

Сенат Универзитета у Крагујевцу, у складу са чланом 77. Закона о високом образовању („Сл. гласник РС“ бр. 88/2017, 73/2018, 27/2018 – др. закон, 67/2019, 6/2020 – др. закон, 11/2021 – аутентично тумачење, 67/2021 и 67/21 – др. закон), на основу чланова 97. став 1. тачка 30. и 154. Статута Универзитета у Крагујевцу (број: П-01-483 од 06.06.2022. године – пречишћен текст), са изменама и допунама број: П-01-133/4 од 26.02.2021. године, члана 4. ставови 4. и 5. Правилника о условима и начину ангажовања гостујућег професора на Универзитету у Крагујевцу (број: Ш-01-262/8 од 28.03.2019. године), као и чланова 37. и 42. Пословника о раду Сената Универзитета у Крагујевцу (број Ш-01-512 од 15.06.2022. године – пречишћен текст), на седници одржаној 30. јуна 2022. године, донео је

## О Д Л У К У

**I ДАЈЕ СЕ САГЛАСНОСТ** за ангажовање и избор **проф. др Лори Киришенбаум**, водећег светског стручњака из области Кардиоваскуларне физиологије, у звање гостујући професор на Факултету медицинских наука у Крагујевцу.

**II** Ову Одлуку доставити Факултету медицинских наука у Крагујевцу на даље поступање, односно потписивање уговора о ангажовању Именованог у ставу I ове Одлуке којим ће уредити међусобна права и обавезе.

### **Образложење**

*Правни основ за доношење ове Одлуке садржан је члану 77. Закона о високом образовању којим је уређено да високошколска установа може без расписивања конкурса да ангажује наставника из друге самосталне високошколске установе ван територије Републике, у звању гостујућег професора, да се права и обавезе лица изабраног у звање гостујући професор уређују уговором о ангажовању за извођење наставе, под условима и на начин прописаним општим актом високошколске установе, а да се начин ангажовања гостујућег професора уређује се општим актом самосталне високошколске установе, члану 97. став 1. тачка 30. Статута Универзитета у Крагујевцу којим је утврђена надлежност Сената да даје сагласност на ангажовање и избор наставника у звање гостујући професор, члану 154. Статута којим је уређен избор у звање гостујући професор и његово ангажовање, члану 4. ставови 4. и 5. Правилника о условима и начину ангажовања гостујућег професора на Универзитету у Крагујевцу којима је прописано да на Одлуку о избору у звање гостујућег професора коју доноси наставно-научно веће или други надлежни стручни орган факултета, сагласност даје Сенат, као и члановима 37. и 42. Пословника о раду Сената Универзитета у Крагујевцу који уређују врсту и начин доношења аката Сената.*

*Наставно-научно веће Факултета медицинских наука у Крагујевцу, на седници одржаној 22.06.2022. године, донело је Одлуку, број: 01-7218/17-1, којом се проф. др Лори Киришенбаум, водећи светски стручњак из области Кардиоваскуларне физиологије, бира у звање гостујући професор на Факултету медицинских наука у Крагујевцу.*

*Сенат Универзитета у Крагујевцу је, разматрао Одлуку Наставно-научног већа Факултета медицинских наука у Крагујевцу, и у складу са чланом 4. Правилника о условима и начину ангажовања гостујућег професора на Универзитету у Крагујевцу, једногласно донео Одлуку као у диспозитиву.*

## **СЕНАТ УНИВЕРЗИТЕТА У КРАГУЈЕВЦУ**

**Број: Ш-01-533/34**

**Дана: 30. јуна 2022. године**

**К Р А Г У Ј Е В А Ц**

**ПРЕДСЕДНИК СЕНАТА  
УНИВЕРЗИТЕТА У КРАГУЈЕВЦУ**

**Проф. др Ненад Филиповић, ректор**

Доставити:

- Факултету медицинских наука.

## CURRICULUM VITAE

**Name:** **LORRIE ALLAN KIRSHENBAUM**

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**Citizenship:** Canadian

### **Academic Qualifications and Employment:**

Director	Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre (2017 – present)
Head	Division of Cardiovascular Science and Disease, Department of Physiology and Pathophysiology Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (2017 – present)
Director	Research Development, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (2008 – present)
Professor	Department of Physiology and Pathophysiology, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (2004 – present)
Professor	Department of Pharmacology and Therapeutics, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (2004 – present)
Director (Acting)	Basic Medical Research, St. Boniface Hospital Research Centre (02/2005 – 09/2005)

Associate Professor	Department of Physiology and Pathophysiology, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (1998 –2004)
Assistant Professor	Department of Physiology and Pathophysiology, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba (1995 – 1998)
Post-Doctoral Research Fellow	Department of Medicine, Section of Cardiology, Baylor College of Medicine, Houston, Texas (1992 – 1995)
Ph.D.	Department of Physiology, Faculty of Medicine University of Manitoba (1992)
M.Sc.	Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba (1988)
B.Sc. (Hons.)	Department of Microbiology, Faculty of Science, University of Manitoba (1986)

### **Academic Honours and Awards**

1988	Canadian Society for Clinical Investigation Student Research Award by the Royal College of Physicians and Surgeons of Canada, Ottawa, Canada
1990	Medical Research Council of Canada Research Student Fellowship
1992	Heart and Stroke Foundation of Canada, Post-Doctoral Research Fellowship
1992	Heart and Stroke Foundation of Canada, Top Ranked Applicant Award
1993	St. Boniface General Hospital Research Foundation Inc. Award, in Cardiovascular Biology, Winnipeg, Canada
1993	American Heart Association Young Investigator Trainee Award, Pacific Grove, USA
1993	American Federation for Clinical Research Trainee Investigator Award, Washington, USA
1995	American Heart Association Young Investigator Trainee Award, New Orleans, USA
1995	Baylor College of Medicine, Outstanding Basic Sciences Research Award, Houston, USA
1992	Medical Research Council of Canada Post-Doctoral Research Fellowship Award
1995	Up John Pharmaceutical Company Young Investigator Award, For Excellence in Cardiovascular Research Presented by the International Society for Heart Research, Orange Beach, USA
1995	Manitoba Health Research Council Scholarship
1996	Heart and Stroke Foundation of Canada Scholarship Award

- 1997 Canadian Cardiovascular Society Young Investigator Award, For Excellence in Cardiovascular Research
- 1998 University of Manitoba Merit Award for Outstanding Achievement in Research and Teaching, University of Manitoba, Winnipeg, Canada
- 2000 Canadian Society for Clinical Investigation, Joe Doupe Young Investigator Award, Ottawa, Canada
- 2000 Canadian Cardiovascular Society, Dr. R.E. Beamish Award for Excellence in Cardiovascular Research
- 2002 Ken Hughes Young Investigator Distinguished Medical Research Award, Faculty of Medicine, University of Manitoba, Winnipeg, Canada
- 2003 Rh Institute Foundation Award for Excellence in Health Research - Clinical
- 2001 Canada Research Chair Tier II in Molecular Cardiology
- 2003 Heart and Stroke Foundation of Manitoba, Dr. R.E. Beamish Memorial Award for Highest Ranked Operating Grant
- 2006 Canada Research Chair Tier II in Molecular Cardiology
- 2008 Distinguished Chemist Award, Chemical Institute of Canada
- 2009 University of Manitoba Merit Award for Research Excellence, Faculty of Medicine, Winnipeg, Canada
- 2009 Fellow of American Heart Association
- 2010 Fellow of the International Society for Heart Research, Kyoto, Japan
- 2010 Heart and Stroke Foundation, Dr. R.E. Beamish Memorial Award for Highest Ranked Operating Grant
- 2010 Fellow of International Academy of Cardiovascular Sciences
- 2011 Canada Research Chair Tier I in Molecular Cardiology
- 2011 Aab Cardiovascular Research Award, University of Rochester Medical Center, Rochester, New York
- 2011 Fellow of Functional Genomics and Translational Biology, American Heart Association
- 2012 Fellowship of Canadian Academy of Health Sciences, Ottawa, Canada
- 2012 Dr. R.E. Beamish Memorial Award, Heart and Stroke Foundation of Manitoba, Winnipeg, Canada
- 2013 Senator Ronald Duhamel Innovation Award St. Boniface Hospital, Winnipeg, Canada
- 2016 Distinguished Lectureship Award University of Guelph, Guelph, Canada
- 2018 Canada Research Chair Tier I in Molecular Cardiology
- 2018 Howard Morgan Award for Distinguished Achievements in Cardiovascular Research, International Academy of Cardiovascular Sciences, Smolenice, Slovak Republic
- 2018 Norman Alpert Award for Established Investigators in Cardiovascular Sciences, International Academy of Cardiovascular Sciences, Havana, Cuba
- 2018 Lifetime Achievement Award in Cardiovascular Sciences, Cuban Society of Cardiology, International Academy of Cardiovascular Sciences, Havana, Cuba
- 2018 Distinguished Alumni Professional Achievement Award University of Manitoba, Winnipeg, Canada
- 2019 James T. Willerson Distinguished Lectureship Texas Heart Institute, Houston, USA

2019	Bohuslav Ostadal Award for Excellence in Cardiovascular Sciences, International Academy of Cardiovascular Sciences, Belgrade, Serbia
2020	Suresh K. Gupta Oration Lectureship Award, International Conference of Cardiovascular Sciences, New Delhi, India
2020	Canadian Cardiovascular Society, Research Achievement Award, Ottawa, Canada
2021	Naranjan Dhalla Honorary Lectureship Award, International Academy of Cardiovascular Sciences (Banja Luka, Bosnia and Herzegovina)

<b><u>TOTAL RESEARCH FUNDING TO DATE</u></b>	<b><u>\$20,472,863</u></b>
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<b><u>Current Funding and External Grant Support</u></b>	<b><u>Per Annum</u></b>
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1.	Canada Research Chair I in Molecular Cardiology 04/2018 – 03/2025	\$200,000
2.	Canadian Institutes for Health Research <i>Regulation of Programmed Cell Death in the Heart</i> 07/2016 – 06/2023 (Foundation Grant)	\$469,474
3.	Corporate and other funding 2021	\$45,000

