

Johnathan David Tune, PhD, FAHA, FCVS

Professor

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 Indiana University School of Medicine
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EDUCATION:

University of North Texas	B.A. Biology	1990-1994
University of North Texas Health Science Center	Ph.D. Physiology	1994-1997
University of Washington School of Medicine	Post-Doctoral Fellowship	1997-2000

ACADEMIC APPOINTMENTS:

University of North Texas Health Science Center	Research Assistant Professor	2000-2002
University of North Texas Health Science Center	Assistant Professor	2002-2003
LSU Health Science Center School of Medicine	Assistant Professor	2003-2006
Indiana University School of Medicine	Associate Professor (tenure 2012)	2006-2014
Indiana University School of Medicine	Professor	2014-present

PROFESSIONAL ORGANIZATIONS MEMBERSHIPS:

American Physiological Society	1999-present
American Heart Association	1999-present
Microcirculatory Society	2000-present
Experimental Biology and Medicine	2000-present

PROFESSIONAL HONORS AND AWARDS:

Teaching

Outstanding Faculty Lecturer – Univ. North Tex. Hlth. Sci. Ctr. 1 st Year Medical Class	2003
Trustee Teaching Award Indiana University School of Medicine	2010
Trustee Teaching Award Indiana University School of Medicine	2013
Trustee Teaching Award Indiana University School of Medicine	2014
Trustee Teaching Award Indiana University School of Medicine	2015
Trustee Teaching Award Indiana University School of Medicine	2017
Indiana University School of Medicine Exemplar of Professionalism Honor Role	2017

Research

Fellow, American Heart Association (<i>Arterioscler Thromb Vasc Biol Section</i>)	2011
Fellow, American Physiological Society (<i>Cardiovascular Section</i>)	2011
American Physiological Society - Henry Pickering Bowditch Award Lectureship	2013

Other

Received Outstanding Graduate Student in Department of Integrative Physiology	1996
Elected Vice President of UNTHSC Graduate Student Association	1996
Who's Who Among American Colleges and Universities	1997
Elected President of UNTHSC Graduate Student Association	1997
Outstanding Graduate Student in Department of Integrative Physiology	1997
Outstanding Graduate Student in Graduate School of Biomedical Sciences	1997
Outstanding Graduate Award in Graduate School of Biomedical Sciences	1998

TEACHING ASSIGNMENTS:***University of North Texas Health Science Center***

<i>Course #</i>	<i>Title</i>	<i>Format</i>	<i>Role</i>	<i>Term</i>	<i>Contact Hours</i>
PSIO 5100	Cardiovascular Physiology	Lecture	Lecturer	Fall 2000	5 hours
CARD 9210	Cardiopulmonary Physiol.	Lecture	Lecturer	Spr 2001	4 hours
CVPL 9215	Cardiopulmonary Physiol.	Lecture	Lecturer	Spr 2002	15 hours
PSIO 5100	Cardiovascular Physiology	Lecture	Lecturer	Fall 2002	12 hours
RESP 9340	Respiratory System 2	Lecture	Lecturer	Fall 2002	3 hours
PA 4104	Basic Human Sciences	Lecture	Lecturer	Fall 2002	8 hours
CVPL 9215	Cardiopulmonary Physiol.	Lecture	Lecturer	Spr 2003	20 hours

Louisiana State University Health Sciences Center

<i>Course #</i>	<i>Title</i>	<i>Format</i>	<i>Role</i>	<i>Term</i>	<i>Contact Hours</i>
Physiol. 212	Cardiovascular Physiol.	Lecture	Lecturer	Fall 2004	8 hours
HS 2410	Nursing Physiology	Lecture	Lecturer	Fall 2004	12 hours
HS 2410	Nursing Physiology	Lecture	Lecturer	Spr 2005	16 hours
HS 2410	Nursing Physiology	Lecture	Lecturer	Fall 2005	15 hours
HLSC 3410	Nursing Pathophysiology	Lecture	Lecturer	Fall 2005	4 hours

