06/07	Olivia Assogba BScH	CIHR Award to PI	

05/07-09/07	Rebecca Ruddy Samantha Ruddy Jennifer Gao Kelvin Yang Matthew Crowson	OHRI Foundation grant OHRI Foundation grant CIHR Award to PI OHRI Foundation grant OHRI Foundation grant	Biology Bachelor with Honours Thesis Student Undergraduate student, McMaster Undergraduate student, McGill Undergraduate student, McMaster Undergraduate student, Carleton
05/08-08/08	Jennifer Gao	John D. Schultz Award of the Heart & Stroke Foundation	Medical student, Dartmouth College, NH Undergraduate student, McMaster
05/08-07/08	Cindy Ge & Jeremie Harris	3 rd Place Prize (\$1500) Sanofi-Aventis Biotalent Challenge	Undergraduate student, U. of Ottawa Undergraduate students, U. of Ottawa
06/06-11/11	Allen Teng,	CIHR Award to PI OGSST Award to student	PhD awarded, Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa, Canada Undergraduate student, McGill University
01/08-12/10	Bob Sun	Winner, Science and Technology Museum Best Presentation Award (\$500), Sanofi-Aventis Biotalent Challenge (2009)	Undergraduate student, McGill University
01/10-08/11	Andrei Florin Dan	4 th Place finalist in the Sanofi Aventis Biotechnology Challenge and Winner of Summer Studentship from Partners in Research Awards of Merit (2010)	Undergraduate student, McGill University
09/08-01/10	Shelley Deeke, MSc	OHRI Foundation grant	Research Technician, Proteomics Core laboratory, Department of Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa, Canada
09/08-12/10	M. Afaque Alam, PhD	OHRI Foundation fellowship	Postdoctoral fellow, Université de Montréal
06/09-05/12	Meng Fan, M.D., PhD	OHRI Foundation fellowship	Postdoctoral fellow, UOHI
06/09-present	Naif Almontashiri	Graduate student fellowship of the Govt. of Saudi Arabia, UOHI student fellowship	Master of Science student, Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa, Canada
07/10-06/11	Nida Lerma Yap, PhD	UO and UOHI postdoctoral fellowships	Postdoctoral fellow, UOHI
09/10-08/11	Yuhao Shi, BSc	NSERC summer studentship	Undergrad. McGill University
05/11-08/11	Brian LM Cheng, BSc	NSERC grant to PI	Graduate Student, University of Chicago
09/11-present	Tiffany Ho, BScH	NSERC grant to PI	Graduate student, University of Ottawa
01/13-present	Darlene Antoine, BSc	NSERC grant to PI	Graduate student, University of Ottawa
06/11-05/14	Kianoosh Keyhanian, MD	CDA award to H Chen	Pathology Resident, University of Ottawa
05/13-08/13	Sean Zhang	NSERC summer studentship	Undergrad. McGill University
05/13-08/13	Ning (Kennedy) Hao	NSERC summer studentship	Undergrad. McMaster University
02/14-present	Ragnar Vilmundarson	CIHR grant to PI	Graduate Student, University of Ottawa

NATIONAL AND INTERNATIONAL SERVICE

2004-2005	Member, Mid-Atlantic Study Section 1B, American Heart Association
2005	Ad hoc grant reviewer, National Science Foundation (USA)
2005	Ad hoc grant reviewer, Council for the Earth and Life Sciences of NOW, Netherlands Organization for Scientific Research
2006	External Reviewer, Canadian Institutes of Health Research
2007	External Reviewer, Heart and Stroke Foundation of Canada
2007	External Reviewer, Canadian Institutes of Health Research
2008	External Reviewer, Italian Telethon Foundation

2008 External Reviewer, Canadian Liver Foundation
 2008 Reviewer, Research Fellowship Committee, Heart & Stroke Foundation of Canada
 2009 External Reviewer, Italian Telethon Foundation
 2009 External Reviewer, Academic Appointment Review, Academia Sinica, Taiwan
 2010 Reviewer, Abstracts for the Canadian Cardiovascular Congress, 2010
 2010 Reviewer, Abstracts for the Scientific Session of the American Heart Association, 2010
 2009-2011 Member, SRC GIA review committee 1a, Heart & Stroke Foundation of Canada
 2012 External Reviewer, Heart Research UK
 2012 Reviewer, Abstracts for the Canadian Cardiovascular Congress, 2012
 2012 Reviewer, Abstracts for the Scientific Session of the American Heart Association, 2012
 2012 Reviewer, Biological & Clinical Aspects of Aging (BCA), Canadian Institutes of Health
 2013 Reviewer, Abstracts for the Canadian Cardiovascular Congress, 2013
 2013-present Member, CIHR Cardiovascular Systems-B (CSB) Grant Review Committee
 2014-present Member, CIHR Haematology, Digestive Disease & Kidney (HDK) Grant Review Committee