<b><u>Previous Funding and External Grant Support</u></b>	<b><u>Total Amount Awarded</u></b>
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1.	Corporate and other funding 2020	\$60,000
2.	University of Manitoba Graduate Fellowship (UMGF) Faculty of Graduate Studies, University of Manitoba Metabolic Signaling and Cell Death Regulation in the Heart 09/2020 – 08/2021 (MSc – M. Love)	\$14,000
3.	Canadian Institute of Health Research COVID <i>Integrated multi-omic delineation of SARS-CoV-2- dysregulated cellular processes</i> 06/2020 – 05/2021 (Operating Co-Applicant, Principal Investigator Dr. Kevin Coombs)	\$51,087
4.	Graduate Enhancement of Tri-Council Stipends (GETS) Faculty of Graduate Studies, University of Manitoba Metabolic Signaling and Cell Death Regulation in the Heart 09/2019 – 08/2020 (MSc – M. Love)	\$17,850
5.	Corporate, St. Boniface Hospital Foundation and other funding (2019)	\$150,000
6.	Corporate, St. Boniface Hospital Foundation and other funding (2018)	\$45,000
7.	Heart and Stroke Foundation of Canada <i>Mechanisms of P53 Mediated Cell Death in the Heart</i> 07/2017 - 06/2020 (Operating)	\$300,000

8.	Graduate Enhancement of Tri-Council Stipends (GETS) Faculty of Graduate Studies, University of Manitoba <i>Mechanisms of P53 Mediated Cell Death in the Heart</i> 09/2018 – 08/2019 ( <i>MSc – Z. Roveimiab</i> )	\$17,850
9.	Corporate, St. Boniface Hospital Foundation and other funding (2017)	\$190,000
10.	Canadian Institute of Health Research Targeting Cell Death Signaling Pathways in the heart 04/2017 – 04/2021 (Fellowship, I. Rabinovich-Nikitin)	\$180,000
11.	Graduate Enhancement of Tri-Council Stipends (GETS) Faculty of Graduate Studies, University of Manitoba 09/2016 – 08/2018 ( <i>MSc – M. Guberman</i> )	\$17,850
12.	Corporate and other funding (2016)	\$40,000
13.	Canadian Institutes for Health Research <i>Targeting Cell Death Signaling Pathways in the Heart</i> 07/2015 – 06/2020 ( <i>Operating</i> )	\$569,850
14.	Corporate and other funding (2015)	\$60,000
15.	Heart and Stroke Foundation of Canada <i>Mechanisms of P53 Mediated Cell Death in the Heart</i> 07/2014 – 06/2017 ( <i>Operating</i> )	\$189,225
16.	Corporate and other funding (2014)	\$40,000
17.	Canadian Institutes for Health Research <i>Molecular Determinants of Cell Death in the Heart</i> 10/2013 – 09/2018 ( <i>Operating</i> )	\$711,050
18.	Corporate and other funding (2012)	\$28,228
19.	Institute of Cardiovascular Sciences Studentship 06/2013 – 03/2014 ( <i>Y. Wang</i> )	\$10,000
20.	Manitoba Health Research Council 07/2012 – 06/2015 ( <i>MHRC Fellowship – A. Biala</i> )	\$73,500
21.	IMPACT/CIHR 07/2012 – 06/2015 ( <i>IMPACT Fellowship – A. Biala</i> )	\$30,000
22.	Heart and Stroke Foundation of Canada 07/2012 – 06/2014 ( <i>Operating</i> )	\$100,000
23.	Heart and Stroke Foundation of Canada 07/2012 – 06/2013 ( <i>Beamish Award</i> )	\$10,000
24.	Pharmaceutical and other agency's educational grant (2011)	\$22,108
25.	Canada Research Chair I in Molecular Cardiology 04/2011– 03/2018	\$1,400,000

26.	Canadian Institutes for Health Research <i>Molecular Regulation of E2F-1 Dependent Gene Transcription and Cell Death Signaling</i> 10/2011 – 09/2016 ( <i>Operating</i> )	\$931,550
27.	Manitoba Health Research Council 10/2011 – 07/2012 ( <i>CIHR-RPP Fellowship – J. Gordon</i> )	\$45,000
28.	IMPACT/CIHR 10/2011 – 07/2012 ( <i>IMPACT Fellowship – J. Gordon</i> )	\$15,000
29.	Canada Foundation for Innovation 10/2011 ( <i>Infrastructure Equipment Grant</i> )	\$316,000
30.	Heart and Stroke Foundation of Canada 07/2011 – 06/2013 ( <i>Operating</i> )	\$150,000
31.	Pharmaceutical and other agencies – Education and Research (2010)	\$20,000
32.	Canada Summer Jobs (CSJ) – ( <i>N. Garcia</i> ) (2010)	\$1,380
33.	Canadian Institutes for Health Research Cytoprotective role of nuclear factor kappa beta in heart 04/2010 – 06/2015 ( <i>Operating</i> )	\$747,500
34.	Heart and Stroke Foundation of Canada 07/2010 – 06/2012 ( <i>Operating</i> )	\$100,000
35.	Heart and Stroke Foundation of Canada 07/2010 – 06/2011 ( <i>Beamish Award</i> )	\$10,000
36.	Manitoba Health Research Council 07/2010 – 06/2012 ( <i>MHRC Studentship – W. Mughal</i> )	\$35,700
37.	Integrated and Mentored Pulmonary and Cardiovascular Training/CIHR 01/2010 – 10/2011 ( <i>IMPACT Fellowship – J. Gordon</i> )	\$35,000
38.	Manitoba Health Research Council 07/2009 – 06/2011 ( <i>MHRC Fellowship – R. Dhingra</i> )	\$76,500
39.	Corporate and other funding (2008)	\$25,000
40.	Canadian Institutes for Health Research 10/2008 – 09/2013 ( <i>Operating</i> )	\$726,330
41.	Heart and Stroke Foundation of Canada 07/2008 – 06/2011 ( <i>Operating</i> )	\$129,000
42.	Corporate and other funding (2007)	\$69,000
43.	Canadian Institutes for Health Research 10/2006 – 09/2011 ( <i>Operating</i> )	\$582,280
44.	Canada Research Chair II in Molecular Cardiology 04/2006 – 03/2011	\$500,000
45.	Canadian Institutes for Health Research 04/2005 – 03/2010 ( <i>Operating</i> )	\$548,865

46.	Canadian Institutes for Health Research Heart Failure Network 2005 – 2010 ( <i>Operating</i> )	\$100,000
47.	Integrated and Mentored Pulmonary and Cardiovascular Training/CIHR 06/2004 – 06/2009 ( <i>IMPACT Fellowship – A. Kalik</i> )	\$90,000
48.	Integrated and Mentored Pulmonary and Cardiovascular Training/CIHR 06/2004 – 06/2007 ( <i>IMPACT Fellowship – D. Baetz</i> )	\$120,000
49.	Heart and Stroke Foundation of Canada 07/2003 – 06/2004 ( <i>Beamish Award</i> )	\$10,000
50.	Canadian Institutes of Health Research- Genes and the Environment Platform II 03/2003 – 06/2007 ( <i>Core grant</i> )	\$105,992
51.	Heart and Stroke Foundation of Canada 07/2001 – 06/2004 ( <i>Operating</i> )	\$270,000
52.	Canada Research Chair II in Molecular Cardiology 04/2001 – 10/2006	\$500,000
53.	Canada Foundation for Innovation 04/2001– 04/2002 ( <i>Infrastructure Equipment Grant</i> )	\$306,882
54.	Thorlakson Foundation Inc. Award 2000 – 2001 ( <i>Operating</i> )	\$15,000
55.	Canadian Institutes for Health Research 10/2000 – 06/2003 ( <i>Operating</i> )	\$603,000
56.	Canadian Institutes for Health Research 10/1999 – 06/2004 ( <i>Operating</i> )	\$1,600,000
57.	St. Boniface Hospital Research Foundation Inc. 04/1999 – 05/2000	\$20,000
58.	Canadian Institutes for Health Research (Core Grant) 10/1999 – 06/2004 ( <i>Group in Experimental Cardiology</i> ) 06/1998– 05/1999 ( <i>Operating</i> )	\$138,000
59.	Heart and Stroke Foundation of Canada 07/1998 – 06/2001 ( <i>Operating</i> )	\$342,000
60.	Canada Foundation for Innovation 04/1998 – 09/1999 ( <i>Infrastructure Equipment Grant</i> )	\$316,000
61.	Heart and Stroke Foundation of Canada 1998 – 2001 ( <i>Operating</i> )	\$330,000
62.	Canadian Institutes for Health Research 00/1997– 00/2004 ( <i>CIHR Studentship- K. Regula</i> )	\$140,000
63.	Heart and Stroke Foundation of Canada 1996 – 2001 ( <i>Scholarship Award</i> )	\$250,000
64.	Heart and Stroke Foundation of Canada 1996 – 1998 ( <i>Operating</i> )	\$158,000



65.	Manitoba Health Research Council 1996 – 1998 ( <i>Operating</i> )	\$168,000
66.	Medical Research Council of Canada 04/1995 – 05/1999 ( <i>Operating</i> )	\$803,968
67.	Manitoba Health Research Council 1995 – 1997 ( <i>Operating</i> )	\$196,000
68.	Manitoba Health Research Council 1995 – 1996 ( <i>Scholarship Award</i> )	\$44,000
69.	Manitoba Health Research Council 1995 – 1996 ( <i>Establishment Grant</i> )	\$20,000
70.	Manitoba Medical Services Foundation 1995 – 1997 ( <i>Operating</i> )	\$90,000

### **Inventions and Patents**

- The NIP3 Family of Proteins PCT/USC01/21403 Patent Issued 2008
- BNIP3 Isoforms and Methods of Use PCT/IB2011/001662 Patent Issued 2012

