



The 6th Congress of Asian Society for Pediatric Research
& 51st Annual Meeting of Taiwan Pediatric Association

April 15-18, 2010 Taipei, Taiwan



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EXPERIENCES AND POSITION :

- ◆ Assistant Professor of Cardiovascular Medicine, Stanford University School of Medicine, Stanford, California
- ◆ Professor of Pediatrics, Stanford University School of Medicine, Stanford, California
- ◆ Chief of pulmonary, allergy and critical care medicine at Lucile Packard Children's Hospital, Palo Alto, CA
- ◆ Anne and Robert M. Bass Professor of Pulmonary Medicine

EDUCATIONAL BACKGROUND :

- ◆ Board Certification: Pediatric Pulmonary, American Board of Pediatrics (1994)
- ◆ Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (1996)
- ◆ Fellowship: Children's Hospital-Denver CO (1993)
- ◆ Residency: Children's Mercy Hospital MO (1989)
- ◆ Internship: Children's Mercy Hospital MO (1987)
- ◆ Medical Education: University of Wisconsin Medical School WI (1986)

RESEARCH INTERESTS :

- ◆ Pediatric Pulmonary
- ◆ Pulmonary Medicine/ Cystic Fibrosis, Pediatric

PUBLISHED WORKS : (Selected list)

- ◆ Developmental regulation of hypoxia-inducible factor 1 and prolyl-hydroxylases in pulmonary vascular smooth muscle cells. Resnik ER, Herron JM, Lyu SC, Cornfield DN. Proc Natl Acad Sci U S A. 2007; 104 (47): 18789-94
- ◆ Lung specific developmental expression of the Xenopus laevis surfactant protein C and B genes. Hyatt BA, Resnik ER, Johnson NS, Lohr JL, Cornfield DN. Gene Expr Patterns. 2007; 7 (1-2): 8-14
- ◆ Chronic intrauterine pulmonary hypertension increases capacitance calcium entry in fetal pulmonary artery smooth muscle cells. Resnik ER, Keck M, Sukovich DJ, Herron JM, Cornfield DN. Am J Physiol Lung Cell Mol Physiol. 2007; 292 (4): L953-9
- ◆ Case-series of nurse-administered nitrous oxide for urinary catheterization in children. Zier JL, Drake GJ, McCormick PC, Clinch KM, Cornfield DN. Anesth Analg. 2007; 104 (4): 876-9
- ◆ The unexpected effect of cyclosporin A on CD56+CD16- and CD56+CD16+ natural killer cell subpopulations. Wang H, Grzywacz B, Sukovich D, McCullar V, Cao Q, Lee AB, Blazar BR, Cornfield DN, Miller JS, Verneris MR. Blood. 2007; 110 (5): 1530-9
- ◆ Wnt5a is required for cardiac outflow tract septation in mice. Schleiffarth JR, Person AD, Martinsen BJ, Sukovich DJ, Neumann A, Baker CV, Lohr JL, Cornfield DN, Ekker SC, Petryk A. Pediatr Res. 2007; 61 (4): 386-91