INSTITUTIONAL SERVICE

1996 External reviewer, Competitive Medical Research Fellowship, Office of Research, University of Pittsburgh

1997-99 Ph.D. Dissertation Committee for Peter C. Scacheri, “Molecular mechanisms underlying dominantly inherited Muscular Dystrophy” Graduate Program in Biochemistry and Molecular Genetics, University of Pittsburgh

1998-2001 Ph.D. Dissertation Committee for Ting-Ting Zhang, “Regulation of KV4.3 and KV 1.5 KV potassium channel expression in cardiac myocytes and GH3 pituitary cells” Graduate Program in Pharmacology, University of Pittsburgh

1999-2001 Ph.D. Dissertation Committee for Devin Dressman, “AAV-Mediated gene transfer to models of muscular dystrophy: Insights into assembly of multi-subunit membrane proteins.” Graduate Program in Biochemistry and Molecular Genetics, University of Pittsburgh

1999-2003 Curriculum Committee, Graduate Program in Biochemistry and Molecular Genetics

2000-2000 Advisor to Joseph Mazzulli, honors’ thesis student, recipient of Chancellor’s Undergraduate Research Fellowship, University of Pittsburgh

2000-2003 Faculty Steering Committee, University of Pittsburgh Annual Festival of Science

2001-2001 Advisor to Christopher Lewarchik, rotating graduate student, Interdisciplinary Biomedical Sciences Graduate Studies Program, University of Pittsburgh

2005-present Ad hoc reviewer for IACUC scientific merit, University of Ottawa

2006 Ph.D. Dissertation Committee for Kristi Adamo, “Peroxisome-Proliferator-Activated Receptor γ (PPAR γ) Pathway and Gene-Environment Interaction in Obesity and Type 2

Diabetes” Faculty of Graduate and Postdoctoral Studies, Faculty of Medicine, University of Ottawa

2006-present Capital Equipment Sub-Committee, UOHI
2006-2008 Ph.D. thesis advisory committee for Joanna Renwick, University of Ottawa
2006-2008 M.Sc. thesis advisory committee for Shawn Hopewell, University of Ottawa
2006-2009 Ph.D. thesis advisory committee for Tammy Porter, University of Ottawa
2006-2011 Ph.D. supervisor and thesis advisor, Allen Teng, University of Ottawa
2008-2010 M.Sc. thesis advisory committee for Simran Bhatia
2008-2010 M.Sc. thesis co-supervisor, Shelley Deeke, University of Ottawa
2008-2010 M.Sc. thesis advisory committee for Sarah Labib
2008-2010 M.Sc. thesis advisory committee for Mariana Gomez-Smith
2009-2012 M.Sc. thesis advisor, Naif Almontashiri, University of Ottawa
2008-2012 Ph.D. thesis advisory committee for Wael Maharsy
2009-2011 M.Sc. thesis advisory committee for Seham Rabaa
2009-2012 M.Sc. thesis advisory committee for Anastassia Voronova
2009-2012 M.Sc. thesis advisory committee for Rami Darwich
2010 M.Sc. thesis examiner for Emilie Boudreau
2010-present Biosafety Committee, UOHI
2011-present Scientific Advisory Committee, UOHI
2011 M.Sc. thesis examiner for Dominique Yelle
2011 M.Sc. thesis examiner for Seham Rabaa
2011-present M.Sc. thesis advisor for Tiffany Ho, University of Ottawa
2011-2014 M.Sc. thesis co-supervisor for Kianoosh Kayhanian, University of Ottawa
2012 M.Sc. thesis Defense Chairperson, Mark Campbell
2012 M.Sc. thesis Defense Chairperson, Aimee Laporte
2012-2013 OHIRC Research Committee, UOHI
2012-present Ph.D. thesis advisor for Naif Almontashiri, University of Ottawa
2013-present M.Sc. thesis advisor for Darlène Antoine, University of Ottawa
2013 M.Sc. thesis examiner for My-Anh Nguyen, University of Ottawa
2013-present M.Sc. thesis advisory committee, Fawaz Saleh, University of Ottawa
2014-present Ph.D. thesis advisor for Ragnar Oli Vilmundarson, University of Ottawa

