

BIOGRAPHICAL SKETCH

NAME	Harold Ross Payne	POSITION TITLE	Associate Research Scientist
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Oklahoma Norman, OK	B.S.	1975	Microbiology
Louisiana State University Baton Rouge, LA	M.S.	1982	Microbiology
Louisiana State University, Baton Rouge, LA	Ph.D.	1988	Veterinary Microbiology

Professional Experience

1977-1979	Teaching assistant, Department of Microbiology, Louisiana State University, Baton Rouge, LA
1980-1983	Research Associate, Department of Veterinary Anatomy and Fine Structure, Louisiana State University, Baton Rouge, LA
1984-1988	Research Assistant, Department of Veterinary Microbiology and Parasitology Louisiana State University Baton Rouge, LA
1988-1989	Postdoctoral Fellow, Department of Neuroscience, Case Western Reserve University., Cleveland, OH
1989-1996	Research Associate, Department of Neuroscience, Case Western Reserve University, Cleveland, OH
1996-1998	Assistant Instructor, Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center, Dallas, TX
1998-2001	Instructor, Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center, Dallas, TX
2001-Present	Associate Research Scientist, Department of Veterinary Pathobiology, College of Veterinary Medicine, Texas A&M Univ., College Station, TX

Selected peer-reviewed publications (in reverse chronological order).

- Storey, S.M., A.L. McIntosh, H. Huang, K.K. Landrock, G.G. Martin, K.K. Landrock, D. Landrock, H.R. Payne, A.B. Kier, and F. Schroeder. 2012. Loss of Intracellular Lipid Binding Proteins Differentially Impacts Saturated Fatty Acid Uptake and Nuclear Targeting in Mouse Hepatocytes. *American journal of physiology. Gastrointestinal and liver physiology*:G837-G850.
- Storey, S.M., A.L. McIntosh, H. Huang, K.K. Landrock, G.G. Martin, D. Landrock, H.R. Payne, B.P. Atshaves, A.B. Kier, and F. Schroeder. 2012. Intracellular Cholesterol Binding Proteins Enhance HDL-mediated Cholesterol Uptake in Cultured Primary Mouse Hepatocytes. *American journal of physiology. Gastrointestinal and liver physiology*.
- Porter, B.F., J.F. Ridpath, D.V. Calise, H.R. Payne, J.J. Janke, D.G. Baxter, and J.F. Edwards. 2010. Hypomyelination associated with bovine viral diarrhoea virus type 2 infection in a longhorn calf. *Veterinary Pathology*. 47:658-663.
- Rodrigues, A., L. Gates, H.R. Payne, M. Kiupel, and J. Mansell. 2010. Multicentric squamous cell carcinoma in situ associated with papillomavirus in a ferret. *Veterinary Pathology*. 47:964-968.
- Storey, S.M., B.P. Atshaves, A.L. McIntosh, D. Landrock, G.G. Martin, H. Huang, H.R. Payne, J.D. Johnson, R.D. Macfarlane, A.B. Kier, and F. Schroeder. 2010. Effect of sterol carrier protein-2 gene ablation on HDL-mediated cholesterol efflux from cultured primary mouse hepatocytes. *American journal of physiology. Gastrointestinal and liver physiology*. 299:G244-G254.
- Atshaves, B.P., A.L. McIntosh, G.G. Martin, D. Landrock, H.R. Payne, S. Bhuvanendran, K.K. Landrock, O.I. Lyuksyutova, J.D. Johnson, R.D. Macfarlane, A.B. Kier, and F. Schroeder. 2009. Overexpression of sterol carrier protein-2 differentially alters hepatic cholesterol accumulation in cholesterol-fed mice. *Journal of Lipid Research*. 50:1429-1447.
- Hostetler, H.A., A.L. McIntosh, B.P. Atshaves, S.M. Storey, H.R. Payne, A.B. Kier, and F. Schroeder. 2009. Liver type fatty acid binding protein (L-FABP) directly interacts with peroxisome proliferator-activated receptor-alpha in cultured primary hepatocytes. *Journal of Lipid Research*. 50:1663-1675.
- Mackie, J.T., B.P. Atshaves, H.R. Payne, A.L. McIntosh, F. Schroeder, and A.B. Kier. 2009. Phytol-Induced Hepatotoxicity in Mice. *Toxicologic Pathology*. 37:201-208.
- Martin, G.G., B.P. Atshaves, A.L. McIntosh, H.R. Payne, J.T. Mackie, A.B. Kier, and F. Schroeder. 2009. Liver fatty acid binding protein gene ablation enhances age-dependent weight gain in male mice. *Molecular and Cellular Biochemistry*. 324:101-115.
- Schroeder, F., A.D. Petrescu, H. Huang, B.P. Atshaves, A.L. McIntosh, G.G. Martin, H.A. Hostetler, A. Vespa, D. Landrock, K.K. Landrock, H.R. Payne, and A.B. Kier. 2008. Role of fatty acid binding proteins and long chain fatty acids in modulating nuclear receptors and gene transcription. *Lipids*. 43:1-17.