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- ◆ Chronic intrauterine pulmonary hypertension selectively modifies pulmonary artery smooth muscle cell gene expression. Resnik E, Herron J, Keck M, Sukovich D, Linden B, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2006; 290 (3): L426-33
 - ◆ Oxygen tension modulates the expression of pulmonary vascular BKCa channel alpha- and beta-subunits. Resnik E, Herron J, Fu R, Ivy DD, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2006; 290 (4): L761-L768
 - ◆ Inflammatory cytokines and the development of pulmonary complications after allogeneic hematopoietic cell transplantation in patients with inherited metabolic storage disorders. Kharbanda S, Panoskaltis-Mortari A, Haddad IY, Blazar BR, Orchard PJ, Cornfield DN, Grewal SS, Peters C, Regelman WE, Milla CE, Baker KS. *Biol Blood Marrow Transplant.* 2006; 12 (4): 430-7
 - ◆ Acute normoxia increases fetal pulmonary artery endothelial cell cytosolic Ca²⁺ via Ca²⁺-induced Ca²⁺ release. Tirosh R, Resnik ER, Herron J, Sukovich DJ, Hong Z, Weir EK, Cornfield DN. *Pediatr Res.* 2006; 60 (3): 258-63
 - ◆ Natural history of pulmonary complications in children after bone marrow transplantation. Eikenberry M, Bartakova H, Defor T, Haddad IY, Ramsay NK, Blazar BR, Milla CE, Cornfield DN. *Biol Blood Marrow Transplant.* 2005; 11 (1): 56-64
 - ◆ Oxygen increases ductus arteriosus smooth muscle cytosolic calcium via release of calcium from inositol triphosphate-sensitive stores. Keck M, Resnik E, Linden B, Anderson F, Sukovich DJ, Herron J, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2005; 288 (5): L917-23
 - ◆ Extubation failure in pediatric intensive care incidence and outcomes. Baisch SD, Wheeler WB, Kurachek SC, Cornfield DN. *Pediatr Crit Care Med.* 2005; 6 (3): 312-8
 - ◆ Myeloperoxidase deficiency enhances inflammation after allogeneic marrow transplantation. Milla C, Yang S, Cornfield DN, Brennan ML, Hazen SL, Panoskaltis-Mortari A, Blazar BR, Haddad IY. *Am J Physiol Lung Cell Mol Physiol.* 2004; 287 (4): L706-14
 - ◆ Safety of inhaled nitric oxide after lung transplantation. Cornfield DN, Milla CE, Haddad IY, Barbato JE, Park SJ. *J Heart Lung Transplant.* 2003; 22 (8): 903-7
 - ◆ Chronic intrauterine pulmonary hypertension compromises fetal pulmonary artery smooth muscle cell O₂ sensing. Linden BC, Resnik ER, Hendrickson KJ, Herron JM, O'Connor TJ, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2003; 285 (6): L1354-61
 - ◆ A rose by any other name is yet a rose: acute respiratory failure in children. Cornfield DN, Haddad IY. *Am J Respir Crit Care Med.* 2003; 168 (3): 268-9
 - ◆ Interactive effects of high-frequency oscillatory ventilation and inhaled nitric oxide in acute hypoxemic respiratory failure in pediatrics. Dobyms EL, Anas NG, Fortenberry JD, Deshpande J, Cornfield DN, Tasker RC, Liu P, Eells PL, Griebel J, Kinsella JP, Abman SH. *Crit Care Med.* 2002; 30 (11): 2425-9
 - ◆ Contribution of the K(Ca) channel to membrane potential and O₂ sensitivity is decreased in an ovine PPHN model. Olschewski A, Hong Z, Linden BC, Porter VA, Weir EK, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2002; 283 (5): L1103-9
 - ◆ Pulmonary vascular K⁺ channel expression and vasoreactivity in a model of congenital heart disease. Cornfield DN, Resnik ER, Herron JM, Reinhartz O, Fineman JR. *Am J Physiol Lung Cell Mol Physiol.* 2002; 283 (6): L1210-9
 - ◆ Continuous propofol infusion in 142 critically ill children. Cornfield DN, Tegtmeier K, Nelson MD, Milla CE, Sweeney M. *Pediatrics.* 2002; 110 (6): 1177-81
 - ◆ A beta-peptides enhance vasoconstriction in cerebral circulation. Niwa K, Porter VA, Kazama K, Cornfield D, Carlson GA, Iadecola C. *Am J Physiol Heart Circ Physiol.* 2001; 281 (6): H2417-24
 - ◆ Polycyclic aromatic hydrocarbon diol epoxides increase cytosolic Ca(2+) of airway epithelial cells. Jyonouchi H, Sun S, Porter VA, Cornfield DN. *Am J Respir Cell Mol Biol.* 2001; 25 (1): 78-83
 - ◆ Pulmonary vascular response to normoxia and K(Ca) channel activity is developmentally regulated. Rhodes MT, Porter VA, Saqueton CB, Herron JM, Resnik ER, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2001; 280 (6): L1250-7
 - ◆ Oxygen-induced fetal pulmonary vasodilation is mediated by intracellular calcium activation of K(Ca) channels. Porter VA, Rhodes MT, Reeve HL, Cornfield DN. *Am J Physiol Lung Cell Mol Physiol.* 2001; 281 (6): L1379-85
 - ◆ Effects of oxidant stress on inflammation and survival of iNOS knockout mice after marrow transplantation. Yang S, Porter VA, Cornfield DN, Milla C, Panoskaltis-Mortari A, Blazar BR, Haddad IY. *Am J Physiol Lung Cell Mol Physiol.* 2001; 281 (4): L922-30
 - ◆ Ca(2+)-activated K(+) channels modulate basal and E(2)-beta-induced rises in uterine blood flow in ovine pregnancy. Rosenfeld CR, Cornfield DN, Roy T. *Am J Physiol Heart Circ Physiol.* 2001; 281 (1): H422-31
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