### **Invited Scientific Lecture Presentations**

- 1988 **Award Lectureship** – Canadian Society for Clinical Investigation Meeting, Ottawa, Canada
- 1989 Canadian Federation of Biological Sciences Meeting, Calgary, Canada
- 1991 International Society for Pathophysiology Meeting, Moscow, Russia
- 1992 International Society for Heart Research World Meeting, Kobe, Japan
- 1994 67<sup>th</sup> Annual Meeting, American Heart Association, Dallas, USA
- 1995 XVII International Society for Heart Research American Section, Orange Beach, USA
- 1995 IV World Congress of International Society For Adaptive Medicine, Chandigarh, India
- 1997 70<sup>th</sup> Annual Meeting, American Heart Association, Dallas, USA
- 1996 American Heart Association 69<sup>th</sup> Annual Meeting, New Orleans, USA
- 1996 VI World Congress of Cardiology, Forum Scientifico, Belo Horizonte, Brazil
- 1997 Department of Pharmacology, University of Laval, Ste-Foy, Canada
- 1997 5<sup>th</sup> World Congress of ISAM, Framingham, USA
- 1997 XVIII European Section of International Society for Heart Research (ISHR), Satellite Meeting, Stara Lesna, Slovak Republic
- 1998 6<sup>th</sup> World Congress on Heart Failure-Mechanisms and Mgmt, Geneva, Switzerland
- 1998 Department of Physiology and Biophysics, College of Medicine, University of Vermont, Burlington, USA
- 1998 Department of Medicine Section of Cardiology, University of Alberta, Edmonton, Canada
- 1998 Department of Medicine, Alberta Heritage Medical Research Foundation Visiting Scientist, University of Alberta, Edmonton, Canada

- 1999 XXI International Society for Heart Research American Section, San Diego, USA
- 1999 Department of Pharmacology, University of California at San Diego, San Diego, USA
- 1999 **Keynote Lecture** – 63rd Japanese Circulation Society Meeting, Tokyo, Japan
- 1999 52<sup>nd</sup> Canadian Cardiovascular Society Meeting, Québec City, Canada
- 1999 72<sup>nd</sup> American Heart Association Meeting, Atlanta, USA
- 1999 Department of Medicine, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil
- 1999 XVIII Brazilian Physiological Society of Rio Grande do Sul, Porto Alegre, Brazil
- 1999 XI World Congress of Cardiology, Forum Scientifico, Belo Horizonte, Brazil
- 2000 International Symposium on the Developing Heart, Prague, Czech Republic
- 2000 Oxidative Stress Consortium, CIHR Meeting, Hamilton, Canada
- 2000 7<sup>th</sup> World Congress on Heart Failure, Vancouver, Canada
- 2000 IV World Congress on Adaptive Medicine, Lyon, France
- 2001 Department of Medicine, Division of Cardiology, University of Calgary, Calgary, Canada
- 2001 Guy-Bernier Centre de Recherche, University of Montreal, Montreal, Canada
- 2001 Oxidative Stress Consortium, CIHR Meeting, London, Canada
- 2001 **Keynote Speaker** – British Society for Cardiovascular Research, Guy's Hospital London, London, England
- 2001 Gordon Research Conference on Cell Death, Oxford, England
- 2002 Department of Neurosciences, University of Ottawa, Ottawa, Canada
- 2002 Hospital for Sick Children, University of Toronto, Toronto, Canada
- 2002 American Association for Cancer Research, Waikoloa, USA
- 2002 8th World Congress on Heart Failure, Washington, USA
- 2002 **Special Invited Speaker** – Gordon Research Conference on Angiotensin, IL Ciocco, Pisa
- 2002 Canadian Cardiovascular Society Meeting, Edmonton, Canada
- 2002 75<sup>th</sup> American Heart Association Meeting, Chicago, USA
- 2003 5<sup>th</sup> Workshop on Cardiac Development, Ascona, Switzerland
- 2003 Department of Pharmacology, University of Western Ontario, London, Canada
- 2003 University of Montreal IRCM, Montreal, Canada
- 2003 Hotel Dieu CHUM, Clinical Research Institute, Montreal, Canada
- 2003 Symposium, Genes and Heart, Brno, Czech Republic
- 2003 Canadian Cardiovascular Society Annual Meeting, Toronto, Canada
- 2003 1<sup>st</sup> Annual American Heart Association, Basic Council Meeting, Snow Bird, USA
- 2004 Department of Physiology, University of Western Ontario, London, Canada
- 2004 **Invited Teaching Seminar Speaker** – Department of Pharmacology, University of Western, London, Canada
- 2004 Department of Physiology, Loyola University, Chicago, USA

- 2004 Department of Biochemistry, University of Laval, Québec City, Canada
- 2004 International Cell Death Society, Maynooth, Ireland
- 2004 International Society for Heart Research (ISHR), World Congress, Brisbane, Australia
- 2005 Department of Medicine, University of Minnesota, Minneapolis, USA
- 2005 Department of Medicine, University of Louisville, Louisville, USA
- 2005 Department of Physiology, Queen's University, Kingston, Canada
- 2005 American Heart Association, Scientific Sessions Conference, Dallas, USA
- 2005 Department of Cardiology, University of Ottawa Heart Institute, Ottawa, Canada
- 2005 Department of Medicine, University of California at San Diego, San Diego, USA
- 2005 Department of Biological Sciences, San Diego State University, San Diego, USA
- 2005 **Special Seminar Speaker** – Novartis Institutes for Biomedical Research, Boston, USA
- 2005 Department of Pharmacology, University of California at San Diego, San Diego, USA
- 2005 International Society for Heart Research (ISHR), Japanese Section, Osaka, Japan
- 2006 Department of Biochemistry, University of Alberta, Edmonton, Canada
- 2006 Department of Medicine, WILF Albert Einstein School of Medicine, Yeshiva University, New York, USA
- 2006 Department of Medicine, Lady Davis Institute, Jewish General, Montreal, Canada
- 2006 American Heart Association, Scientific Sessions Meeting, Chicago, USA
- 2006 International Academy of Cardiovascular Sciences, Sapporo, Japan
- 2006 International Society for Heart Research (ISHR), American Section, Toronto, Canada
- 2006 Heart and Stroke/Richard Lewar Centre of Excellence Distinguished Professor, University of Toronto, Toronto, Canada
- 2007 International Society for Heart Research (ISHR) World Congress, Bologna, Italy
- 2007 Department of Cardiology, The Rayne Institute, St. Thomas Hospital, London, England
- 2007 American Heart Association, Cardiovascular Repair & Regeneration, Keystone, USA
- 2007 World Congress of Cardiology, Forum Scientifico, Belo Horizonte, Brazil
- 2007 Speaker Department of Biology, York University, Toronto, Canada
- 2007 Department of Nephrology, University of Ottawa, Ontario Health Research Network, Ottawa, Canada
- 2008 **Invited Guest Lectureship** – Canadian Cardiovascular Society Meeting, Toronto, Canada
- 2008 Keystone, NF-kB Bench to Bedside Symposia, Banff, Canada
- 2008 Department of Biochemistry, University of Alberta, Edmonton, Canada
- 2008 International Society for Heart Research (ISHR), American Section, Cincinnati, USA
- 2008 American Heart Association Meeting, New Orleans, USA
- 2008 8<sup>th</sup> Workshop on Calreticulin, Viña Del Mar, Chile
- 2008 2<sup>nd</sup> Annual Mendel Symposium, Genes and Heart, Prague, Czech Republic

- 2009 **Distinguished Scientist Lectureship** – Department of Medicine, Lillehei Heart Institute, University of Minnesota, Minneapolis, USA
- 2009 Sudden Cardiac Death Symposium, Panum Institute, Copenhagen, Denmark
- 2009 American Heart Association, Basic Cardiovascular Sciences Scientific Sessions, Las Vegas, USA
- 2009 9<sup>th</sup> World Congress of International Society for Adaptive Medicine, Taipei, Taiwan
- 2009 7<sup>th</sup> Meeting Society of Heart and Vascular Metabolism, Padova, Italy
- 2009 **Distinguished Lectureship** – University of Medicine and Dentistry of New Jersey, Newark, USA
- 2009 Boston University School of Medicine, Whitaker Cardiovascular Institute, Boston, USA
- 2009 **Keynote** – Lakehead University, Northern Ontario School of Medicine, Thunder Bay, Canada
- 2009 American Heart Association, Scientific Sessions – Orlando, USA
- 2009 Accueil Université Nice Sophia Antipolis (présidence), Lyon, France
- 2010 Heart Institute, San Diego State University, on Cell Death, San Diego, USA
- 2010 1<sup>st</sup> Conference of the European Research Institute, Institute Pasteur, Paris, France
- 2010 University of Alberta, Faculty of Medicine and Dentistry, Edmonton, Canada
- 2010 XX World Congress, International Society for Heart Research, Kyoto, Japan
- 2010 15<sup>th</sup> World Congress International Academy of Cardiology, Vancouver, Canada
- 2010 Slovenska Akademia Vied International Symposium, Bratislava, Slovakia
- 2010 American Heart Association, Basic Cardiovascular Sciences Scientific Sessions, Rancho Mirage, USA
- 2010 Riley Heart Center Symposium on Cardiac Development, Indianapolis, USA
- 2010 Brigham and Woman's Hospital, Harvard Medical School, Boston, USA
- 2010 American Heart Association, Scientific Sessions, Washington, USA
- 2010 XX Scientific Forum, International Congress of Cardiovascular Sciences, Sao Paula, Brazil
- 2010 American Heart Association Scientific Sessions, Chicago, USA
- 2011 2<sup>nd</sup> Cuba-Canada International Heart Symposium, Holguin, Cuba
- 2011 Beth Israel Deaconess Medical Center, Seminar Series, Boston, USA
- 2011 Keystone, Molecular and Cellular Biology (X3) Symposium, Keystone, USA
- 2011 13<sup>th</sup> La Jolla-International Cardiovascular Research Conference, San Diego, USA
- 2011 **Keynote Lecture** – Abb Distinguished Cardiovascular Research Institute, University Rochester Medical Center, Rochester, USA
- 2011 International Society for Heart Research (ISHR) European Section, Haifa, Israel
- 2011 Faculty of Medicine, University of Ottawa, Ottawa, Canada
- 2011 International Academy of Cardiology, 16<sup>th</sup> World Congress, Vancouver, Canada
- 2011 **Keynote Lecture** – The British Society for Cardiovascular Research Autumn Meeting, London, United Kingdom

