

Table 8A. Program Outcomes: Predoctoral**Part I. Those Appointed to the Training Grant**

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/Year Awarded
Burke, Marilyn	Roman, Richard	9/20/10	TY1	PhD, 2013	The Genetic Basis and Mechanisms of Renal Myogenic Response in FHH rats	Graduate Assistant UMMC	Postdoctoral Fellow Cell and Molecular Biology , UMMC	American Heart Fellowship NIH F32 2011 Postdoctoral Fellow Cell and Molecular Biology , UMMC
Johnson, Jeremy	Alexander, Barbara	9/20/10	TY1	MS, 2010	Looking at effects of mismatch of pre and postnatal nutrition on later cardiovascular risk	Graduate Assistant UMMC	Registered Nurse, UMMC	
Clemmer, John	Hester, Robert	12/1/10	TY1 TY2 TY3	PhD, 2015	The project goals are to determine mechanisms by which exercise improves vascular responses in obesity.	Graduate Assistant UMMC	Instructor, Physiology, UMMC	AHA Postdoctoral Fellowship 2017
Esters, Joyee	Lohmeier, Thomas	7/10/11	TY2 TY3	MS, 2012	Developmental programming of cardiovascular risk.	Graduate Assistant UMMC	Masters of Public Health in Public Education Program, USM for the fall class 2013	
Harmon, Ashlyn	LaMarca, Babbette	9/01/11	TY2 TY3 TY4	PhD, 2015	Identifying Genetic Variants Causative of Increased Renal Disease in the S.SHR(11) Congenic Model".	Graduate Assistant UMMC	Postdoctoral Research Fellow, Vet Medicine Louisiana State University	NIH Superfund Research Grant / Research Assistant Professor
Gomolak, Jessica	Didion, Sean	1/06/13	TY3 TY4	PhD, 2014	Molecular Mechanisms of Hypertension in Microcirculation	Graduate Assistant UMMC	Assistant Professor, Biology, University of North Georgia	Teaching Position

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Gillis, Ellen	Sasser, Jennifer	12/01/13	TY4 TY5	PhD, 2015	Elucidating mechanisms responsible for the pathogenesis of preeclampsia using the Dahl salt sensitive (S) rat as a novel model of preeclampsia	Graduate Assistant UMMC	Postdoctoral Fellow, Physiology, Augusta University	American Heart Fellowship 2015
Faulkner, Jessica	LaMarca, Babbette	9/01/14	TY5 TY6	PhD, 2015	The effect of Vitamin D supplementation to improve pathophysiology associated with preeclampsia or hypertension during pregnancy	Graduate Assistant UMMC	Postdoctoral Fellow, Physiology, Augusta University	NIH F32 2013
Wolf, Victoria	Ryan, Michael	9/01/14	TY5 TY6 TY7	In Training	Cardiovascular regulation during autoimmunity by estrogens	Graduate Assistant UMMC	Graduate Assistant UMMC	Applied for a AHA pre-doctoral fellowship
Dasinger, John Henry	Alexander, Barbara	1/01/15	TY5	PhD, 2016	Sex differences in cardiovascular aging following a developmental insult	Graduate Assistant UMMC	Postdoctoral Research Fellow, Medical College of Wisconsin (to begin in June 2016)	American Heart Fellowship 2017
Newsome, Ashley	Alexander, Barbara	9/01/15	TY6 TY7	In Training / Taken off Grant	Low Birth Weight, Blood Pressure, and Kidney Disease	Graduate Assistant UMMC	Graduate Assistant UMMC	NIH F30 2017
Eddy, Adrian	Ryan, Michael	3/13/16	TY6 TY7 TY8	In Training	Development of a therapeutic agent for preeclampsia	Graduate Assistant UMMC	Graduate Assistant UMMC	AHA Fellowship 2018
Davis, Gwendolyn	Alexander, Barbara	10/9/16	TY7 TY8	In Training	Increased Blood Pressure in the Aging IUGR Female Rat	Graduate Assistant UMMC	Graduate Assistant UMMC	AHA Fellowship 2018