Indiana University School of Medicine

<i>Course #</i>	<i>Title</i>	<i>Format</i>	<i>Role</i>	<i>Term</i>	<i>Contact Hours</i>
X604	Concepts Hlth & Disease	Small group PBL	Facilitator	Fall 2006	20 hours
F715	Coronary Physiology	Lecture	Director/Lect	Spr 2007	12 hours
X604	Concepts Hlth & Disease	Small group PBL	Facilitator	Fall 2007	20 hours
G727	Anim. Models of Disease	Lecture	Lecturer	Spr 2008	1.5 hours
F715	Coronary Physiology	Lecture	Director/Lect	Spr 2008	16 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2008	4 hours
X604	Concepts Hlth & Disease	Small group PBL	Facilitator	Fall 2008	20 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2009	4 hours
X604	Concepts Hlth & Disease	Small group PBL	Facilitator	Fall 2009	20 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2010	8 hours
F715	Coronary Physiology	Lecture	Director/Lect	Spr 2010	12 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2010	13 hours
X604	Clinical Problem Solving	Small group PBL	Facilitator	Fall 2010	20 hours
G830	Adv Cardiovasc Physiol	Lecture	Director/Lect	Fall 2010	36 hours
G831	Concepts & Controversies	Discussion	Facilitator	Fall 2010	20 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2011	7 hours
F715	Coronary Physiology	Lecture	Director/Lect	Spr 2011	12 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2011	13 hours
G727	Anim. Models of Disease	Lecture	Lecturer	Spr 2011	1.5 hours
X604	Clinical Problem Solving	Small group PBL	Facilitator	Fall 2011	15 hours
G831	Concepts & Controversies	Discussion	Facilitator	Fall 2011	20 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2012	7 hours
G703	Coronary Physiology	Lecture	Director/Lect	Spr 2012	12 hours

Curriculum Vitae

Tune, Johnathan D., Ph.D.

F513	Medical Physiology	Lecture	Lecturer	Spr 2012	13 hours
G727	Anim. Models of Disease	Lecture	Lecturer	Spr 2012	1.5 hours
X604	Clinical Problem Solving	Small group PBL	Facilitator	Fall 2012	20 hours
G830	Adv Cardiovasc Physiol	Lecture	Director/Lect	Fall 2012	24 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2013	14 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2013	27 hours
F780	Sp Topics in Physiol	Small group	Facilitator	Spr 2013	10 hours
G727	Anim. Models of Disease	Lecture	Lecturer	Spr 2013	1.5 hours
X604	Clinical Problem Solving	Small group PBL	Facilitator	Fall 2013	20 hours
G831	Concepts & Controversies	Discussion	Facilitator	Fall 2013	20 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2014	14 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2014	27 hours
G727	Anim. Models of Disease	Lecture	Lecturer	Spr 2014	1.5 hours
G703	Coronary Physiology	Lecture	Director/Lect	Spr 2014	12 hours
G830	Adv Cardiovasc Physiol	Lecture	Director/Lect	Fall 2014	30 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2015	8 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2015	27 hours
G831	Concepts & Controversies	Discussion	Facilitator	Fall 2015	4 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2016	6 hours
F513	Medical Physiology	Lecture	Lecturer	Spr 2016	30 hours
G703	Coronary Physiology	Lecture	Director/Lect	Spr 2016	12 hours
G830	Adv Cardiovasc Physiol	Lecture	Director/Lect	Fall 2016	30 hours
G717	Biomedical Science III	Lecture	Lecturer	Fall 2016	1 hour
G715	Biomedical Science II	Lecture	Lecturer	Fall 2016	1 hour
F513	Fundamentals Hlth & Dis	Lecture	Lecturer	Spr 2017	33 hours
G735	Cardio, Renal & Resp.	Lecture	Director/Lect	Spr 2017	5 hours
-----	Cardiovasc & Hem UDOS	Lecture	Lecture/Fac	Fall 2017	22 hours
G717	Biomedical Science III	Lecture	Lecturer	Fall 2017	1 hour
G715	Biomedical Science II	Lecture	Lecturer	Fall 2017	1 hour
-----	Renal & Respiratory UDOS	Lecture	Lecture/Fac	Fall 2017	7 hours
F603	Integrated Medical Physiol	Lecture	Lecture	Spr 2018	10.5 hours
F513	Fundamentals Hlth & Dis	Lecture	Lecturer	Spr 2017	33 hours