PAST FUNDING

American Heart Association, PA affiliate, Grant-in-Aid	PI	\$35,000	01/07/96-06/30/97
Characterization of a Novel TEF-1-related Gene in the Induction of the Fetal Program in Cardiac Myocytes			
National Heart, Lung and Blood Institute, R29 HL57211	PI	\$280,000	07/01/97-06/30/2001
Transcription Regulation in Cardiac Hypertrophy			
American Heart Association, Grant-in-Aid, 0050282N	PI	\$214, 500	01/01/2000-12/31/2002
Tissue-specific Cofactors of TEF-1			
Competitive Medical Research Award, UPMC	PI	\$25,000	07/01/2002-06/30/2003
Molecular Mechanisms of Conduction Disease			
Muscular Dystrophy Association Research Grant	PI	\$202,248	01/01/2003-12/31/2004
Molecular Mechanisms of Myogenesis			

National Heart, Lung and Blood Institute, R01 HL55312 Regulation of Cardiac Ion Channel Expression	Co-PI	\$46,105	07/01/2001-06/30/2005 PI: Edwin Levitan, Ph.D.
National Heart, Lung and Blood Institute, R01 HL77398 Genetic Modulators of Sudden Death	Co-PI	\$46,105	07/01/2004-06/30/2009 PI: Barry London, M.D, Ph.D.
Canada Foundation for Innovation Leaders Opportunity Fund - Funding for research infrastructure alone Bioimaging laboratory	PI	\$113,359	01/09/2005-31/08/2006
Ontario Research Fund Leaders Opportunity Fund - Funding for research infrastructure alone Bioimaging laboratory	PI	\$113,359	01/09/2005-31/08/2006
Canadian Institutes of Health Research Transcriptional Effectors of Cardiac Ischemia MOP77682	PI	\$447,721	10/01/2005-09/30/2010
Heart & Stroke Foundation of Ontario Pathophysiologic study of the role of AMPK in cardiac arrhythmias, conduction system development, and metabolic cardiomyopathy	Co-applicant	\$234,525	07/01/2006-06/30/2009 PI: Michael Gollob
Canadian Institutes of Health Research Genetic basis of salt-sensitive hypertension in humans	Co-applicant	\$618,000	04/2008-03/2011 PI: Frédérique Tesson, Frans Leenen
Canadian Institutes of Health Research Genome-wide Scan to Identify Coronary Artery Disease Genes	Co-applicant	\$623,110	04/2007-03/2012 PI: Robert Roberts
Canadian Institutes of Health Research Reassessment of Anti-platelet therapy using an InDIvidualized Strategy based on Combined platelet REactivity and genetic EvaluatiON: The RAPID SCREEN Study	Co-applicant	\$76,244	06/2011-05/2012 PI: Derek So
Canadian Diabetes Association Neural control of metabolism	Co-applicant	\$250,000	06/2011-05/2014 PI: Hsiao-Huei Chen

CURRENT FUNDING

Natural Sciences and Engineering Research Council of Canada Control of skeletal muscle differentiation and regeneration	PI	\$135,000	04/2010-03/2015
Canadian Institutes of Health Research Translational derepression in ischemia	PI	\$372,000	04/2012-03/2015

Canadian Institutes of Health Research Co-applicant \$279,000 09/2012-08/2015
Statistical methods of estimating genetic associations of low detectability
PI: David Bickel

PENDING APPLICATIONS

Canadian Institutes of Health Research PI \$160,000 07/2014-06/2019
A novel transcriptional modulator of innate immunity that controls
cholesterol homeostasis and the risk of coronary atherosclerosis

INVENTIONS

“DNA micro-array for the high throughput screening of human tumors” University of Pittsburgh rights released to inventor by the Office of Technology Management, University of Pittsburgh.

“A transgenic model of atrial arrhythmias” rights released to inventor by the Office of Technology Management, University of Pittsburgh.