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Maeda, Kenji	Sasser, Jennifer	9/1/17	TY8	In Training	"Cerebral Vasculature Changes in the Dahl Salt Sensitive Rat Model of Spontaneous Superimposed Preeclampsia"	Graduate Assistant UMMC	Graduate Assistant UMMC	Applied for a AHA pre-doctoral fellowship
Erika Guise	Alejandro Chade	9/9/18	TY8	In Training	Renal angioplasty and therapeutic angiogenesis for renovascular hypertension	Graduate Assistant UMMC	Graduate Assistant UMMC	AHA Fellowship 2018

Part II. Those Clearly Associated with the Training Grant

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/ Year Awarded
Dent, Elena	Ryan, Michael	2015	Graduate Student Stipend AHA Fellowship	MS, 2008	Diabetes Education	Graduate Student	Graduate Student	AHA Fellowship 2018
Turbeville, Hannah	Sasser, Jennifer	2014	Graduate Student Stipend AHA Fellowship	BS, 2013	long term effects of preeclampsia on the cardiovascular and renal health of the mother and her offspring	Graduate Student	MD/PhD Graduate Student	NIH F30 2018
Younes, Subhi Talal	Ryan, Michael	2015	Graduate Student Stipend AHA Fellowship	BS, 2013	The etiological and pathophysiological underpinnings of preeclampsia	Graduate Student	MD/PhD Graduate Student	AHA Fellowship 2018

Part III. Recent Graduates (Only for New Applications and for Postdoctoral Renewal/Revision Applications Requesting an Expansion for Predoctoral Support)

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/Year Awarded
n/a								

Part IV. Program Statistics

Percentage of Trainees Entering Graduate School 10 Years Ago Who Completed the PhD	Average Time to PhD for Trainees in the Last 10 years
77.7%	4.6 years

Table 8C: Program Outcomes: Postdoctoral**Part I. Those Appointed to the Training Grant**

Trainee	Doctoral Degree(s) and Year(s)	Faculty Member	Start Date	Summary of Support During Training	Degree(s) Resulting from Postdoctoral Training and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/Role/Year Awarded
George, Eric	PhD, 2010	Granger, Joey	9/20/2010	TY 1: HL T32	none	Hypertension, The Kidney and Pregnancy	Postdoctoral Research Fellow	Assistant Professor, Physiology, UMMC Research-Intensive	NIH K99-R00/PI/2014 NIH R01 2016
Murphy, Sydney	PhD, 2010	Roman, Richard	9/20/2010	TY 1: HL T32	none	CYP Metabolites, Hypertension, and Renal Disease	Postdoctoral Research Fellow	Assistant Dean, School of Graduate Studies, UMMC Research-Related	American Heart Association 2014
Pruett, Drew	PhD, 2010	Hester, Robert	9/20/2010	TY 1: HL T32 TY 2: HL T32	none	Modeling and Simulation of Complex Systems	Postdoctoral Research Fellow	Instructor, Physiology, UMMC Research-Intensive	SBIR Grant / FDA
Wallace, Kedra	PhD, 2010	LaMarca, Babbette	9/20/2010	TY 1: HL T32 TY 2: HL T32	none	The role of T lymphocytes in mediating hypertension during pregnancy	Postdoctoral Research Fellow	Assistant Professor, OB/GYN, UMMC Research -Intensive	F32/PI/2012 Other Source – Duke PI, 2014 Univ Alabama C/SOAP trial
Hosick, Peter	PhD, 2011	Stec, David	9/01/2011	TY 2: HL T32 TY 3: HL T32	none	Heme-oxygenase and its metabolites in hypertension and obesity	Postdoctoral Research Fellow	Assistant Professor, Allied Health Science, Diabetology, Nutrition and Dietetics, Montclair State University Research-Related	NIH F32 2013
Morris, Michael	MD, 2011	Liechty, Kenneth	7/11/2012	TY 2: HL T32 TY 3: HL T32	none	The Role of Inflammation & Oxidative Stress in Fetal Cardiac Regeneration	House Officer, Surgery, UMMC	Assistant Professor Surgery, UMMC Research -Related	Plan on K Award Submission

