Philip Keith MOORE, Professor

Research Director,
Office of Deputy President (R&T)
National University of Singapore
Lee Kong Chian Wing, UHL #05-02R,
21 Lower Kent Ridge Road, Singapore 119077
Phone: 6601 1669 E-mail : dprmpk@nus.edu.sg

MAJOR RESEARCH INTERESTS

Pharmacology of gasomediators
Inflammation and anti-inflamamtory drugs
Endothelial regulators of vascular function

SELECTED PUBLICATIONS

1. Li, L., Whiteman, M., Guan, Y.Y., Neo, K.L., Cheng, Y., Lee, S.W., Zhao, Y., Baskar, R., Tan, C.H. & Moore, P.K. (2008). Characterisation of a novel, water soluble hydrogen sulfide releasing molecule (GYY4137): new insights into the biology of hydrogen sulphide. *Circulation*, **117,** 2351-2360.

2. Sun,Q., Collins, R., Huang, , Holmberg-Schiavone, L., Anand, G.S., Tan, C-H., van-den-Berg, S., Deng, L.H., Moore, P.K., Karlberg, T. & Sivaraman, J. (2008). Structural Basis for the inhibition mechanism of human cystathionine-gamma-Lyase: An enzyme responsible for the production of H_2S. *J. Biol. Chem.,* **284,** 3076-3085.

3. Li, L. & Moore, P.K. (2008). Dexamethasone inhibits hydrogen sulphide biosynthesis in an animal model of endotoxic shock and in lipopolysaccharide-treated rat neutrophils. *J. Journal of Cell Mol Med.,* **13,** 2684-2692.

4. Lee, S.W., Foo, C.S., Neo, K.L., Chen, X., Moore, P.K. & Bian, J. (2008). Endogenous hydrogen sulphide mediates the cardioprotection induced by ischemic postconditioning. *J. Mol. Cell Cardiol.,* **40, 119-130.**

5. Whiteman, M. & Moore, P.K. (2009). Hydrogen sulfide and the vasculature: a novel vasculoprotective entity and regulator of nitric oxide bioavailability? *Journal of Cell. Mol. Med.,* **13,** 488-507.
6. Srilatha, B., Hu, L., Adaikan, G.P. & Moore, P.K. (2009). Initial characterization of hydrogen sulfide effects in female sexual function. *J. Sex Med.,* **6,** 1875-1884.

7. **L**i, L., Salto-Tellez, M., Tan, C-H., Whiteman, M. & Moore, P.K. (2009). GYY4137, a novel hydrogen sulfide releasing molecule, protects against endotoxic shock in the rat. *Free Rad. Biol. Med.,* **47,** 103-113.

8. Whiteman, M.L., Li, L., Rose, P., Tan, C-H., Parkinso, D.B. & Moore, P.K. (2009). The effect of hydrogen sulfide donors on lipopolysaccharide-induced formation of inflammatory mediators in macrophages. *Antioxidant and Redox Signalling,* **12,** 1147-1154.

9. Huang, S., Chua, J.H., Yew, W.S., Sivaraman, J., Moore, P.K., Tan, C.H. & Deng, L.W. (2010). Site-directed mutagenesis on human cystathionine-gamma-lyase reveals insights into the modulation of H2S production. *J. Mol. Biol.,* **396,** 708-718.