- 2011 **Special Seminar Speaker** – The Hatter Cardiovascular Institute, University College London, London, United Kingdom
- 2011 Sanford School of Medicine, Research Center, Vermillion, USA
- 2011 Mitochondrial Dynamics, Sardinia, Italy
- 2011 American Heart Association, Scientific Sessions, Orlando, USA
- 2011 University of Texas Southwestern Medical Center, Dallas, USA
- 2011 San Diego State University, San Diego, USA
- 2012 Northwestern University School of Medicine, Chicago, USA
- 2012 University of Louisville Health Sciences Center, Louisville, USA
- 2012 London Health Sciences Centre University Hospital, London, Canada
- 2012 Albert Einstein College of Medicine Cardiovascular, New York, USA
- 2012 University of Washington, Medicine at South Lake Union, Mitochondria and Metabolism Center, Seattle, USA
- 2012 **Keynote Lecture** – Université de Montréal (GEPROM), Montreal, Canada
- 2012 Department of Biomedical and Molecular Seminar Series, Queen’s University, Kingston, Canada
- 2012 International Society for Heart Research (ISHR) North America Section, Banff, Canada
- 2012 Society for Heart and Vascular Metabolism, Oxford, United Kingdom
- 2012 17<sup>th</sup> World Congress on Heart Disease International Academy of Cardiology, Toronto, Canada
- 2012 **Keynote Lecture** – University of California, Los Angeles Medical School, Los Angeles, USA
- 2012 1<sup>st</sup> Symposium of the UAB Comprehensive Cardiovascular Center, Birmingham, USA
- 2012 American Heart Association Scientific Sessions, Los Angeles, USA
- 2012 **Keynote Lecture** – Canadian Hypertension Society, Toronto, Canada
- 2012 XXII-International Congress of Cardiovascular Sciences, Belo Horizonte, Brazil
- 2012 San Diego State University, San Diego, USA
- 2013 10<sup>th</sup> Calreticulin Workshop, Banff, Canada
- 2013 New Jersey Medical School, Newark, USA
- 2013 **Keynote Lecture** – University of Toronto, Toronto, Canada
- 2013 International Cell Death Society, Fuengirola, Malaga, Spain
- 2013 International Society for Heart Research (ISHR) ISHR XXI World Congress North America Section, San Diego, USA
- 2013 American Heart Association, Basic Cardiovascular Sciences, Las Vegas, USA
- 2013 **Keynote Invited Seminar** – The Cardiovascular Forum, Louisville, USA
- 2013 10<sup>th</sup> International Congress on Coronary Artery Disease, Florence, Italy
- 2013 **State of the Art Lecture** – Canadian Hypertension Congress, Montreal, Canada

- 2013 American Heart Association, Scientific Sessions, Dallas, USA
- 2014 San Diego State University, San Diego, USA
- 2014 New Frontiers in Basic Cardiovascular Research, Bratislava, Slovak
- 2014 Cardiac Growth and Regeneration Conference, Viterbo, Italy
- 2014 **Distinguished Lectureship** – Department of Biomedical Sciences, University of Padova, Padova, Italy
- 2014 **Keynote Lecture** – 2<sup>nd</sup> Cardiovascular Forum for Promoting Centers of Excellence and Young Investigators, Winnipeg, Canada
- 2014 Centre de Recherche du CHU Sainte Justine, University of Montreal, Montreal, Canada
- 2014 XXIV Scientific Forum, International Congress of Cardiovascular Sciences, Alagoas, Brazil
- 2014 **Special Invited Lectureship** – The Rayne Institute, St. Thomas' Hospital Campus, London, England
- 2015 Ottawa Hospital Research Institute, Ottawa, Canada
- 2015 Keystone, Mitochondria, Metabolism and Heart Failure Symposium, Santa Fe, USA
- 2015 John A. Burns School of Medicine, University of Hawaii, Honolulu, USA
- 2015 Department of Pharmacology, Temple University School of Medicine, Philadelphia, USA
- 2015 Department of Medicine, Columbia University, New York City, USA
- 2015 11<sup>th</sup> International Calreticulin Workshop, New York City, USA
- 2015 11<sup>th</sup> World Congress of the International Society for Adaptive Medicine, Yonago, Japan
- 2015 International Society for Heart Research (ISHR) North America Section, Seattle, USA
- 2015 **Visiting Professorship** – Rutgers New Jersey Medical School, Newark, USA
- 2015 20<sup>th</sup> World Congress on Heart Disease, Vancouver, Canada
- 2015 11<sup>th</sup> International Congress on Coronary Artery Disease, From Prevention to Intervention, Florence, Italy
- 2016 New Frontiers in Cell Death Signaling and Heart Failure Conference, Honolulu, USA
- 2016 World Congress of the International Society for Heart Research, Buenos Aires, Argentina
- 2016 American Heart Association, Basic Cardiovascular Sciences, Phoenix, USA
- 2016 **Keynote Lectureship** – Inaugural Cardiovascular Research Centre Conference, University of Guelph, Guelph, Canada
- 2016 American Heart Association, Scientific Sessions, New Orleans, USA
- 2016 Department of Cell Biology and Molecular Medicine, Cardiovascular Research Institute, Rutgers New Jersey Medical School, Newark, USA
- 2017 **Invited Special Program Seminar Speaker** – Ben Gurion University, Beer-Sheva, Israel
- 2017 Keystone Mitochondria, Metabolism and Heart Conference, Santa Fe, USA

- 2017 International Cell Death Society, Cell Death in Development and Disease Conference, Rehovot, Israel
- 2017 European Society of Cardiology Congress, Barcelona, Spain
- 2017 12<sup>th</sup> International Congress on Coronary Artery Disease – From Prevention to Intervention Conference, Venice, Italy
- 2018 2<sup>nd</sup> New Frontiers in Cell Death Signaling and Heart Failure Conference, Honolulu, USA
- 2018 Faculty of Medicine, University of Ottawa, Ottawa, Canada
- 2018 1<sup>st</sup> Olympiad in Cardiovascular Medicine, International Symposium on Experimental and Clinical Cardiology, Athens, Greece
- 2018 37<sup>th</sup> Annual Meeting International Society for Heart Research (ISHR), Halifax, Canada
- 2018 International Academy of Cardiovascular Sciences (IACS), European Section Meeting, Smolenice, Slovakia Republic
- 2018 International Society for Heart Research - North American Section Meeting, Cuban Society of Cardiology, Havana, Cuba
- 2018 International Society for Heart Research - North American Section Meeting, Cuban Society of Cardiology, Havana, Cuba
- 2018 **Invited Lectureship** – 35<sup>th</sup> International Society for Heart Research European Section, Amsterdam, Netherlands
- 2018 American Heart Association, Basic Cardiovascular Sciences, Scientific Sessions, San Antonio, USA
- 2018 European Cooperation in Science and Technology (COST) 3rd European Cardioprotection COST Action WG Meeting, Kamari, Santorini, Greece
- 2018 **Keynote Lecture** – Department of Medicine, Rutgers New Jersey Medical School, Newark, USA
- 2019 3<sup>rd</sup> Annual International Hawaii Cardiovascular Symposium (IHCVS), Honolulu, USA
- 2019 **Featured Lectureship** – University of South Carolina, Regenerative Medicine & Cell Biology Seminar Series, Charleston, USA
- 2019 4<sup>th</sup> Annual Conference of the Canadian Society for Chronobiology, McGill University, Montreal, Canada
- 2019 25<sup>th</sup> Annual Cell Death Through the Ages, International Cell Death Society Conference, New York, USA
- 2019 25<sup>th</sup> Annual Cell Death Through the Ages, International Cell Death Society Conference, New York, USA
- 2019 **Keynote Lecture** – Department of Medicine, Rutgers New Jersey Medical School, Newark, USA
- 2019 European Biological Rhythms Society Conference, Lyon, France

- 2019 **Invited Award Lectureship** – 6th Meeting of European Section and 7<sup>th</sup> Meeting of North American Section of the International Academy of Cardiovascular Sciences (IACS) Vrnjacka Banja, Serbia
- 2019 James T. Willerson Distinguished, Visiting Professor Lectureship, Texas Heart Institute, Houston, USA
- 2019 American Heart Association, Scientific Sessions Conference, Philadelphia, USA
- 2019 University of California, Los Angeles, Cardiovascular Theme: Distinguished Seminar Series and iDISCOVER Lecture Series, Los Angeles, USA
- 2020 4<sup>th</sup> Annual International Hawaii Cardiovascular Symposium (IHCVS), Honolulu, USA
- 2020 International Academy of Cardiovascular Sciences (IACS) India Section, New Delhi, India
- 2020 International Society of Heart Research (ISHR) New Delhi, India
- 2020 Alumni Learning for Life Program, University of Manitoba, Winnipeg, Canada
- 2021 Rutgers New Jersey Medical School Seminar Series, Newark, New Jersey, USA
- 2021 Experimental Biology 2021(Virtual Conference due to COVID-19)
- 2021 Canadian Space Agency, Cardiovascular Health in Space Symposium
- 2022 5<sup>th</sup> Annual International Hawaii Cardiovascular Symposium (IHCVS), Honolulu, USA