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Spradley, Frank	PhD, 2012	Granger, Joey	1/09/2012	TY 2: HL T32 TY 3: HL T32 TY 4: HL T32	none	Interaction between placental ischemia and metabolic factors during pregnancy	Postdoctoral Research Fellow	Assistant Professor Surgery, UMMC Research-Intensive	COBRE/PI/2015 K99-R00/PI 2016
Mathis, Keisa	PhD, 2009	Ryan, Michael	9/01/2012	TY 3:HL T32	none	To determine the mechanistic role for the adaptive immune system in the pathogenesis of hypertension during systemic lupus erythematosus	Postdoctoral Research Fellow	Assistant Professor, Department of Integrative Physiology, University of North Texas Health Science Center Research- Intensive	NIH F32/PI/2013 NIH K01 2018
Cornelius, Denise	PhD, 2012	LaMarca, Babbette	9/1/2012	TY 3: HL T32 TY 4: HL T32	none	Role of Immunity in the Pathophyiology of Preeclampsia	Postdoctoral Research Fellow	Assistant Professor Emergency Medicine, UMMC Research-Intensive	F32/PI/2014 K99-R00/PI 2016 American Heart Association/PI/2016

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Sterling, Sarah	MD, 2008	Jones, Alan	1/06/2013	TY 3:HL T32	none	Pre-shock is a RCT targeting patients with evidence or suspicion of infection who have moderately elevated serum lactates. The interventional arm uses a simple resuscitation protocol focusing on weight based IVFs and lactate normalization. The objective of the study is to evaluate if a protocolized resuscitation strategy will decrease morbidity and mortality in this patient population	Instructor, Emergency Medicine, UMMC	Assistant Professor, Emergency Medicine, UMMC Research-Intensive	Associate Research Director, Emergency Medicine 01/2017- present 1U54GM115428-01, NIGMS Wilson, James (PI) 10/15/2015 – 10/14/2017 AD-1409-21656, PCORI
Broome, Hannah	PhD, 2012	Ryan, Michael	8/28/2013	TY 3:HL T32	none	Renal function and hypertension during systemic lupus erythematosus	Postdoctoral Research Fellow	Assistant Professor / Assistant Dean School of Graduate Studies in the Health Sciences - UMMC	Administrative Role in the Graduate School

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Tullos, Nathan	PhD, 2013	Chade, Alejandro	9/01/2013	TY 3:HL T32	none	Role of endothelin receptors on the progression of renal injury in experimental chronic renovascular disease	Postdoctoral Research Fellow	Assistant Professor, Biological Sciences, Mississippi College Research- Related	Teaching Position
DeCoux, Ashley	PhD	Lindsey, Merry	03/16/2014	TY 4:HL T32	none	Collagen II roles in post-MI remodeling	Postdoctoral Research Fellow	Science Advisor Research- Related	Private Industry
Cunningham, Mark	PhD	LaMarca, Babbette	9/01/2014	TY 5:HL T32 TY 6: HL T32 TY 7: HL T32	none	A role for AT1-AA to cause pathophysiology associated with hypertension during pregnancy	Postdoctoral Research Fellow	Assistant Professor / Pharmacology	AHA Career Development Award 2018
Logue, Omar	PhD	Bidwell, Gene L.	11/24/2014	TY 5:HL T32 TY 6: HL T32	none	Development of maternally sequestered therapeutic polypeptides to treat preeclampsia	Postdoctoral Research Fellow	In Training / Taken off grant	AHA Fellowship Grant 2016
Duncan, Jeremy	PhD, 2015	Granger, Joey	8/16/2016	TY 5: HL T32 TY 6: HL T32 TY 7: HL T32	none	Examining the role of cytokines on vascular smooth muscle cell (VSMC) mechanosensor, beta-epithelial sodium channel (bENaC).	Instructor	In Training	AHA Fellowship 2019
Taylor, Erin	PhD, 2015	Ryan, Michael	4/12/2016	TY 5: HL T32 TY 6: HL T32 TY 7: HL T32	none	Immune regulation of Hypertension	Instructor	In Training	AHA Fellowship NIH F32 2018