MENTORING:**Post-Doctoral Fellows**

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Wei Sun, MD	Advisor/Mentor	2001-2003
Srinath V. Setty, PhD.	Advisor/Mentor	2002-2003
Deniz Dincer, MD, PhD	Advisor/Mentor	2004-2005
Martin Farias, PhD	Advisor/Mentor	2005
Ian Bratz, PhD	Advisor/Mentor	2004-2007
Adam Goodwill, PhD	Advisor/Mentor	2011-2015

Graduate Students

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
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Curriculum Vitae

Tune, Johnathan D., Ph.D.

Jarrold D. Knudson, MD, PhD	Advisor/Mentor	2003-2005
Lena Borbouse, PhD	Advisor/Mentor	2005-2008
Gregory A. Payne, MD, PhD	Advisor/Mentor	2007-2010
Michelle Kurian, MS	Advisor/Mentor	2009-2010
Robert L. French, MS	Advisor/Mentor	2010-2011
Zachary Berwick, PhD	Advisor/Mentor	2009-2012
Steve Moberly, MD, PhD	Advisor/Mentor	2010-2012
Eli Casalini, MS	Advisor/Mentor	2011-2012
Nicholas Fisher, MS	Advisor/Mentor	2011-2012
Meredith Kohr Owen, PhD	Advisor/Mentor	2009-2013
Kara Bagley, MS	Advisor/Mentor	2012-2013
Jonathon Friedl, MS	Advisor/Mentor	2012-2013
Jillian Noblet, PhD	Advisor/Mentor	2013-2016
Daniel Sassoon, MD, PhD	Advisor/Mentor	2013-2016
Alex Kiel (MD, PhD student)	Advisor/Mentor	2015-present
Hana Baker (PhD student)	Advisor/Mentor	2017-present

Graduate Student Advisory Committees

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Rowen Campbell, PhD	Advisory Committee	2000-2002
Treva L. Armstrong, MS	Advisory Committee	2001-2002
Rodolfo Martinez, MS	Advisory Committee	2002-2003
Xavier Aranda, MS	Advisory Committee	2002-2003
Joseph Cooksley, MS	Advisory Committee	2002-2003
Marty Knott, DO/PhD	Advisory Committee	2003-2005
Yanhua Zhang, MS	Advisory Committee	2007-2008
Xin Long, PhD	Advisory Committee	2004-2010
Zachary Neeb, PhD	Advisory Committee	2006-2010
Sally Head, MD/PhD	Advisory Committee	2009-2011
William Roell, PhD	Advisory Committee	2005-2014
Meng Chen, PhD	Advisory Committee	2008-2013
Mikaela McKenney PhD	Advisory Committee	2010-2014
Ray Chihara, MD, PhD	Advisory Committee	2011-2013
Xin Tong PhD	Advisory Committee	2011-2016
Andrew Lutkewitte PhD	Advisory Committee	2011-2016
Stacey Dineen PhD	Advisory Committee	2013-2016
Cassandra Palmer PhD	Advisory Committee	2013-2017
Naomie Olivos (PhD student)	Advisory Committee	2014-2016
Amanda Stram, MD, PhD	Advisory Committee	2014-2017
April Barnard (PhD student)	Advisory Committee	2016-2017
Jamel Dobbs, (PhD student)	Advisory Committee	2016-2017
Mohammad Aref (MD, PhD student)	Advisory Committee	2016-present
Gurneet Sangha (PhD student)	Advisory Committee	2016-present
Sudhanshu Kumar (PhD student)	Advisory Committee	2017-present

Research Training of Medical Students

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Nancy Kragt	Advisor/Mentor	2001
Eric Lincoln	Advisor/Mentor	2002
Michael Morris	Advisor/Mentor	2005
Jeremy James	Advisor/Mentor	2005
Brandon Lynch	Advisor/Mentor	2009
Matthew Rybka	Advisor/Mentor	2010

