OAKLAND UNIVERSITY

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Distinguished Professor Mike Chopp Investigates Stroke

Distinguished Professor **Michael Chopp**, of the **Department of Physics**, and his colleagues at **Henry Ford Hospital** are leaders in the study of **stroke**. In the January 2009 issue of the **Journal of Neuroscience Research** Chopp's team published **Nitric Oxide Donor Up-Regulation of SDF1/CXCR4 and Ang1/Tie2 Promotes Neuroblast Cell Migration After Stroke** (Volume 87, Pages 86-95). **Nitric Oxide** is a small molecule with such a big role in biology and medicine that **Science Magazine** named it the 1992 **Molecule of the Year**. Chopp et al. "tested the hypothesis that a nitric oxide donor, DETA-NONOate, up-regulates stromal cell-derived factor-1 and **angiopoietin 1** in the **ischemic** brain and their respective receptors **chemokine CXC** motif receptor 4 and **Tie2** in the **subventricular zone** and thereby promote...**neuroblast cell migration** after stroke." Their work is supported by grants from the **National Institutes of Health** and the **American Heart Association**.

SUMMARY
Distinguished Professor Michael Chopp, of the Department of Physics, and his colleagues at Henry Ford Hospital are leaders in the study of stroke.

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