

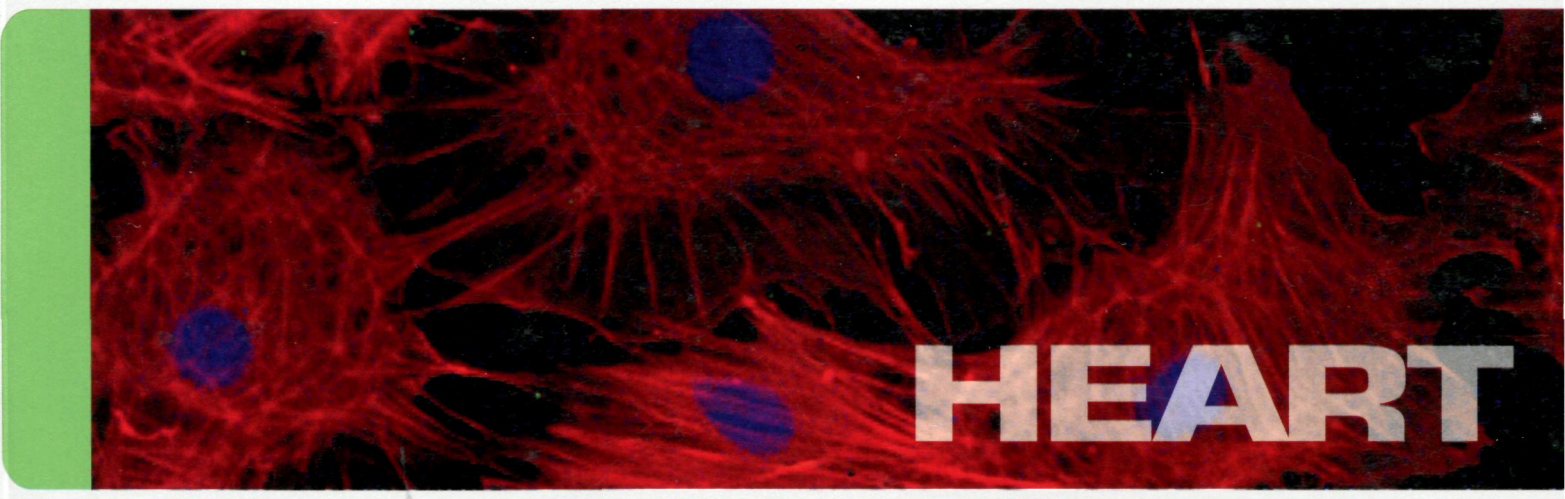
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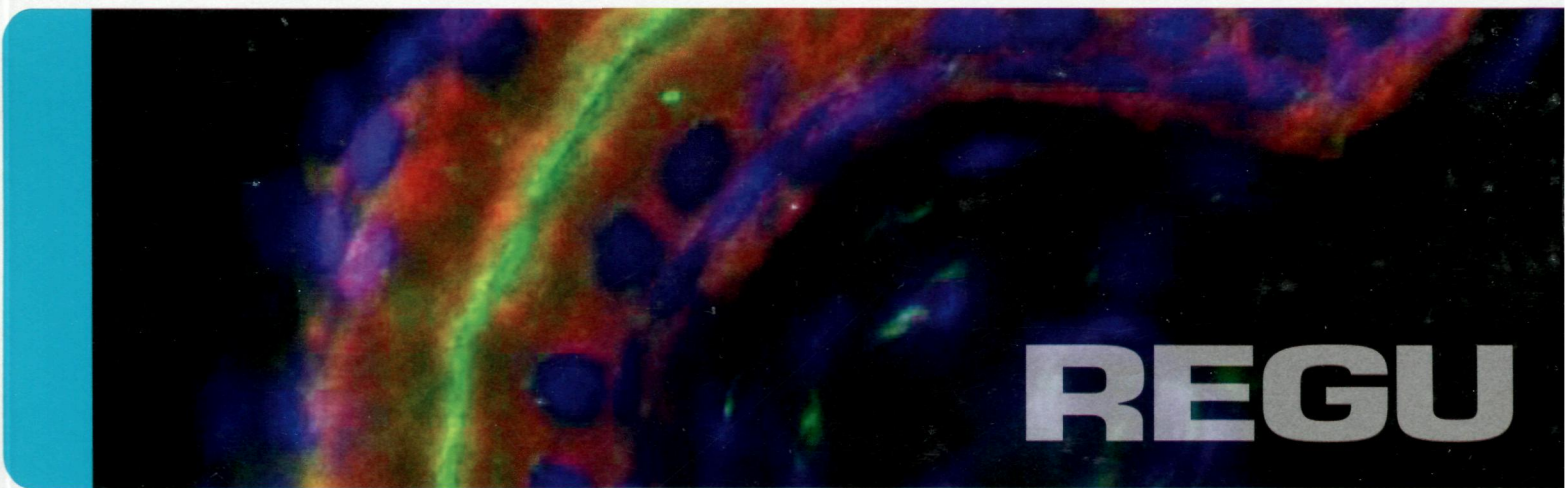
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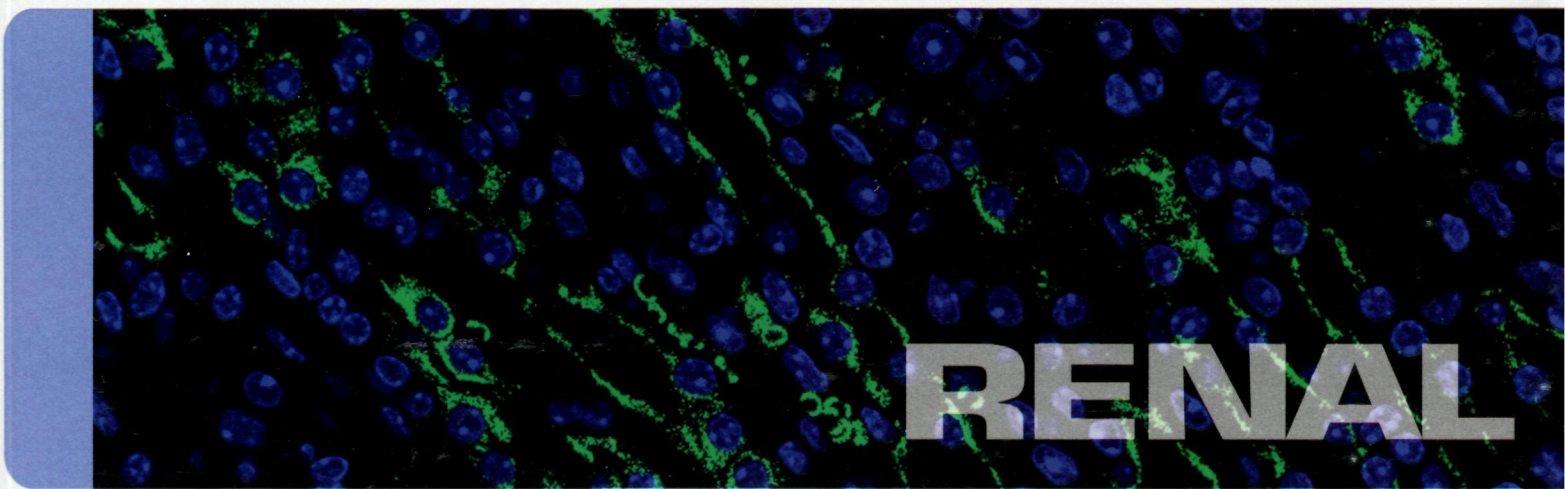
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HEART