Curriculum Vitae		Tune, Johnathan D., Ph.D.
Ethan Morriral	Advisor/Mentor	2011
Eric Shin	Advisor/Mentor	2011-2012
Kashyap Shatagopam	Advisor/Mentor	2012
Mickey Eagleson	Advisor/Mentor	2014
Anna Filley	Advisor/Mentor	2015

Research Training of Undergraduate Students (NIH T35 HL007802)

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Shelby Brooks	Advisor/Mentor	2008
Ashley Curry	Advisor/Mentor	2008
Nate Mensah	Advisor/Mentor	2008 and 2009
Sajel Kumar	Advisor/Mentor	2009
Brittany Guy	Advisor/Mentor	2009

Research Training of High School Students (Project SEED)

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Jacob Burton-Edward	Advisor/Mentor	2010
Micah Brown	Advisor/Mentor	2011
Carmen Hu	Advisor/Mentor	2012
Luke Schepers	Advisor/Mentor	2014 and 2015
Christopher Basile	Advisor/Mentor	2016 and 2017
Mitchell Jacob	Advisor/Mentor	2017

Research Training of Science Teachers (American Physiological Society Frontiers Program)

<i>Individual</i>	<i>Role</i>	<i>Inclusive Dates</i>
Rebecca Krenzke	Advisor/Mentor	2012

GRANTS AND FELLOWSHIPS IN RESEARCH:

Active Research Grants

<i>Title</i>	<i>Agency</i>	<i>Role</i>	<i>% Effort</i>	<i>Amount</i>	<i>Dates</i>
<i>CV effects of GLP1</i>	NIH HL117620	PI/MPI	30%	\$2,085,505	2/1/2013-1/31/2018
<i>Cor blood flow: Int Theory</i>	NIH HL118738	Co-I	20%	\$2,475,417	9/1/2013-8/31/2018
<i>Short term training program</i>	NIH HL110854	PI/MPI	20%	\$1,211,500	3/1/2017-2/28/2022

Pending Research Grants

<i>Title</i>	<i>Agency</i>	<i>Role</i>	<i>% Effort</i>	<i>Amount</i>	<i>Dates</i>
Mineralocorticoid receptor...	NIH HL136386	Co-I	10%	\$274,087	At Council (7 th percentile)

Completed Research Grants

<i>Title</i>	<i>Agency</i>	<i>Role</i>	<i>% Effort</i>	<i>Amount</i>	<i>Dates</i>
<i>Mech impaired flow control</i>	Am Diabetes	PI	70%	\$399,988	2001-2004
<i>Mech coronary dysfunction</i>	Am Heart	PI	N/A	\$124,000	2002-2003
<i>Pulm function pneumothor</i>	Atrium Med	PI	10%	\$17,160	2003
<i>Pyruvate in CPR</i>	NIH HL071684	Co-I	5%	\$250,000	2003
<i>Mech RV O₂ balance</i>	NIH HL64785	Co-I	10%	\$250,000	2003
<i>Coronary dys in obesity</i>	NIH HL67804	PI	20%	\$1,000,000	2003-2007
<i>Microcirc dynamics</i>	NIH HL032788	Co-I	5%	\$250,000	2005
<i>Coronary dys in obesity</i>	IURSFG	PI	25%	\$35,000	2008-2009
<i>Coronary K⁺ channel dys</i>	IU For Fry	PI	10%	\$35,000	2008-2009
<i>Coronary BK channel dys</i>	Am Heart	Sponsor	N/A	\$52,000	2008-2009
<i>Perivasc adipose</i>	NIH-F31	Sponsor	N/A	\$31,760	2010-2011
<i>Ca_v1.2 channel dysfunct</i>	Am Heart	Sponsor	N/A	\$52,000	2010-2012

Curriculum Vitae

Tune, Johnathan D., Ph.D.