“A transcriptional cofactor that promotes myogenic stem cell differentiation” rights released to inventor by the Office of Technology Management, University of Pittsburgh.

“Serum interferon alpha 21 to predict coronary artery disease” Provisional patent filed with the US patent office. Inventors: Naif Almontashiri, Alexandre Stewart, Robert Roberts

“Methods for detecting and treating cardiovascular diseases” International patent filed 24 August, 2012 (PCT/US12/52199) Inventors: Alexandre F. R. Stewart, Naif A. Almontashiri, Robert Roberts

AFFILIATIONS

American Heart Association Basic Science Council
American Society for Human Genetics
Canadian Cardiovascular Society

REFEREE FOR JOURNALS (# OF PAPERS REVIEWED)

American Heart Journal (3), American Journal of Hypertension (3), American Journal of Physiology: Heart and Circulatory Physiology (3), Arteriosclerosis, Thrombosis, and Vascular Biology (3), BMC Immunology (1), BMC Medical Genomics (1), BMC Medical Genetics (1), BMJ Open (1), Breast Cancer Research and Treatment (1), British Journal of Cancer (1), Canadian Journal of Cardiology (1), Cardiology Research and Practice (1), Circulation (3), Circulation Cardiovascular Genetics (5), Circulation Research (2), Clinical Biochemistry (1), Clinical and Investigative Medicine (1), European Journal of Clinical Investigation (1), Gene (2), Genetic Testing and Molecular Biomarkers (1), Genetics (1), Human Molecular Genetics (1), International Journal of Developmental Biology (1), Journal of the American College of Cardiology (9), Journal of Applied Physiology (1), Journal of Biological Chemistry (2), Journal of Cardiac Failure (4), Journal of Cardiovascular Medicine (1), Journal of Clinical Investigation (2), Journal of Pharmacology and Experimental Therapeutics (1), Journal of Physical Chemistry (1), Molecular

and Cellular Biochemistry (1), Molecular Oncology (1), Molecular Pharmacology (1), Nucleic Acids Research (1), PLoS One (2), Thrombosis Journal (1).

INVITED SPEAKER

1. Transcriptional Enhancer Factor-1 (TEF-1) Homologues Are Muscle-CAT (M-CAT) Binding Factors. Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan ROC, August 6, 1992.
2. TEF-1 Isoforms Are Principal Components of a MyoD-Independent Program of Cardiac and Skeletal Muscle Gene Transcription Activation. University of Ottawa Heart Institute, Ottawa, Canada, January 6, 1993.
3. Transcriptional Activators of Cardiac Muscle Genes. Graduate Program in Exercise and Health Science, York University, Toronto, Canada, March 29, 1993.
4. Cardiac Genes: What Turns 'em On? Department of Anatomy, University of Ottawa, Ottawa, Canada, March 30, 1993.
5. Transcription Regulation and Signal Transduction in Cardiac Muscle, University of Ottawa Heart Institute, Ottawa, Canada, December 15, 1993.
6. Transcriptional Enhancer Factor-1 and Regulation of Cardiac Genes, Department of Cell Biology and Anatomy, Medical University of South Carolina, Charleston, South Carolina, January 12, 1994.
7. TEF-1 Isoforms: Activators and Repressors of Cardiac Genes, Montreal Heart Institute and Department of Biochemistry, University of Montreal, Montreal, Canada, January 11 & 12, 1995.
8. TEF-1 Isoforms: Activators and Repressors of Cardiac Genes, University of Pittsburgh Heart Institute, Pittsburgh, Pennsylvania, January 16, 1995.
9. “Régulation des gènes du muscle cardiaque par les isoformes du ‘Transcriptional Enhancer Factor-1’” [Regulation of cardiac muscle genes by TEF-1 isoforms](in French), Department of Anatomy, University of Montreal, Montreal, Canada, February 17, 1995.
10. The TEF-1 Multigene Family. Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan ROC, February 18, 1997.
11. The TEF-1 Multigene Family: Transcriptional Activators in Cardiac Hypertrophy. Department of Microbiology, Taiwan National University, Taipei, Taiwan ROC, February 18, 1997.
12. “TEF-1 転写因子と心筋肥大” [TEF-1 Family Transcription Factors and Cardiac Hypertrophy] (in Japanese). Kurume Cardio-Vascular Conference, sponsored by Tanabe Seiyaku Co., Ltd., Kurume, Japan, May 11, 1998.
13. “TEF-1 転写因子と心筋肥大” [TEF-1 Transcription Factors and Myocardial Hypertrophy] (in Japanese). Sangyo Medical College, Kitakyushu, Japan, May 12, 1998.
14. Transcription modulated by α -1 adrenergic signaling in the myocardium. Department of Pharmacology, University of Pittsburgh, February 26, 1999.
15. TEF-1 and its Vestigial-like Cofactors. Department of Molecular Genetics and Biochemistry, University of Pittsburgh, February 29, 2000.