### **Invited Scientific Sessions Chaired**

- 1995 IV World Congress of International Society For Adaptive Medicine, Chandigarh, India
- 1996 VI World Congress on Cardiology Forum Scientifico, Bello Horizonte, Brazil
- 1997 European Section of International Society for Heart Research (ISHR), Satellite Meeting, Stara Lesna, Slovak Republic
- 1998 XVI World Congress of International Society for Heart Research (ISHR), Richard Bing Award Competition Judge, Rhodes, Ixia Greece
- 1998 XVI World Congress of International Society for Heart Research (ISHR), Rhodes, Palace, Ixia Greece
- 1998 6<sup>th</sup> World Congress on Heart Failure–Mechanisms and Management, Geneva, Switzerland
- 1999 63<sup>rd</sup> Annual Japanese Circulation Society Meeting, Tokyo, Japan
- 1999 52<sup>nd</sup> Canadian Cardiovascular Society Meeting, Québec City, Canada
- 2000 Oxidative Stress Consortium, CIHR Meeting, Hamilton, Canada
- 2000 7<sup>th</sup> World Congress on Heart Failure, Vancouver, Canada
- 2000 IV World Congress on Adaptive Medicine, Lyon, France
- 2000 American Heart Association Meeting, New Orleans, USA
- 2002 Canadian Cardiovascular Society Meeting, Edmonton, Canada
- 2002 75<sup>th</sup> American Heart Association Meeting, Chicago, USA
- 2003 Canadian Cardiovascular Society, Toronto, Canada
- 2005 Heart Failure Society of America, Boca Raton, USA
- 2006 Canadian Cardiovascular Society, Vancouver, Canada
- 2006 American Heart Association Meeting, Chicago, USA



- 2006 American Heart Association Meeting, Chicago, USA
- 2007 American Heart Association Meeting, Orlando, USA
- 2009 IX World Congress of ISAM, Taipei, Taiwan
- 2009 American Heart Association Meeting, Orlando, USA
- 2010 XX World Congress of International Society for Heart Research (ISHR), Kyoto, Japan
- 2010 American Heart Association Meeting, Chicago, USA
- 2011 Basic Cardiovascular Sciences Annual Conference, New Orleans, USA
- 2012 Keystone Symposia, Keystone, USA (2011 American Heart Association Meeting, Orlando, USA)
- 2012 17<sup>th</sup> World Congress on Heart Disease, Toronto, Canada
- 2013 Keystone Symposium Conference, Keystone, Colorado
- 2013 Basic Cardiovascular Sciences 2013 Scientific Sessions, Las Vegas, Nevada
- 2013 Canadian Hypertension Congress, Montreal, Canada
- 2013 American Heart Association, Scientific Sessions, Dallas, USA
- 2014 International Society for Heart Research North America Section, Miami Beach, USA
- 2014 American Heart Association, Basic Cardiovascular Sciences Scientific Sessions, Las Vegas, USA
- 2015 American Heart Association Scientific Sessions, New Orleans, USA
- 2016 American Heart Association, Basic Cardiovascular Sciences, Phoenix, USA
- 2016 American Heart Association, Scientific Sessions, New Orleans, USA
- 2017 International Society for Heart Research (ISHR) – North American Section Conference, New Orleans, USA
- 2017 American Heart Association Scientific Sessions, Anaheim, USA
- 2018 International Academy of Cardiovascular Sciences North American Conference, Havana, Cuba
- 2018 American Heart Association, Scientific Sessions, Chicago, USA
- 2019 6<sup>th</sup> Meeting of European Section and 7<sup>th</sup> Meeting of North American Section of the International Academy of Cardiovascular Sciences (IACS), Vrnjacka Banja, Serbia
- 2019 American Heart Association, Scientific Sessions Conference, Philadelphia, USA

### **Media Appearances (As of 2022)**

Radio Interview, CJOB - Tri-Hospital Lottery media blitz (June 2, 2022)

### **National Grant Committees**

- 1997- present Swiss National Sciences Foundation Committee Member
- 1996-2006 Canadian Institutes for Health Research Scientific External Reviewer
- 1996-2011 Heart and Stroke Foundation of Canada External Reviewer
- 1998-2001 Heart and Stroke Foundation of Canada, Junior Personnel Awards Committee
- 1999-2001 Canadian Institutes for Health Research, Scientific Committee Cardiovascular A, Committee Member
- 1999-2002 Alberta Heritage Foundation for Medical Research

2002-2005	Canadian Institutes of Health Research, Cardiovascular A Committee, Scientific Officer
2008	Saskatchewan Health Research Foundation Member
2004-2008	American Heart Association, Scientific Sessions, Program Committee Member
2005-2008	Canadian Institutes of Health Research, Cardiovascular A Committee, Chair
2005-2010	Canadian Institutes of Health Research, IMPACT Fellowship Program, Committee Member
2006-2009	CancerCare Manitoba Scientific Advisory, Committee Member
2014	Ontario Research Fund – Research Excellence
2014-2017	Canada Foundation for Innovation, Major Infrastructure, Chair
2006-2010	Canadian Institutes of Health Research/Heart and Stroke Foundation, TACTICS Program, Committee Member
2010-2014	Heart and Stroke Foundation of Canada, Committee V, Chair
2013-present	Canadian Institutes of Health Research, Cardiovascular System, A, Committee Member
2017-present	American Heart Association, Collaborative Science Award, Committee Member
2018- present	Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant
2018- present	Banting and Beat Award, University of Manitoba
2018-present	Canadian Institutes of Health Research, Cardiovascular System, A, Scientific Officer

### **International Reviewer of Grant Applications**

- National Institutes of Health (NIH) Center for Scientific Review, Special Emphasis Panel, Committee Member (2019)
- Israel Science Foundation (2015 – present)
- National Space Agency/Canadian Space Agency Consultant (2014 – present)
- Wellcome Trust, Boroughs Foundation UK England, Committee Member (2008 – present)
- Italian Lottery Foundation, Committee Member (2012)
- National Institutes of Health (NIH) Center for Scientific Review Study Section, Myocardial Ischemia and Metabolism, Chair (2010 – 2012)
- American Heart Association, Basic Cardiovascular Sciences Scientific Sessions, Marcus Award Review, Committee Member (2009)
- National Institutes of Health (NIH) Center for Scientific Review, Myocardial Ischemia and Metabolism, Study Section, Committee Member (2004 – 2010)
- American Heart Association, Operating Grants Committee Member (2002 – 2003)

### **Abstract Grader**

- Canadian Cardiovascular Society (2006 – present)

- American Heart Association, Basic Cardiovascular Sciences (2004 – present)
- American Heart Association, Scientific Sessions (2002 – present)
- International Academy of Cardiology (2002 – present)

**Journal Editorial Boards**

- Canadian Journal of Physiology and Pharmacology, **Co-Editor-in-Chief** (2022 – present)
- Molecular and Cellular Biochemistry, **Consulting Editor** (2021 – present)
- The Journal of Cardiovascular Aging, **Consulting Editor** (2021 – present)
- Scientific Reports, **Associate Editor** (2018 – present)
- American Journal of Physiology, Heart and Circulatory Physiology, **Series Editor** (2018)
- Biochemistry and Cell Biology Journal (2017 – present)
- Trends in Cardiovascular Research (2016 – present)
- Autophagy, **Associate Editor** (2015 – 2018)
- Circulation: Heart Failure, **Associate Editor** (2013 – 2018)
- American Journal of Physiology, Heart and Circulatory Physiology (2010 – present)
- Hypertension (2010 – 2015)
- Journal of Cardiovascular Translational Research, **Associate Editor** (2010 – 2016)
- Journal of Cardiovascular Translational Research (2008 – 2010)
- Circulation Research (2005 – present)
- Canadian Journal of Cardiology (2007 – present)
- Cardiovascular Research (2002 – present)
- Molecular and Cellular Biochemistry (1997 – present)
- Journal of Molecular Cellular Cardiology (2003 – 2008)

**Elected Council Positions and Advisory Boards**

2003-2009	International Society for Heart Research American Section, Council Member
2003-2008	Canadian Cardiovascular Society Council Member
2005-2010	University of Manitoba Senate
2006-2009	Canadian Cardiovascular Society, Scientific Program Committee
2006-2009	International Society for Heart Research American Section, Council Member
2007-2013	International Society for Heart Research World Section, Council Member
2008-2009	American Heart Association Melvin Marcus Award Judge
2009-2012	American Heart Association Basic Cardiovascular Sciences Program and Membership Committee
2009-2011	American Heart Association Leadership Committee
2010-2013	American Heart Association, Council of Basic Cardiovascular Sciences Leadership and Program Committee, Committee Member
2012-2015	International Society for Heart Research, North American Section, Steering Committee
2014-2016	Membership and Communications Committee, American Heart Association,

Basic Cardiovascular Sciences, Vice Chair  
2015-2017 American Heart Association, Basic Cardiovascular Sciences Awards, Committee Member  
2010-present International Academy of Cardiovascular Sciences, Fellowship Awards Committee  
2011-present International Academy of Cardiovascular Sciences, Scientific Executive Committee  
2017-present Membership and Communications Committee, American Heart Association,  
Basic Cardiovascular Sciences, Chair  
2017-present International Society for Heart Research North American Section, Council Member  
2017-present International Society for Heart Research World Section, Council Member

### **Journal Reviewer**

- American Journal of Physiology – Cell Physiology
- American Journal of Physiology – Heart and Circulatory Physiology
- Autophagy
- BBA Molecular Basis of Disease
- Biochemistry and Cell Biology Journal
- British Journal of Pharmacology
- Canadian Journal of Cardiology
- Cardiovascular Research
- Cell and Tissue Research
- Cell Death and Differentiation
- Circulation
- Circulation Research
- Comparative Biochemistry and Physiology
- European Heart Journal
- Expert Opinion Series on Investigational Drugs, Informa Healthcare
- Heart Failure
- Hypertension Research
- International Journal of Biochemistry
- Journal American College of Cardiology
- Journal of Biological Chemistry
- Journal of Cardiovascular Translational Research
- Journal of Clinical Investigation
- Journal of Molecular and Cellular Cardiology
- Journal of Molecular Pharmacology
- Journal of Pharmacology and Experimental Therapeutics
- Molecular and Cellular Biochemistry
- Molecular Pharmacology
- Nature Communications
- Nature Medicine