- Atshaves, B.P., A.L. McIntosh, D. Landrock, H.R. Payne, J.T. Mackie, N. Maeda, J. Ball, F. Schroeder, and A.B. Kier. 2007a. Effect of SCP-x gene ablation on branched-chain fatty acid metabolism. *American journal of physiology. Gastrointestinal and liver physiology*. 292:939-951.
- Atshaves, B.P., H.R. Payne, A.M. Gallegos, K.K. Landrock, N. Maeda, A.B. Kier, and F. Schroeder. 2007b. SCP-2/SCP-x gene ablation alters lipid raft domains in primary cultured mouse hepatocytes. *Journal of Lipid Research*. 48:2193-2211.
- Porter, B.F., R.W. Storts, H.R. Payne, and J.F. Edwards. 2007. Colonic ganglioneuromatosis in a horse. *Veterinary Pathology*. 44:207-210.
- Liu, H.H., H.R. Payne, B. Wang, and S.T. Brady. 2006. Gender differences in response of hippocampus to chronic glucocorticoid stress: Role of glutamate receptors. *Journal of Neuroscience Research*. 83:775-786.
- Atshaves, B.P., A.L. McIntosh, H.R. Payne, J. Mackie, A.B. Kier, and F. Schroeder. 2005. Effect of branched-chain fatty acid on lipid dynamics in mice lacking the liver fatty acid binding protein gene. *American Journal of Physiology: Cell Physiology*. 288:C543-C558.
- Atshaves, B.P., H.R. Payne, A.L. McIntosh, S.E. Tichy, D. Russell, A.B. Kier, F. Schroeder, P. Departments of, T.A. Pharmacology, and C.S.T.X.U.S.A. M University. 2004. Sexually dimorphic metabolism of branched-chain lipids in C57BL/6J mice. *Journal of lipid research*. 45(5):812-830.
- Zhou, M., R.D. Parr, A.D. Petrescu, H.R. Payne, B.P. Atshaves, A.B. Kier, J.M. Ball, F. Schroeder, P. Department of, T.A. Pharmacology, T.C.S.T. M University, and T.A. Department of Pathobiology. 2004. Sterol carrier protein-2 directly interacts with caveolin-1 in vitro and in vivo. *Biochemistry*. 43(23):7288-7306.
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- Burden-Gulley, S.M., H.R. Payne, and V. Lemmon. 1995. Growth cones are actively influenced by substrate-bound adhesion molecules. *Journal of Neuroscience*. 15:4370-4381.
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- Payne, H.R., and J. Storz. 1990. Scanning electron microscopic characterization of bovine coronavirus plaques in HRT cells. *Zentralblatt Fuer Veterinaermedizin Reihe B*. 37:501-508.
- Payne, H.R., J. Storz, and W.G. Henk. 1990a. Bovine coronavirus antigen in the host cell plasmalemma. *Experimental & Molecular Pathology*. 53:152-159.
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- Payne, H.R., and J. Storz. 1988. Analysis of cell fusion induced by bovine coronavirus infection. *Archives of Virology*. 103:27-33.
- Payne, H.R., and M.D. Socolofsky. 1984. Cytochemistry of cytochrome oxidase in the cytoplasmic and intracytoplasmic membranes of *Azotobacter vinelandii*. *Journal of Bacteriology*. 159:946-950.