16. Viral Sequences in Human Breast and Prostate Cancer: The Mouse Connection, Department of Infectious Diseases & Microbiology, University of Pittsburgh, September 26, 2000.
17. Mouse mammary tumor virus in human tumors, Diagnostics Division, Abbott Laboratories, Abbott Park, IL, February 9, 2001.
18. Cardiac conduction defect and diastolic dysfunction in a transgenic mouse. Department of Cell Biology and Physiology, University of Pittsburgh, January 16, 2002.
19. Screening for MMTV in Humans? Neogenscreening, Bridgeville, PA, November 13, 2002.
20. Cardiac Conduction Defects in RTEF-1 Transgenic Mice. Department of Physiology, Thomas Jefferson University, Philadelphia, Pennsylvania, February 27, 2003.
21. Cardiac Conduction Defects in RTEF-1 Transgenic Mice. Department of Biomedical Sciences, Florida Atlantic University, Boca Raton, Florida, March 21, 2003.
22. Signaling and transcriptional mechanisms of cardiac conduction disease. Department of Life Sciences, National Tsing Hua University, Hsinchu, Taiwan, April 17, 2003.
23. Can we improve stem cell therapy of skeletal and cardiac muscle diseases? Department of Life Sciences, National Tsing Hua University, Hsinchu, Taiwan, April 18, 2003.
24. Identification of protein phosphatase 1 β as a novel therapeutic target of defective cardiac conduction. Taiwan Genome Science, Taipei, Taiwan, April 28, 2003.
25. Defects in Cardiac Conduction and Diastole in RTEF-1 Transgenic Mice. Department of Cellular and Molecular Medicine, University of Ottawa, June 23, 2003.
26. Dephosphorylation of Connexins Associated with Impaired Conduction and Atrial Arrhythmias, Gordon Research Conference on "Cardiac Arrhythmia Mechanisms", Colby Sawyer, New Hampshire, August 10-13, 2003.
27. Tissue-specific gene expression regulated by an ubiquitous transcription factor. Department of Biological Sciences, University of Alberta, April 16, 2004.
28. Transgenic Mice with a Constitutively Activated Cardiac Ischemia Pathway Display Defective Conduction, Atrial Arrhythmias and Diastolic Dysfunction. University of Ottawa Heart Institute, September 21, 2004.
29. Transgenic mice with a constitutively activated cardiac ischemia pathway display defective conduction, atrial arrhythmias and diastolic dysfunction and reveal a novel target for therapy. Novartis Institute of Biomedical Research, Inc., November 11, 2004.
30. Transgenic mice with a constitutively activated cardiac ischemia pathway display defective conduction, atrial arrhythmias and diastolic dysfunction. University of Medicine and Dentistry of New Jersey, December 22, 2004.
31. Gene regulation in muscle: Focus on TEF-1 transcription factors. Department of Biochemistry, Microbiology and Immunology, University of Ottawa, June 21, 2005.
32. Whole genome scan for genes associated with coronary artery disease. BioNorth 2006 Ottawa, Ontario Canada, November 15th, 2006.
33. The Ottawa Heart Genomics Study: A genome-wide scan to identify gene associated with coronary artery disease using 500,000 markers. Ottawa Health Research Institute, December 4, 2006.
34. Ruddy Genetics Centre Tour, "Leaders at Heart" Education Committee presentation. The University of Ottawa Heart Institute, January 23, 2007