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Adeosun, Samuel	PhD, 2013	Stec, David	3/27/2016	TY 6: HL T32 TY 7: HL T32	none	Role of Bilirubin and Biliverdin Reductase in Cardiovascular and Metabolic Disease	Postdoctoral Research Fellow	Private Business	
Ero, Kelvin	MD, 2010	Lindsey, Merry	4/11/2016	TY 6: HL T32 TY 7: HL T32	none	Post-Myocardial Infarction Remodeling in Humans	Postdoctoral Research Fellow	House Officer	Clinical Training
Edwards, Kristin	PhD, 2017	Harmancey, Romain	10/27/17	TY 7: HL T32 TY 8: HL T32 TY 9 HL T32	none	Elucidating the molecular mechanisms linking insulin resistance and type 2 diabetes mellitus to increased cardiac failure and mortality following myocardial infarction (MI) and reperfusion	Postdoctoral Research Fellow	Assistant Professor / Jacksonville State University	Teaching Position
Clemmer, John		Hester, Robert	2/17/17	TY 7: HL T32	none	Topological data studies and updating physiological models of AV-fistula and primary aldosteronism	Postdoctoral Research Fellow	In Training	AHA Postdoctoral Fellowship 2017

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Mouton, Alan	PhD, 2017	Lindsey, Merry	9/1/17	TY 8: HL T32	none	Role of Macrophages in Post-Myocardial Infarction Remodeling	Instructor	In Training	AHA Postdoctoral Fellowship 2018
Jessica Bradshaw	PhD, 2018	Joey Granger	5/1/18	TY 8 HL T32	none	Examining the impact of elevated fatty acids on associated risk and pathophysiology of preeclampsia.	Postdoctoral Fellow	In Training	F32 / AHA Application planned 10/19
Kristen Carter	MD, 2015	Matthew Kutcher	7/1/18	TY 8 HL T32	none	coagulation abnormalities in trauma with the hypothesis that trauma-induced platelet dysfunction is mediated by platelet exhaustion in a human study and corresponding rat model of orthopedic trauma.	Fellow	In Training	AHA Application planned 6/19

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Evangeline Deer	PhD, 2018	Bernadette Grayson	9/9/18	TY 8 HL T32	none	DYSREGULATED LEPTIN SIGNALING IN POST-BARIATRIC RODENT OFFSPRING.	Postdoctoral Fellow	In Training	AHA/ F32 Application planned 6/19

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Ashraf, Sadia	PhD, 2014	Harmancey, Romain	9/1/16	NIH R01	n/a	Role of NR4A2 in myocardial remodeling induced by increased pressure overload	Postdoctoral Fellow	In Training	AHA Application Submitted
Bakrania, Bhavisha	PhD, 2015	Granger, Joey	7/20/15	TY 1:NIH-PPG TY 2: NIH-PPG TY 3: NIH-PPG TY 4: AHA Fellowship	n/a	Altered cardiac structure and function associated with preeclampsia.	Postdoctoral Fellow	Instructor	AHA Fellowship 2018

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He, Xiaochen	PhD, 2018	Roman, Richard	8/13/18	NIH R01	n/a	Mechanism by which loss of Adducin-3 plays the detrimental role in podocyte function, glomerular permeability that contributes to the development of chronic kidney disease associated with aging and hypertension.	Postdoctoral Fellow	In Training	AHA Application planned 2019
Li, Xuan	PhD, 2011	Li, Ji	2017	Institutional Funds	n/a	Metabolic Regulation of Ischemic Heart Disease	Postdoctoral Fellow	In Training	AHA Application planned 2019
Mahmoudi, Elena	PhD, 2011	Harmancey, Romain	2018	NIH R01	n/a	The role of uncoupling protein 3 in the regulation of cardiac metabolism post-ischemia	Postdoctoral Fellow	In Training	AHA Application planned 2019
Machado, Lorena	PhD, 2012	LaMarca, Babbette	4/29/13	NIH Ferring Pharmaceutical	n/a	Anti-inflammatory effects of progesterone: missing in action during preeclampsia	Postdoctoral Fellow	Instructor	NIGMS Cobre Pilot Project