<i>Met modulation ischemia</i>	Eli Lilly & Co	PI	10%	\$268,051	2011
<i>Adult derived stem cells</i>	AMA	Sponsor	N/A	\$3,000	2011-2012
<i>Perivasc adipose-leptin</i>	IU CTSI	PI	10%	\$75,000	2011-2012
<i>Effect of apelin-pig</i>	Eli Lilly & Co.	PI	5%	\$59,663	2012
<i>Effect of apelin-dog</i>	Eli Lilly & Co.	PI	5%	\$81,313	2012-2013
<i>Cor microvasc dysfunction</i>	NIH HL092245	PI	50%	\$1,000,000	2010-2014
<i>CV effects of GLP1</i>	NIHHL117620S1	PI/MPI	N/A	\$150,127	2013-2014
<i>Epicardial fat and CAD</i>	Cardiomet Dis	Co-I	5%	\$331,556	2013-2014
<i>Anti-diabetic islet function</i>	IUCRG	PI/MPI	N/A	\$72,500	2014-2015
<i>CTSI Pre-doc Fellowship</i>	NIH TR000162	Sponsor	N/A	\$49,000	2013-2015
<i>CV protection – apelin</i>	Am Heart	Sponsor	N/A	\$90,772	2013-2015
<i>Perivascular adipose</i>	IUSM CECARE	PI	5%	\$117,954	2013-2015
<i>TRPC channels in MetS</i>	NIH HL115140	Co-I	5%	\$1,785,472	2012-2017
<i>CTSI Pre-doc Fellowship</i>	NIH TR000162	Sponsor	N/A	\$49,000	2014-2016

Invited Research Presentations

LOCAL

<i>Title</i>	<i>Organization</i>	<i>Date</i>
<i>Cor dysfunction in obesity/insulin resistance</i>	Eli Lilly Pharmaceutical Company	2006
<i>Cor dysfunction in obesity/insulin resistance</i>	Center for Diabetes Research, IUSM	2008
<i>Cor dysfunction in obesity/insulin resistance</i>	Endocrine Research Conference, IUSM	2008
<i>Cor dysfunction in obesity/insulin resistance</i>	Krannert Institute of Cardiology, IUSM	2009
<i>Pathophysiologic causes of hypoxemia</i>	Pediatric Pulmonology – Riley Hospital	2013
<i>Cardiac & Metabolic effects of GLP-1</i>	Endocrine Research Conference	2013
<i>Cardiac & Metabolic effects of GLP-1</i>	Riley Heart Research Center	2014

NATIONAL

<i>Title</i>	<i>Organization</i>	<i>Date</i>
<i>Control of coronary blood flow</i>	American Heart Assoc Meeting	1999
<i>Effects of diabetes on coronary circulation</i>	Texas A&M University	2002
<i>Effects of diabetes on coronary circulation</i>	LSU Health Science Center	2003
<i>Effects of diabetes on coronary circulation</i>	Microcirculatory Soc Young Investigator	2003
<i>Cor dysfunction in obesity and diabetes</i>	Experimental Biol. Meeting	2003
<i>Cor dysfunction in obesity and diabetes</i>	American Heart Assoc Meeting	2004
<i>Control of coronary blood flow</i>	American Heart Assoc Meeting	2005
<i>Cor dysfunction in obesity/insulin resistance</i>	Indiana University School of Medicine	2005
Chair – Featured Topic Session	Experimental Biol. Meeting	2006
Chair – Featured Research Symposium	American Heart Assoc Meeting	2006
Keynote address <i>Control coronary flow</i>	UNTHSC Research Appreciation Day	2007
<i>Cor dysfunction in obesity/insulin resistance</i>	American Heart Assoc Meeting	2007
Chair – Featured Topic Session	Experimental Biol. Meeting	2008
<i>Cor dysfunction in obesity/insulin resistance</i>	University of Mississippi Medical Center	2008
<i>Cor dysfunction in obesity/insulin resistance</i>	Medical College of Georgia	2008
<i>Cor dysfunction in obesity/insulin resistance</i>	University of Missouri	2009
<i>Cor dysfunction in obesity/insulin resistance</i>	West Virginia Univ School of Medicine	2010
<i>Cor dysfunction in obesity/insulin resistance</i>	American Heart Assoc Meeting	2010
Chair – Featured Research Symposium	American Heart Assoc Meeting	2010
<i>Cor dysfunction in obesity/insulin resistance</i>	American College of Sports Medicine	2011
<i>Cor dysfunction in obesity/insulin resistance</i>	Wayne State University School of Med	2011
<i>Cor dysfunction in obesity/insulin resistance</i>	American Heart Assoc Meeting	2011
<i>Cor dysfunction in obesity/insulin resistance</i>	Tulane University School of Medicine	2012
Chair – Microcirc Soc Young Invest Symposium	Experimental Biol. Meeting	2012
<i>Cor dysfunction in obesity/insulin resistance</i>	Northeast Ohio Medical University	2012