35. Ottawa Heart Genomics Study: Genome-Wide scanning for coronary artery disease genes. Affymetrix® Sponsored talk, 12th Human Genome Organization (HUGO) meeting, Montreal, May 21-24, 2007.
36. The Ottawa Heart Genomics Study: Searching for genes associated with coronary artery disease using high density SNP microarrays, Montreal Heart Institute, November 30, 2007.
37. Transcription regulation in cardiac and skeletal muscle: What can a fruit fly teach us? University of Ottawa Heart Institute Research Conference, December 3, 2007.
38. Transcription regulation in striated muscles: drawing inspiration from fruit flies. Department of Cellular & Molecular Medicine, University of Ottawa, December 2, 2008.
39. Identification d'un facteur de transcription fortement exprimé dans le muscle cardiaque qui coactive l'expression du VEGF, 77^e Congrès de l'Acfas à l'Université d'Ottawa, 12 Mai, 2009.
40. Identification of the mitochondrial AAA protease SPG7 as a novel risk locus for coronary artery disease by genome-wide association that is not predicted by imputation. Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, June 23rd, 2009.
41. Gene Therapy in Heart Failure. Molecular Function and Imaging Symposium, Imaging Heart Failure, Westin Hotel Ottawa, Canada, June 18-19, 2010.
42. The Ottawa Axiom Experience – Better is Better. 8th Annual Affymetrix User Group Meeting, Hospital for Sick Children, Toronto, Canada, November 30, 2010.
43. « Les maladies du cœur, ça s'hérite ? », cycle de conférences publiques gratuites « Le Cœur dans tous ses états » offert sous la Section des Sciences de l'Institut Grand-ducal, la Société des Sciences Médicales du Grand-Duché du Luxembourg et la Société Luxembourgeoise de Cardiologie, Février 18, 2011, Luxembourg.
44. “GWAS of Coronary Artery Disease and the Mechanisms of the Risk Locus at 9p21?” Plenary lecture of the Queenstown Heart Meeting, Rydges Hotel, Queenstown, New Zealand, 28th-29th August 2011.
45. “Breast cancer incidence spikes and mouse population explosions in New South Wales” Plenary lecture, International conference on Viruses and Breast Cancer, Palazzo BLU, Pisa, Italy, April 2-4, 2012.
46. “Progress Report at 6 years: Discovery of Genetic Variants contributing to the Risk of Coronary Artery Disease” invited lecture, DNA Genotek, Ottawa, Canada, May 23, 2012.
47. “Risk prediction for primary and secondary prevention” invited lecture for symposium “Clinically relevant genetics for cardiovascular disease” sponsored by the California Affiliate of the American College of Cardiology, Newport Beach, California, October 27, 2012.
48. “PCSK9 and the risk of myocardial infarction” University of Ottawa Heart Institute noontime seminar, a CME accredited activity. Ottawa, Ontario, December 10, 2012.
49. “How knowledge of genetic risk can help predict heart disease for primary and secondary prevention” Invited lecture for Trillium Health Partners Cardiology Day, Toronto, Ontario, April 27, 2013.
50. “From GWAS to Gee-Whiz: A novel modulator of innate immunity affects lipid metabolism and cholesterol homeostasis” University of Ottawa Heart Institute noontime seminar, a CME accredited activity. Ottawa, Ontario, November 04, 2013.
51. “An SPG7 variant tied to CAD Risk” University of Ottawa Heart Institute Basic Scientist of the Year talk, Ottawa, Ontario, May 9, 2014.

PUBLICATIONS

1. Kamel-Reid S, Kennedy JM, Shimizu N, **Stewart A**, Vrbová G and R Zak. (1989) Regulation of expression of avian slow myosin heavy-chain isoforms. *Biochemical Journal* **260**, 449-454.
2. **Stewart AFR**, JM Kennedy, E Bandman, Zak R. (1989) A myosin isoform repressed in hypertrophied ALD muscle of the chicken reappears during regeneration following cold-injury. *Developmental Biology* **135**, 367-375.
3. Zak R, Camoretti-Mercado B, Gupta M, Jakovcic S, Shimizu N and **Stewart A**. (1990) Myofibrillar proteins in the developing heart. *Ann. N. Y. Acad. Sci.*, **588**, 216-224.
4. Gupta MP, Gupta M, **Stewart A**, Zak R. (1991) Activation of alpha-myosin heavy chain gene expression by cAMP in cultured fetal rat heart myocytes. *Biochemical Biophysical Research Communications* **174**, 1196-1203.
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