

Jennifer L. Philip

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Education

College

Washington University in St. Louis. St. Louis, Missouri
B.S. 2009, Chemical Engineering, Summa Cum Laude; Minor in French

Medical School

University of Chicago Pritzker School of Medicine. Chicago, Illinois
M.D. 2014

Residency

2014-present Resident in Surgery, University of Wisconsin Hospitals and Clinics
Madison, Wisconsin

Honors and Awards

Undergraduate

University Athletics Association Conference All-Academic Honoree (2006-2008)
Danforth Scholars Program, Washington University (2005-2009)

Medical School

Overall Excellence in Basic Science, Pritzker School of Medicine (2010)
Howard Hughes Medical Institute Medical Research Fellows Program (2012-2013)
Society of Thoracic Surgeons Looking to the Future Scholarship (2013)
The Franklin McLean Medical Student Research Award (2014)
Layton F. Rikkers, MD Best Oral Presentation (2014)
Association for Academic Surgery Student Research Award for outstanding
performance in research in the general field of Surgery (2014)

Residency

Dr. Joseph Gale Award (2014)
C. Walton Lillehei Resident Research Form Finalist (2015)
Thoracic Surgery Foundation for Research and Education's Nina Star Braunwald
Research Fellowship (2016)
American College of Surgeons Resident Research Scholarship (2016 declined)

Professional Societies

American College of Surgeons (2013-Present)
American Heart Association (2011-Present)

Bibliography

Publications

1. Akhter SA, Salabat MR, Philip JL, Valeroso TB, Russo MJ, Rich JD, Jeevanandam V. Durability of De Vega tricuspid valve annuloplasty for severe tricuspid regurgitation during left ventricular assist device implantation. *Ann Thorac Surg.* 2014 Jul;98(1):81-3. [PMID: 24820391]
2. Li J, Philip JL, Xu X, Theccanat T, Abdur Razzaque M, Akhter SA. β -Arrestins regulate human cardiac fibroblast transformation and collagen synthesis in adverse ventricular remodeling. *J Mol Cell Cardiol.* 2014 Aug 15;76C:73-83. [PMID: 25134464]
3. Xu X, Philip JL, Razzaque MA, Lloyd JW, Muller CM, Akhter SA. High Molecular Weight Polyethylene Glycol Inhibits Myocardial Ischemia-Reperfusion Injury In Vivo. *The Journal of Thoracic and Cardiovascular Surgery.* 2015 Feb;149(2):588-93. [PMID: 25455467]
4. Philip JL, Razzaque MA, Han M, Li J, Theccanat T, Xu X, Akhter SA. Regulation of Mitochondrial Oxidative Stress by β -arrestins in Cardiac Fibroblasts. *Disease Models Mechanisms.* 2015 Dec 1;8(12):1579-89. [PMID 26449263]
5. Theccanat T, Philip JL, Razzaque AM, Ludmer N, Li J, Xu X, Akhter SA. Regulation of cellular oxidative stress and apoptosis by G protein-coupled receptor kinase-2; The role of NADPH oxidase 4. *Cell Signal.* 2016 Mar;28(3):190-203/ [PMID 26631573]

Manuscripts Pending Publication

1. Jennifer L. Philip, Jinju Li, Xianyao Xu, Shahab A. Akhter. The Role of GRK2 and β -Arrestins in Maladaptive Post-Infarction Ventricular Remodeling. *(submitted)*