Curriculum Vitae

Tune, Johnathan D., Ph.D.

<i>Henry Pickering Bowditch Award Lecture</i>	Experimental Biol. Meeting	2013
<i>Impaired control coronary flow in obesity</i>	Experimental Biol. Meeting	2013
<i>Cor dysfunction in obesity/insulin resistance</i>	LSU Health Sci Center-Shreveport	2013
<i>Cor dysfunction in obesity/insulin resistance</i>	University of Minnesota	2013
<i>Cardiac & metabolic effects of GLP-1</i>	University of Mississippi Med Ctr	2014
<i>Myocardial oxygen supply/demand balance</i>	University of North Texas Hlth Sci Ctr	2014
<i>Myocardial oxygen supply/demand balance</i>	University of Virginia	2014
<i>Adipocyte effects on the cardiovascular system</i>	University of Illinois-Chicago	2014
<i>Perivascular adipose tissue & coronary disease</i>	American Heart Assoc Meeting	2014
<i>Myocardial oxygen supply/demand balance</i>	University of Calgary	2014
<i>Heart of the matter: coronary vasc disease</i>	University of Nebraska Med Ctr	2015
<i>Heart of the matter: coronary vasc disease</i>	University of Louisville	2016
<i>Cardiovascular effects of GLP-1 in obesity</i>	University of Missouri	2017

INTERNATIONAL

<i>Title</i>	<i>Organization</i>	<i>Date</i>
Control of coronary flow during hypoxemia	International Hypoxia Symposium	2007

SERVICE:**University Service****DEPARTMENTAL**

<i>Activity</i>	<i>Role</i>	<i>Date</i>
LSUHSC Grad Student Adv Committee	Member	2004-2006
Cell & Int Physiol Grad Student Cmt	Member	2006-present
Cell & Int Physiology Graduate Advisor	Advisor	2011-present
Cell & Int Physiol Faculty Search Cmt	Member	2013

SCHOOL

<i>Activity</i>	<i>Role</i>	<i>Date</i>
IUSM (IBMG) Admissions Committee	Member	2011-2012
IUSM Trustee Teaching Awards Cmt	Member	2012
Transforming Research Initiative Cmt	Member	2012
IUSM MD-PhD Admissions Committee	Member	2012-present
IBMG Oversight Committee	Member	2012-2017
IBMG Curriculum Committee	Member	2012-2016
CTSI Peer Review & Mentoring Cmt	Member	2014-present
IUSM Institutional Animal Care & Use Cmt	Alternate Member	2015-present
CTSI I3 Program	Mentor	2017-present
Cardiovasc & Hematol UDOS Impl Team	Member	2017-present
IUSM Misconduct Inquiry Committee	Member	2017
IUSM Strategic Planning Committee	Member	2017-present
Search Committee: EAD of Education	Member	2017-present
Student Promotions Committee	Member	2017-present

UNIVERSITY

<i>Activity</i>	<i>Role</i>	<i>Date</i>
UNTHSC Graduate Council	Member	1996-1997
LSUHSC Graduate Advisory Council	Member	2005
IUPUI Graduate Affairs Committee	Member	2011

