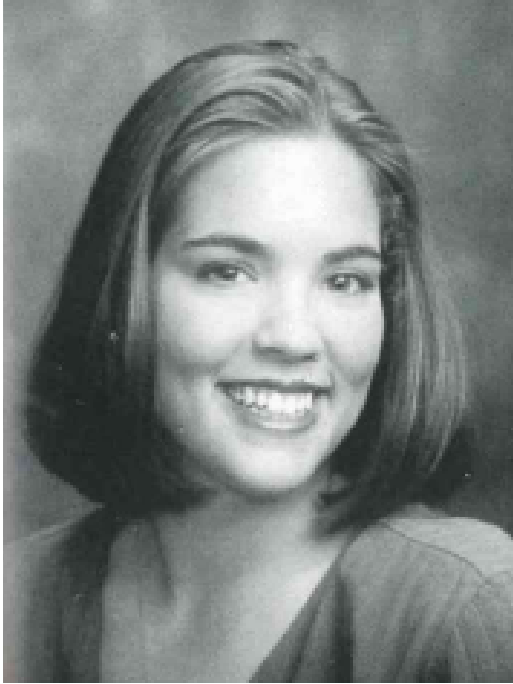


Hall of Honor Inductee 2022

Jenelle Timmins-Persley, PhD



1996 LHS Graduate

Field Hockey - 7 years
Basketball - 7 years
Softball - 7 years
Show Choir - 4 years
National Honor Society

2000 Graduate East Stroudsburg

B.S. Biology, Summa Cum Laude
Earned athletic scholarship and played Field Hockey and Softball briefly,
until career ending back surgery

2006 Graduate Wake Forest

Wake Forest - PhD Cell and Molecular Biology.
Dissertation focused on the metabolism of HDL aka 'good cholesterol'

Community Involvement

Winston-Salem
Created youth field hockey league
New York City
West Side Little League - coach
Yonkers Partnership in Education - Mentor

Columbia University

Research on plaques associated with heart disease leading to heart attack

- investigated particular intercellular communication pathways

Current Employment

Regeneron Pharmaceuticals - Held roles in Research and Development and most recently Organizational Effectiveness & Executive Coaching

Undergrad and Graduate Awards

- 2006 - 2008 - Nutrition Training Grant, Columbia University School of Medicine,
- 2008 - Oral Abstract Travel Award Recipient, Atherosclerosis, Thrombosis and Vascular Biology Atlanta, GA,
- 2005 Chosen Committee Member, Biomedical Sciences Seven-year Review, Wake Forest Graduate School of Arts and Sciences,
- 2004 - Best Graduate Student Poster Award, Lipoprotein Metabolism Gordon Conference Meriden, NH,
- 2004 -Finalist; Junior Investigator Award for Women, 5th Annual Conference on Atherosclerosis, Thrombosis and Vascular Biology, San Francisco, CA,
- 2001 - 2006 Cardiovascular Pathobiology NIH Training Award, Department of Pathology, Wake Forest University School of Medicine, -
- 2001 Dean's Graduate Fellowship, Wake Forest University School of Medicine,-
- 2000 Moore Biology Student of the Year, East Stroudsburg University of Pennsylvania,

Publications

Tissue-specific roles of ABCA1 influence susceptibility to atherosclerosis.
Brunham LR, Singaraja RR, Duong M, Timmins JM, Fievet C, Bissada N, Kang MH, Samra A, Fruchart JC, McManus B, Staels B, Parks JS, Hayden MR.
Arterioscler Thromb Vasc Biol. 2009 Apr;29(4):548-54. doi: 10.1161/ATVBAHA.108.182303. Epub 2009 Feb 5.
PMID: 19201688

Beta-cell ABCA1 influences insulin secretion, glucose homeostasis and response to thiazolidinedione treatment.
Brunham LR, Kruit JK, Pape TD, Timmins JM, Reuwer AQ, Vasanji Z, Marsh BJ, Rodrigues B, Johnson JD, Parks JS, Verchere CB, Hayden MR.
Nat Med. 2007 Mar;13(3):340-7. doi: 10.1038/nm1546. Epub 2007 Feb 18.
PMID: 17322896

Intestinal ABCA1 directly contributes to HDL biogenesis in vivo.
Brunham LR, Kruit JK, Iqbal J, Fievet C, Timmins JM, Pape TD, Coburn BA, Bissada N, Staels B, Groen AK, Hussain MM, Parks JS, Kuipers F, Hayden MR.
J Clin Invest. 2006 Apr;116(4):1052-62. doi: 10.1172/JCI27352. Epub 2006 Mar 16.
PMID: 16543947 Free PMC article.