- Proceedings of the National Academy of Science
- Scientific Reports
- Science

### **University and Academic Committees**

- Division of Cardiovascular Science and Disease, Department of Physiology and Pathophysiology (2017 – present)
- Canada Research Chairs, Equity, Diversity and Inclusions Review Panel, University of Manitoba (2020 – present)
- Chair, Institute of Cardiovascular Sciences, Naranjan Dhalla Cardiovascular Awards Day (2017 – present)
- University of Manitoba Alumni Association Selection Committee (2019 – present)
- Chair, Pawan K. Singal Graduate Student Scholarship Committee, Institute of Cardiovascular Sciences (2017 – Present)
- Innovation Plaza Selection Committee Meeting, University of Manitoba, Committee Member (2019 – Present)
- Chair, Responsible Conduct of Research Policy Committee, University of Manitoba (2017-present)
- Director, Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre
- Rh Awards Selection Committee, University of Manitoba (2010 – Present)
- Graduate Studies, University of Manitoba, Faculty Council Member (1996 – Present)
- Pawan K. Singal Graduate Student Scholarship Committee, Institute of Cardiovascular Sciences, Committee Member (2010 – 2017)
- Secretariat, Institute of Cardiovascular Sciences, Naranjan Dhalla Cardiovascular Awards Day, (2007-2017)
- St. Boniface Hospital Research Centre, Educational Program Director (2006 – 2015)
- B.Sc. Med. Department of Physiology, University of Manitoba, Program Coordinator (1995 – 2000)
- University of Manitoba, Faculty of Medicine, Senator (2005 – 2011)
- Coordinator, Scientific Seminar Program, Seminar Series Program, Institute of Cardiovascular Sciences, Coordinator (1998 – 2017)
- Chair, Accreditation Review Committee Academic, Max Rady College of Medicine, University of Manitoba, Chair (2003)
- Max Rady College of Medicine, Executive Policy Committee Member, University of Manitoba (1996 – 2001)
- Animal Ethics Protocol Committee, University of Manitoba (1998 – 2002)

### **Academic Course Responsibilities**

- Medical Physiology Lecture (2017 – Present)

- Cardiovascular Pathophysiology PHGY 7350 – Lecture (1996 – Present)
- Cardiac Gene Therapy PHGY 7390 – Course Director (1996 – Present)
- Medical Physiology – Cardiovascular Section Coordinator PHGY 7254 (2001 – 2016)
- Molecular Cardiology 90:737 (2001 – 2010)
- Cellular and Molecular Biology of the Vasculature 90:740 (2001 – 2005)
- Trends in Cardiovascular Sciences – Course Director PHGY 7360 (1998 – 2017)
- Cardiovascular Section Coordinator, School of Medical Rehabilitation 68:148 (1995 – 2001)

### **Participation in Team Taught University Courses**

- PHGY 7350 - Cardiovascular Pathophysiology (1995 – present)
- Medicine I, Block I, Faculty of Medicine Cardiovascular Section (1996 – 2000)
- Medicine I, Block III, Faculty of Medicine Cardiovascular Section (1996 – 2000)
- Fundamentals of Physiology, Faculty of Pharmacy (1995 – 2000)
- Physician Assistant Program, Faculty of Medicine (2011 – 2014)

### **Teaching Administrative Duties**

- PHGY 7390 - Cardiac Gene Therapy, Course Coordinator (1995 – present)
- Trends in Cardiovascular Sciences, Course Coordinator, (1998 – 2017)
- Medical Rehabilitation Cardiovascular, Section Coordinator, (1995 – 2000)
- Medical Physiology Cardiovascular, Section Coordinator (1996 – 2015)

### **Committees and Other Administrative Duties at the University of Manitoba**

- Animal Protocol and Management Review Committee Member (2000 – 2005)
- Faculty of Medicine Executive Policy Committee Member (2000 – present)
- Graduate Studies Faculty Council Member (1995 – present)
- Coordinator, Invited Seminar Series Program, Institute of Cardiovascular Sciences (1996-2017)
- Faculty of Medicine, Student Research Day Organizing Committee (1996 – 1998)
- Coordinator, B.Sc. Med., Department of Physiology (1995 – 2002)

### **Symposiums and Meetings Organized**

- 4<sup>th</sup> International Hawaii Cardiovascular Symposium (IHCVS), Honolulu, Hawaii (2020)
- 3<sup>rd</sup> International Hawaii Cardiovascular Symposium (IHCVS), Honolulu, Hawaii (2019)
- 2<sup>nd</sup> New Frontiers in Cell Death Signaling and Heart Failure Conference, Honolulu, Hawaii (2018)
- ICCAD 12<sup>th</sup> International Congress on Coronary Artery Disease, Venice, Italy (2017)
- New Frontiers in Cell Death Signaling and Heart Failure – Honolulu, Hawaii (2016)
- International Academy of Cardiovascular Sciences – Woman’s Public Health Forum on heart disease and prevention Winnipeg, Canada (2016)
- ICCAD 11<sup>th</sup> International Congress on Coronary Artery Disease, Florence, Italy (2015)
- Gordon Research Conference “Apoptosis and Angiotension II” Session IL Ciocco, Italy (2002)

- Canadian Student Health Research Forum “Programmed Cell Death in Medicine”, Faculty of Health Sciences, University of Manitoba, Co-Chair late Dr. Arnold Greenberg (1997)
- Canadian Student Health Research Forum “Gene Therapy” Student Research Day, Faculty of Health Sciences, University of Manitoba (1996)

### **Professional Society and Memberships**

- American Society for Biochemistry and Molecular Biology
- American Physiological Society
- American Heart Association
- American Society for Clinical Investigation
- Canadian Cardiovascular Society
- Canadian Academy Health Sciences
- Federation of American Societies for Experimental Biology
- International Society for Heart Research (American Section)
- International Academy of Cardiovascular Sciences
- International Cell Death Society
- Society for Research on Biological Rhythms

### **Postdoctoral Fellows and Visiting Scientists Trained**

1. C. Senerveratne, Postdoctoral Fellow University of Sri Lanka, Colombo, Sri Lanka (2002)
2. M. Zou, Postdoctoral Fellow University of Western Ontario, London, Canada (2003)
3. S. Zieroth, Medical Resident Cardiology, University of Manitoba, Winnipeg, Canada (2003-2004)
4. G. Li, Visiting Scientist, University of Toronto, Toronto, Canada (2004)
5. D. Baetz, Postdoctoral Fellow, INSRM, Paris, France (2005)
6. S. Javadov, Postdoctoral Fellow University of Western, Ontario, Canada (2005)
7. B. Li, Postdoctoral Fellow, University of Western, Ontario Canada (2007)
  - a. A. Kalik, Postdoctoral Fellow, University of Western, Ontario, Canada (2007)
8. Y. Aviv, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2008 – 2011)
9. R. Dhingra, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2009 – 2012)
10. J. Gordon, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2010 – 2012)
11. A. Biala, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2012 – 2015)
12. S. Carnicka, Visiting Scientist, Slovak Academy of Sciences, Bratislava, Slovakia (2013)
13. F. Sassone, Visiting Scientist, University of Milan, Milan, Italy (2014)
14. Z. Matúšková, Slovak Academy of Sciences, Bratislava, Slovakia (2014)
15. D. Amgalan, Visiting Scientist, Albert Einstein College of Medicine, New York, USA (2015)
16. R. Shi, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2016 – 2018)
17. I. Rabinovich-Nikitin, Postdoctoral Fellow, University of Manitoba, Winnipeg, Canada (2016-present)

**Trainees and Graduate Students Supervised****PhD Graduate Students**

1. Kelly Regula (2000 – 2004)
2. Jamie Shaw (2004 – 2009)
3. Junjun Lin (2013 – 2016)
4. Niketa Sareen (2014 – 2020)
5. Leena Saleth (2020-present)

**MSc Graduate Students**

1. Amara Garcia, BSc Co-op Student, Red River Community College (1995 –1996)
2. Shareef Mustapha (1996 – 1999)
3. Kelly Regula (1997 – 2000)
4. Rhonna Gurevich (1998 – 2000)
5. Karen Ens (2001 – 2003)
6. Marek Rzeszutek (2004 – 2005)
7. Wajihah Mughal (2009 – 2012)
8. Yan Wang (2010 – 2013)
9. Devin Hasanally (2012 – 2014)
10. Zeinab Roveimiab (2017 – 2019)
11. Matthew Guberman (2015 – 2020)
12. Matthew Love (2019 – 2021)
13. Margaux Melka (2020 – present)
14. Molly Crandall (2022 – Present)
15. Darya Nematisouldaragh (2022 – Present)

**Advisory Committee Member for MSc and PhD Students Trained**

2007 – 2009	F. Farahmand, PhD (supervisor P.K. Singal, University of Manitoba)
2007 – 2009	T. Goyal, PhD (supervisor N. Dhalla, University of Manitoba)
2007 – 2009	K. Kaur, PhD (supervisor P.K. Singal, University of Manitoba)
2007 – 2009	F. Mendoza, PhD (supervisor S. Gibson, University of Manitoba)
2007 – 2009	N. Prairie, MSc (supervisor Tappia, University of Manitoba)
2008 – 2010	I. Danielson, PhD (supervisor P.K. Singal, University of Manitoba)
2008 – 2010	M. Zettler, MSc (supervisor G.N. Pierce, University of Manitoba)
2008 – 2010	J. Fotheringham, PhD (supervisor J.D. Geiger, University of Manitoba)
2008 – 2010	L. Herman, PhD (supervisor K. Coombs, University of Manitoba)
2008 – 2010	S. Kothari, PhD (supervisor S. Gibson, University of Manitoba)
2008 – 2010	A. Lehenbauer-Ludke, PhD (supervisor P.K. Singal, University of Manitoba)
2008 – 2010	M. Dent, PhD (supervisor N. Dhalla, University of Manitoba)