Professional Service**NATIONAL**

<i>Organization</i>	<i>Activity</i>	<i>Inclusive Dates</i>
Am Heart Assoc, Western Consort (2A)	Grant Reviewer	2002-2003
NIH/NHLBI CVB study section (<i>Ad hoc</i>)	Grant Reviewer	2003
NIH/NHLBI CICS study section (<i>Ad hoc</i>)	Grant Reviewer	2004-2005
Am Heart Assoc, Southern Consort (3A)	Grant Reviewer	2004
<i>Microcirculation</i>	Editorial Board	2004-present
Am. Heart Assoc. (National) Vasc. Biol	Grant Reviewer	2006-2007
<i>Am J Physiol Heart Circ Physiology</i>	Editorial Board	2006-present
NIH/NHLBI Vascular Biology SEP	Grant Reviewer	2007
Am Phys Soc Animal Care Committee	Member	2007-2010
<i>Experimental Biology & Medicine</i>	Editorial Board	2007-2013
NIH/NHLBI HM study section (<i>Ad hoc</i>)	Grant Reviewer	2008-2010
Am. Heart Assoc. (National) Vasc. Biol	Grant Reviewer & Co-Chair	2009-2010
NIH/NHLBI HM study section	Grant Reviewer (<i>Regular member</i>)	2009-2013
Am Phys Soc CV Nominating Cmt	Member	2010-2014
Society for Experimental Biology & Med	Councilor	2010-2013
Microcirculatory Soc Publications Cmt	Member	2011-2014
<i>Circulation Research</i>	Editorial Board	2011-present
<i>Basic Research in Cardiology</i>	Editorial Board	2012-present
Am Phys Soc CV Nominating Cmt	Committee Chair	2012-2015
Am Phys Soc CV Steering Committee	Member	2012-present
Am Heart Assoc ATVB Programming Cmt	Member	2012-2015
NIH Special Emphasis Panel (ZRG1 VH-J)	Grant Reviewer	2013
NIH/NHLBI HM study section (<i>Ad hoc</i>)	Grant Reviewer	2015
Am Phys Soc Joint Programming Cmt	CV Section Co-Chair	2015-present
NIGMS COBRE Review Panel	Reviewer	2016
<i>International Journal of Cardiology</i>	Editorial Board	2016-present
NIGMS SCORE Review Panel	Reviewer	2017

Ad-Hoc Reviewer for Scientific Journals

Advances in Physiology Education
American Journal of Physiology Regulatory, Integrative and Comparative
Atherosclerosis
Arteriosclerosis, Thrombosis, and Vascular Biology
British Journal of Pharmacology
Cardiovascular Research
Cardiovascular Diabetology
Circulation
Diabetes
Diabetologia
European Journal of Pharmacology
Hypertension
International Journal of Cardiology
Journal of Applied Physiology
Journal of Cellular and Molecular Medicine
Journal of Physiology
Journal of Vascular Research
Nature Reviews-Cardiology
Physiological Genomics
Physiological Reviews

PUBLICATIONS:Peer-Reviewed Research Articles

1. Yu Y, **Tune JD**, Downey HF. Elevated right atrial pressure does not reduce collateral blood flow to ischemic myocardium. *Am. J. Physiol. Heart Circ. Physiol.* 274: H2296-H2303, 1997.
2. **Tune JD**, Mallet RT, Downey HF. Insulin improves contractile function during moderate ischemia in canine left ventricle. *Am. J. Physiol. Heart Circ. Physiol.* 275: H1574-H1581, 1998.
3. **Tune JD**, Mallet RT, Downey HF. Insulin improves cardiac contractile function and oxygen utilization efficiency during moderate ischemia without compromising myocardial energetics. *J. Mol. Cell Cardiol.* 30: 2025-2035, 1998.
4. Richmond KN, **Tune JD**, Gorman MW, Feigl EO. Role of K⁺_{ATP} channels in local metabolic coronary vasodilation. *Am. J. Physiol. Heart Circ. Physiol.* 277: H2115-H2123, 1999.
5. **Tune JD**, Richmond KN, Gorman MW, Olsson RA, Feigl EO. Adenosine is not responsible for local metabolic control of coronary blood flow in dogs during exercise. *Am. J. Physiol. Heart Circ. Physiol.* 278: H74-H84, 2000.
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7. Richmond KN, **Tune JD**, Gorman MW, Feigl EO. Role of K⁺_{ATP} channels and adenosine in the control of coronary blood flow during exercise. *J. Appl. Physiol.* 89: 529-536, 2000.
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