Calcium/calmodulin-dependent protein kinase II links ER stress with Fas and mitochondrial apoptosis pathways.

Timmins JM, Ozcan L, Seimon TA, Li G, Malagelada C, Backs J, Backs T, Bassel-Duby R, Olson EN, Anderson ME, Tabas I.

J Clin Invest. 2009 Oct;119(10):2925-41. doi: 10.1172/JCI38857. Epub 2009 Sep 8.

PMID: 19741297 Free PMC article.

Increased cellular free cholesterol in macrophage-specific Abca1 knock-out mice enhances pro-inflammatory response of macrophages.

Zhu X, Lee JY, Timmins JM, Brown JM, Boudyguina E, Mulya A, Gebre AK, Willingham MC, Hiltbold EM, Mishra N, Maeda N, Parks JS.

J Biol Chem. 2008 Aug 22;283(34):22930-41. doi: 10.1074/jbc.M801408200. Epub 2008 Jun 14.

PMID: 18552351 Free PMC article.

Targeted inactivation of hepatic Abca1 causes profound hypoalphalipoproteinemia and kidney hypercatabolism of apoA-I.

Timmins JM, Lee JY, Boudyguina E, Kluckman KD, Brunham LR, Mulya A, Gebre AK, Coutinho JM, Colvin PL, Smith TL, Hayden MR, Maeda N, Parks JS.

J Clin Invest. 2005 May;115(5):1333-42. doi: 10.1172/JCI23915. Epub 2005 Apr 7.

PMID: 15841208 Free PMC article.

Signal transducer and activator of transcription-1 is critical for apoptosis in macrophages subjected to endoplasmic reticulum stress in vitro and in advanced atherosclerotic lesions in vivo.

Lim WS, Timmins JM, Seimon TA, Sadler A, Kolodgie FD, Virmani R, Tabas I.

Circulation. 2008 Feb 19;117(7):940-51. doi: 10.1161/CIRCULATIONAHA.107.711275. Epub 2008 Jan 28.

PMID: 18227389 Free PMC article.

HDLs in apoA-I transgenic Abca1 knockout mice are remodeled normally in plasma but are hypercatabolized by the kidney.

Lee JY, Timmins JM, Mulya A, Smith TL, Zhu Y, Rubin EM, Chisholm JW, Colvin PL, Parks JS.

J Lipid Res. 2005 Oct;46(10):2233-45. doi: 10.1194/jlr.M500179-JLR200. Epub 2005 Jul 16.

PMID: 16024913 Free article.

Targeted deletion of hepatocyte ABCA1 leads to very low density lipoprotein triglyceride overproduction and low density lipoprotein hypercatabolism.

Chung S, Timmins JM, Duong M, Degirolamo C, Rong S, Sawyer JK, Singaraja RR, Hayden MR, Maeda N, Rudel LL, Shelness GS, Parks JS.

J Biol Chem. 2010 Apr 16;285(16):12197-209. doi: 10.1074/jbc.M109.096933. Epub 2010 Feb 23.

PMID: 20178985 Free PMC article.

Hepatic ATP-binding cassette transporter A1 is a key molecule in high-density lipoprotein cholesteryl ester metabolism in mice.

Singaraja RR, Stahmer B, Brundert M, Merkel M, Heeren J, Bissada N, Kang M, Timmins JM, Ramakrishnan R, Parks JS, Hayden MR, Rinninger F.

Arterioscler Thromb Vasc Biol. 2006 Aug;26(8):1821-7. doi:

10.1161/01.ATV.0000229219.13757.a2. Epub 2006 May 25.

PMID: 16728652

Married to Christopher and mother of Pepper, 11.