Competitive Presentations at National Meetings

1. Tiju Theccanat, Nicholas Ludmer, Xianyao Xu, Jinju Li, Jennifer L. Philip, Shahab A. Akhter. Regulation of Cellular Oxidative Stress and Cell Survival by GRK2. *American Heart Association Scientific Session, November 6, 2012.*
2. Jinju Li, Tiju Theccanat, Jennifer L. Philip, Shahab A. Akhter. Regulation of Collagen Synthesis by β -Arrestins in Adult Human Cardiac Fibroblasts. *American Heart Association Scientific Session, November 4, 2012.*
3. Jennifer L. Philip, Jinju Li, Tiju Theccanat, Shahab A. Akhter. Regulation of Mitochondrial Oxidative Stress by Beta-arrestins in Adult Human Cardiac Fibroblasts. *Surgical Forum Program of the American College of Surgeons Clinical Congress, October 8, 2013.*
4. Jennifer L. Philip, Jinju Li, Tiju Theccanat, Xianyao Xu, Shahab A. Akhter. β -arrestins Regulation Mitochondrial Oxidative Stress and Collagen Synthesis in Adult Human Cardiac Fibroblasts. *American Heart Association Scientific Session, November 19, 2013.*
5. Jennifer L. Philip, Jinju Li, Xianyao Xu, Shahab A. Akhter. The Role of GRK2 and β -Arrestins in Maladaptive Post-Infarction Ventricular Remodeling. *American Heart Association Scientific Session, November 19, 2013*
6. Jennifer L. Philip, Xianyao Xu, Mei Han, Jinju Li, M. Abdur Razzaque, Shahab A. Akhter. Inhibition of G Protein-Coupled Receptor Kinase-2 (GRK2) Prevents Cardiac Fibroblast-Mediated Maladaptive Ventricular Remodeling. *Surgical Forum Program of the American College of Surgeons Clinical Congress, October 28, 2014.*
7. Xianyao Xu, Jennifer L Philip, Abdur Razzaque, James W Lloyd, Charlie M Muller, Shahab A Akhter. High-Molecular-Weight Polyethylene Glycol (PEG) Inhibits Myocardial Ischemia-Reperfusion Injury and Improves Ventricular Function and Survival. *American Heart Association Scientific Session, November 17, 2014.*
8. Jennifer L Philip, Xianyao Xu, Mei Han, Jinju Li, Abdur Razzaque, Shahab A Akhter. Inhibition of GRK2 Prevents Cardiac Fibroblast-Mediated Maladaptive Ventricular Remodeling. *American Heart Association Scientific Session, November 17, 2014.*
9. Jennifer L. Philip, Xianyao Xu, Mei Han, Jinju Li, Abdur Razzaque, Shahab A Akhter. GRK2 Inhibition Reduces Post-Myocardial Infarction Cardiac Fibroblast Mediated Adverse Remodeling. *18th Annual C. Walton Lillehei Resident Form, AATS Annual Meeting, April 27, 2015.*

Competitive Presentations at Regional/Local Meeting

1. Rajiv Agarwal; Jennifer Philip, Daniel Levy, MD, PhD. A Computational Aid to Improve Laboratory Diagnosis in Understanding of Acid-Base Disorders. *Medical Education Day Poster Session, University of Chicago, November 18, 2010.*
2. Jennifer L. Philip, Jinju Li, Xianyao Xu, Shahab A. Akhter. The Role of GRK2 and β -Arrestins in Maladaptive Post-Infarction Ventricular Remodeling. *Huggins Research Symposium Poster Session, University of Chicago, February 20, 2013.*
3. Jennifer L. Philip, Jinju Li, Tiju Theccanat, Shahab A. Akhter. Regulation of Mitochondrial Oxidative Stress by β -arrestins in Adult Human Cardiac Fibroblasts. *Huggins Research Symposium Oral Presentation, University of Chicago, February 20, 2013.*
4. Jennifer L. Philip, Jinju Li, Tiju Theccanat, Shahab A. Akhter. β -arrestin Mediated Mitochondrial Oxidative Stress and Collagen Production in Adult Human Cardiac Fibroblasts. *Morton Arnsdorf Cardiovascular Research Day Symposium, University of Chicago, May 31, 2013.*
5. Jennifer L. Philip, Jinju Li, Xianyao Xu, Shahab A. Akhter. The Role of GRK2 and β -Arrestins in Maladaptive Post-Infarction Ventricular Remodeling. *Morton Arnsdorf Cardiovascular Research Day Symposium, University of Chicago, May 31, 2013.*
6. Jennifer L. Philip, Jinju Li, Tiju Theccanat, Xianyao Xu, Shahab A. Akhter. β -arrestins Regulate Mitochondrial Oxidative Stress and Collagen Synthesis in Adult Human Cardiac Fibroblasts. *5th Annual Research Summit, University of Wisconsin Department of Surgery. January 22, 2014.*