2010 – 2012	L. Espira, PhD (supervisor M. Czubryt, University of Manitoba)
2010 – 2012	A. Thuy Tran, PhD (supervisor K. Coombs, University of Manitoba)
2010 – 2012	D. Khan, PhD (supervisor J. Davie, University of Manitoba)
2011 – 2015	R. Bagchi, PhD (supervisor M. Czubryt, University of Manitoba)
2011 – 2013	A. Al–Rahman Al–Shudiefat, PhD (supervisor P. Singal, University of Manitoba)
2012 – 2014	A. Blant, MSc (supervisor M. Czubryt, University of Manitoba)
2012 – 2014	D. Hasanally, PhD (supervisor A. Ravandi, University of Manitoba)
2013 – 2020	N. Koleini, PhD (supervisor E Kardami, University of Manitoba)
2013 – 2017	G. Akolkar, PhD (supervisor P.K. Singal, University of Manitoba)
2014 – 2016	M. Zeglinski, PhD (supervisor I.M. Dixon, University of Manitoba)
2014 – 2020	E. Abu-El-Rub, PhD (supervisor S. Dhingra, University of Manitoba)
2014 – 2020	N. Sareen, PhD (supervisor S. Dhingra, Co-supervisor L.A. Kirshenbaum, University of Manitoba)
2016 – 2020	A. Stamenkovic, PhD (supervisor G.N. Pierce, University of Manitoba)
2018 – 2019	A. Zahedi–Amiri, MSc (supervisor K. Coombs, University of Manitoba)
2014 – 2021	G. Sequiera, PhD (supervisor S. Dhingra, University of Manitoba)
2018 – present	K. Glover, PhD (supervisor K. Coombs, University of Manitoba)
2019 – present	P. Hassan–Tash MSc (supervisor A. Shah, University of Manitoba)
2019 – present	K. Narayan Alagarsamy PhD (supervisor S. Dhingra, University of Manitoba)
2020 – present	L. Saleth, PhD (supervisor S. Dhingra, Co-supervisor L.A. Kirshenbaum, University of Manitoba)

### **External Examiner for Graduate Student's Thesis Defense**

2008	R. Shamloul, (supervisor Dr. Rui Wang, University of Saskatchewan)
2008	G. Slaughter, PhD (supervisor T. Parker, University of Toronto)
2008	A. Davidoff, PhD (supervisor, H. Ter Keurs, University of Calgary)
2011	T. Ryan-Porter, PhD (supervisor Dr. I Skerjan, University of Ottawa)
2011	G. de Coute, PhD (supervisor Dr. P. Liu, University of Toronto)
2012	W. Maharsy, PhD (supervisor Dr. K. Pasumarthi, Dalhousie University)
2012	K.M. Wafa, PhD (supervisor Dr. K. Pasumarthi, Dalhousie University)
2013	J. Salma, PhD (Supervisor, Dr. J. McDermott, York University)
2014	D. Amgalan, Visiting Scientist, Albert Einstein College of Medicine, New York, USA
2015	J.M. Pflieger, PhD (supervisor Dr. M. Abdellatif, Rutgers New Jersey Medical School)
2016	F. Alibhai, PhD (supervisor Dr. T. Martino, University of Guelph)
2017	S. McLean PhD (supervisor Dr. G. Lopaschuk, University of Alberta)
2017	S. Hashemi, PhD (supervisor Dr. J. McDermott, University of Toronto)
2017	A. Zakariyah, Ph.D. (supervisor Dr. P. Burgon, University of Ottawa)
2017	S. Rane, PhD (supervisor Dr. M. Abdellatif, New Jersey Medical School)
2017	B. Putinski, PhD (supervisor Dr. L. Megeney, Ottawa Hospital Research Institute)
2018	G. Kanaan, PhD (supervisor Dr. M.E. Harper, University of Ottawa)

- 2018 J. Byun, PhD (supervisor Dr. J. Sadoshima, Rutgers New Jersey Medical School)  
2020 Q. Wang PhD (supervisor M. Michalak, University of Alberta)  
2021 M. Tong (Supervisor J. Sadoshima, Rutgers New Jersey Medical School)  
2022 Yu Zhang (Supervisor J. Sadoshima, Rutgers New Jersey Medical School)

### **Bachelor of Science in Medicine Students Trained**

1. Alla Kirshner (1995 – 1997)
  - *B.Sc. Med. Award Winner, Manitoba Medical Services Foundation*
  - *Best Cardiovascular Sciences Project*
2. Jonathan Prychitko (1997 – 1999)
  - *B.Sc. Med. Award Winner, Merck Sharpe & Dome Research Award*
  - *Best Basic Medical Sciences Project*
3. Carolyn Cuthbert, BSc Co-op Student (2002 – 2003)
4. Shelly Zubert (2001 – 2003)
5. Apoorva Balakrishnan (2008 – 2009)
6. Al-Naji Noor (2008 – 2009)
7. Daniel Bellan (2011 – 2013)
  - *B.Sc. Med Award Winner, Manitoba Medical Services Foundation*
  - *Best Cardiovascular Sciences Project*
  - *Best B.Sc. Med Project, Basic and Clinical Sciences*
8. Pegah Afsharihezhad (2014 – 2016)
  - *B.Sc. Med. Award Winner, Manitoba Medical Services Foundation*
  - *The Merck Sharp and Dhome Award for Best Basic Medical Sciences Project*
  - *Dr. Charles Schom Memorial Bursary Travel Award*
9. Jonathon Gerstein 2018 – 2019
  - *B.Sc. (Med) Student Joe Doupe Presenter Honour Award*
  - *Dr. Charles Schom Memorial Travel Bursary*
10. Shay Iskijaev (2020 – Present)

### **Research Assistants and Summer Students**

1. Pryan Thomas (1995 – 1996)
2. Steven Harrington (1995 – 1996)
3. Hui Zheng (1997 – 2001)
4. Mona Singal (1998 – 2000)
5. Christine Robinson (1999 – 2001)
6. Randy Mascharenius (2000 – 2001)
7. Joseph Bednarczyk (2001 – 2004)

8. Lauren Kravetsky (2002 – 2003)
9. Loren Barkley (2002 – 2004)
10. Irwin Edelynant (2002 – 2005)
11. Jennifer Nychyk (2004 – 2006)
12. Oskana Melnyk (2004 – 2008)
13. Ravi Jayas (2004 – 2009)
14. Allana Rosenfield (2005 – 2006)
15. Eytan Peral (2005 – 2006)
16. Brian Flynn (2005 – 2006)
17. Alexandra Cooper (2005 – 2008)
18. Danielle Weidman (2006 – 2008)
19. Steven Zamick (2008 – 2009)
20. Lindsey McDonald (2008 – 2009)
21. Chandni Singal (2009)
22. Josh Magnusson (2009)
23. Laura Zelzer (2009)
24. Matthew Katz (2009)
25. Vicky Margulets (2009)
26. Wenyang Li (2009)
27. Aaron MicFlikier (2009 – 2011)
28. Alexandra Rasnitsyn (2010)
29. Nicole Garcia (2010 – 2012)
30. Rahul Jayas (2010 – 2016)
31. Karan Singal (2010)
32. Melina Zylberman (2010)
33. Akash Sharma (2011)
34. Simon Wong (2011)
35. Jaclyn Rutherford (2011)
36. Matthew Guberman (2012)
37. Jonathon Gerstein (2012 – 2016)
38. Ambrosia Brunetta (2012)
39. Jordan Nelson (2013)
40. Alana Poon (2013)
41. Cynthia Khaper (2013)
42. Jill Ryplanski (2013)
43. Abhinav Dhingra (2011 – Present)
44. Ryan Cantor (2014)
45. Alexis Nemeth (2014 – 2018)
46. Pegah Afsharihezhad (2014)
47. Rahul Jayas (2014 – 2016)

48. Matthew Love (2015)
49. Jenny Myskiw (2015)
50. Hillary Nepon (2014 – 2017)
51. Juliana Loewen (2015)
52. Leah Bernhardt (2016)
53. Sarah London (2016 – 2017)
54. Justin Lieberman (2016 – 2018)
55. Sam Singer (2016 – 2019)
56. Shay Iskijaev (2016 – 2020)
57. Sam Wolfram (2017)
58. Irit Margulets (2017 – 2018)
59. Zeinab Roveimiab (2017)
60. Raya Margulets (2017 – 2020)
61. Camila Aprosoff (2017)
62. Kartik Vinayak (2017)
63. Illana Minuk (2017– 2019)
64. Lital Leitman (2017)
65. Graham Maddaford (2016 – 2017)
66. Brooke Lieberman (2017 – 2019)
67. Sydney Chochinov (2018 – 2019)
68. Maxine Jacobsohn (2018 – 2019)
69. Nicolas Madden (2018 – 2019)
70. Paige Morris (2017 – 2019)
71. Madyson Shauman (2018 – 2019)
72. Rachel Cogen (2020 – present)
73. Sonny Rothman (2021 – present)
74. Molly Crandall Red River Co-op Student (2021 – present)
75. Jenna Cross (2021 – present)
76. Amit Suharenko (2021 – present)
77. Bhavya Arora (2021– present)

### **School and University Student Science Project Supervision**

Abhinav Dhingra (April 2013)

**Project Title:** *Ellagic Acid Selectively Inhibits Cardiotoxic Effects of Chemotherapy Drug Doxorubicin*

- Best Overall Individual – Intermediate and Gold Medal, Manitoba Schools Science Symposium (MSSS)
- Special Award from Functional Foods, Richardson Centre, University of Manitoba
- Silver Medal Winner, Canada-Wide Science Fair (CWSF) (May 2013)

Rahul Jayas (September 2013)

**Project Title:** *Hypoxia Induces Mitochondrial Defects and Death of Cardiomyocytes*

- Best Health Sciences Project, Undergraduate Research Award program, University of Manitoba