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**Bioengineering the Lung: Molecules, Materials, Matrix, Morphology,
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- Partial functional redundancy between *Hoxa5* and *Hoxb5* paralog genes during lung morphogenesis
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- The modulation of large airway smooth muscle phenotype and effects of epidermal growth factor receptor inhibition in the repeatedly allergen-challenged rat
*S. Siddiqui, M. Novali, K. Tsuchiya, N. Hirota, B. J. Geller, T. K. McGovern,
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*D. Rittirsch, M. A. Flierl, B. A. Nadeau, D. E. Day, M. S. Huber-Lang, J. J. Grailer,
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- LPS induces pp60^{src}-mediated tyrosine phosphorylation of Hsp90 in lung vascular endothelial cells and mouse lung
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**American Journal of Physiology-
Heart and Circulatory Physiology**

June 1, 2013

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Mitochondria in Cardiovascular Physiology and Disease

- Impaired mitochondrial function in chronically ischemic human heart
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- Mechanisms that match ATP supply to demand in cardiac pacemaker cells during high ATP demand
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- Kir6.2 is not the mitochondrial K_{ATP} channel but is required for cardioprotection by ischemic preconditioning
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Mitochondria in Cardiovascular Physiology and Disease

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A corticotropin-releasing factor receptor antagonist improves urodynamics dysfunction produced by social stress or partial bladder outlet obstruction in male rats
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Protective role of testosterone in ischemia-reperfusion-induced acute kidney injury
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- Early effects of high-fat diet on neurovascular function and focal ischemic brain injury
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Mechanism of the Circadian Clock in Physiology

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American Journal of Physiology- Renal Physiology

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- Protective effects of Rho kinase inhibitor fasudil on rats with chronic kidney disease
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- Nitric oxide reduces Cl^- absorption in the mouse cortical collecting duct through an ENaC-dependent mechanism
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- Antihypertensive and renoprotective effect of the kinin pathway activated by potassium in a model of salt sensitivity following overload proteinuria
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- Chronic kidney disease accelerates endothelial barrier dysfunction in a mouse model of an arteriovenous fistula
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- N*-acetylcysteine ameliorates acute kidney injury but not glomerular hemorrhage in an animal model of warfarin-related nephropathy
K. Ware, Z. Qamri, A. Ozcan, A. A. Satoskar, G. Nadasdy, B. H. Rovin, L. A. Hebert, T. Nadasdy, and S. V. Brodsky F1421
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W.-S. Chung, J. L. Weissman, J. Farley, and H. A. Drummond F1428
- Bardoxolone methyl analogs RTA 405 and dh404 are well tolerated and exhibit efficacy in rodent models of Type 2 diabetes and obesity
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R. R. Geyer, R. Musa-Aziz, G. Enkavi, P. Mahinthichaichan, E. Tajkhorshid, and W. F. Boron F1447
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