**RESEARCH PUBLICATIONS**

1. **Kirshenbaum LA**, Sitar DS, Mathews SC and Tenenbein M. Whole-bowel irrigation versus activated charcoal in sorbitol for the ingestion of modified-release pharmaceuticals. *Clin Pharmacol Ther* 46:264-271; 1989.
2. **Kirshenbaum LA**, Gupta M, Thomas T and Singal PK. Antioxidant protection against adrenaline-induced arrhythmias in rats with chronic heart hypertrophy. *Can J Cardiol* 6: 71-74; 1990.
3. Singal PK and **Kirshenbaum LA**. A relative deficit in antioxidant reserve may contribute in cardiac failure. *Can J Cardiol* 6:47-49; 1990.
4. **Kirshenbaum LA**, Sitar DS, Mathews SC and Tenenbein M. Does multiple dose charcoal therapy enhance salicylate excretion? *Arch Intern Med* 150:1281-1283; 1990.
5. **Kirshenbaum LA**, Sitar DS and Tenenbein M. Interaction between whole bowel irrigation solution and activated charcoal: Implications for treatment of toxic ingestions. *Ann Emerg Med* 19:1129-1132; 1990.
6. Dhaliwal H, **Kirshenbaum LA**, Randhawa AK and Singal PK. Correlation between antioxidant changes during hypoxia and recovery on reoxygenation. *Am J Physiol* 261:H632-H638; 1991.
7. Chakravarti RN, **Kirshenbaum LA** and Singal PK, Atherosclerosis: Its pathophysiology with special reference to lipid peroxidation. *J Appl Cardiol* 6:91-112; 1991.
8. **Kirshenbaum LA**, Thomas TP, Randhawa AK and Singal PK, Time-course of cardiac myocyte injury due to oxidative stress. *Mol Cell Biochem* 111:25-31; 1992.
9. **Kirshenbaum LA** and Singal PK. Antioxidant changes in heart hypertrophy: Significance during hypoxia-reoxygenation injury. *Can J Physiol Pharmacol* 70:1330-1335; 1992.
10. **Kirshenbaum LA** and Singal PK. Changes in antioxidant enzymes in isolated cardiac myocytes subjected to hypoxia-reoxygenation. *Lab Invest* 67:796-803; 1992.
11. **Kirshenbaum LA** and Singal PK. Increase in endogenous antioxidant enzymes protects hearts against reperfusion injury. *Am J Physiol* 265:H484-H493; 1993.
12. **Kirshenbaum LA**, MacLellan WR, Mazur W, French BA and Schneider MD. Highly efficient gene transfer into adult ventricular myocytes by recombinant adenovirus. *J Clin Invest* 92:381-387; 1993.
13. Schneider MD, MacLellan WR, **Kirshenbaum LA** and Brand T. Molecular approaches to cardiac development and hypertrophy. *Tex Heart Inst J* 21:2-5; 1994.
14. Schneider MD, **Kirshenbaum LA**, Brand T and MacLellan WR. Control of cardiac gene transcription by fibroblast growth factors. *Mol Reprod Dev* 39:112-117; 1994.
15. **Kirshenbaum LA**, Angelides KA and Schneider MD. Images in cardiovascular medicine. Detection of exogenous gene expression in live adult ventricular myocytes following

- adenoviral gene transfer. *Circulation* 90:2124-2125; 1994.
16. Schneider MD, Abdellatif M, **Kirshenbaum LA**, MacLellan WR and Brand T. Regulatory circuits for myocardial hypertrophy. *Heart Failure* Aug/Sept: 166-176; 1994.
  17. **Kirshenbaum LA**, Hill M, and Singal PK. Endogenous antioxidants in isolated hypertrophied cardiac myocytes and hypoxia-reoxygenation injury. *J Mol Cell Cardiol* 27:263-272; 1995.
  18. **Kirshenbaum LA** and Schneider MD. Adenovirus E1A represses cardiac gene transcription and reactivates DNA synthesis in ventricular myocytes, via alternative pocket protein- and p300-binding domains. *J Biol Chem* 270:7791-7794; 1995.
  19. **Kirshenbaum LA** and Schneider MD. The cardiac cell cycle, pocket proteins, and p300. *Trends Cardiovasc Med* 5:230-235; 1995.
  20. Singal PK, Hill MF, Ganguly NK, Khaper N, **Kirshenbaum LA** and Pichardo J. Role of oxidative stress in heart failure subsequent to myocardial infarction. *L'information Cardiologique* 20:343-362; 1996.
  21. **Kirshenbaum LA**, Abdellatif M, Chakraborty S and Schneider MD. Human E2F-1 reactivates cell cycle progression in ventricular myocytes and represses cardiac gene transcription. *Dev Biol* 179:402-411; 1996.
  22. **Kirshenbaum LA**. Adenovirus mediated-gene transfer into cardiomyocytes. *Mol Cell Biochem* 172:13-21; 1997.
  23. **Kirshenbaum LA** and de Moissac D. Regulators of cardiac cell growth, differentiation and apoptosis. *Heart Failure Reviews* 2:117-124; 1997.
  24. **Kirshenbaum LA**, Agah R, Abdellatif M, Truong LD, Chakraborty S, Michael LH and Schneider MD. Adenoviral delivery of E2F-1 directs cell cycle re-entry and p53-independent apoptosis in postmitotic adult myocardium in vivo. *J Clin Invest* 100:2722-2728; 1997.
  25. **Kirshenbaum LA** and de Moissac D. The bcl-2 gene product prevents programmed cell death of ventricular myocytes. *Circulation* 96:1580-1585; 1997.
  26. **Kirshenbaum LA**. Regulators of apoptosis in the heart: A matter of life and death. *Can J Cardiol* 14:457-460; 1998.
  27. de Moissac D, Mustapha S, Greenberg AH and **Kirshenbaum LA**. Bcl-2 activates the transcription factor NF $\kappa$ B through the degradation of the cytoplasmic inhibitor I $\kappa$ B $\alpha$ . *J Biol Chem* 273:23946-23951; 1998.
  28. Kumar D, **Kirshenbaum LA**, Li T, Danelison I and Singal PK. Apoptosis in isolated adult cardiomyocytes exposed to adriamycin. *Ann N Y Acad Sci* 874:156-168; 1999.
  29. Regula K and **Kirshenbaum LA**. Apoptosis in ventricular myocytes: the role of tumor suppressor proteins. *Apoptosis* 4:227-232; 1999.
  30. Gurevich RM, Mustapha S and **Kirshenbaum LA**. Molecular mechanisms of apoptosis in heart failure. *Heart Failure Reviews* 4:157-163; 1999.
  31. de Moissac D, Zheng H and **Kirshenbaum LA**. Linkage of the BH4 domain of Bcl-2 and the nuclear factor  $\kappa$ B signaling pathway for suppression of apoptosis. *J Biol Chem* 274:29505-29509; 1999.

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34. **Kirshenbaum LA**. Bcl-2 intersects the NF $\kappa$ B signaling pathway and suppresses apoptosis in ventricular myocytes. *Clin Invest Med* 23:322-330; 2000.
35. Kumar D, **Kirshenbaum LA**, Li T, Danelisen I and Singal PK. Apoptosis in adriamycin cardiomyopathy and its modulation by probucol. *Antioxid Redox Signal* 3:135-145; 2001.
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38. Regula KM and **Kirshenbaum LA**. p53 activates the mitochondrial death pathway and apoptosis of ventricular myocytes independent of *de novo* gene transcription. *J Mol Cell Cardiol* 33:1435-1445; 2001.
39. Elmadhoun BM, Wang GQ, **Kirshenbaum LA** and Burczynski FJ. Palmitate uptake by neonatal rat myocytes and hepatocytes: Role of extracellular protein. *Eur J of Biochem* 268:3145-3153; 2001.
40. Gurevich RM, Regula KM and **Kirshenbaum LA**. Serpin protein CrmA suppresses hypoxia-mediated apoptosis of ventricular myocytes. *Circulation* 103:1984-1991; 2001.
41. **Kirshenbaum LA**. Death-defying pathways linking cell cycle and apoptosis. *Circ Res* 88:978-980; 2001.
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47. Regula KM, Ens K and **Kirshenbaum LA**. Mitochondria-assisted cell suicide: "a license to kill". *J Mol Cell Cardiol* 35:559-567; 2003.

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57. Regula, KM and **Kirshenbaum LA**. Apoptosis of ventricular myocytes: A means to an end. *J Mol Cell Cardiol* 38:3-13; 2005.
58. Baetz D, Shaw J and **Kirshenbaum LA**. Nuclear factor- $\kappa$ B decoys suppresses endotoxin-induced lung injury. *Mol Pharm* 67:977-979; 2005.
59. Saini H, Xu Y-J, Zhang M, Liu P, **Kirshenbaum LA** and Dhalla NS. Role of tumour necrosis factor-alpha and other cytokines in ischemia-reperfusion-induced injury in the heart. *Exp Cardiol* 10:213-222; 2005.
60. Baetz D, Regula KM, Ens, K, Shaw J, Kolthari S, Yurkova N and **Kirshenbaum LA**. NF-KB mediated cell survival involves transcriptional silencing of the mitochondrial death gene BNip3 in ventricular myocytes. *Circulation* 112:3777-3785; 2005.
61. Zebrowski DC, Alcendor RR, **Kirshenbaum LA** and Sadoshima J. Caspase-3 mediated cleavage of MEKK1 promotes p53 transcriptional activity. *J Mol Cell Cardiol* 40:605-618, 2006.
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63. Shaw J and **Kirshenbaum LA**. Prime time for JNK mediated Akt reactivation in hypoxia-reoxygenation. *Circ. Res* 98:7-9; 2006.
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65. Javadov S, Baetz D, Rajapurohitam V, Zeidan A, **Kirshenbaum LA** and Karmazyn M. Antihypertrophic effect of NHE-1 inhibition is mediated by reduced MAPK activation secondary to improved mitochondrial integrity and decreased generation of mitochondrial-derived reactive oxygen species. *J Pharmacol Exp Ther* 317:1036-1043; 2006.
66. Rajapurohitam V, Javadov S, Purdham DM, **Kirshenbaum LA** and Karmazyn, M. An autocrine role for leptin in mediating the cardiomyocyte hypertrophic effects of angiotensin II and endothelin-1. *J Mol Cell Cardiol* 41: 265-274; 2006.
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