


17. Li Q, Ren J. Cardiac overexpression of metallothionein rescues chronic alcohol intake-induced cardiomyocyte dysfunction: Role of Akt, mammalian target of rapamycin and ribosomal p70s6 kinase. *Alcohol Alcoholism* 41: 585-592, 2006 (IF=2.04).


B. Research paper in press – 2007 (alphabetically by last name of 1st author):


4. Li Q, Ren J. Chronic alcohol consumption reduces activation of mammalian target of rapamycin (mTOR) and ribosomal p70S6 kinase in cerebral cortex. *Exp. Neurol.* in press.


12. Ren J. Wide spectrum of presentation and variable mechanisms of compromised cardiac function in multiple organ dysfunction syndrome. *J Organ Dysfunction* (invited review) in press.


D. Research paper in revision or review (alphabetically by last name of 1st author):
2. Dong F, Ren J. Fidarestat improves cardiomyocyte contractile function in db/db diabetic obese mice through a histone deacetylase Sir2-dependent mechanism. *J. Hypertens.* in review.
4. Fang CX, Dong F, Nunn JM, Ren J. Metallothionein prevents high fat diet-induced cardiac contractile dysfunction: Role of peroxisome proliferator-activated receptor γ coactivator-1α and mitochondrial biogenesis. *Diabetes* in review.
8. Li SY, Xu PS, Babcock SA, Dolence EK, Brownlee M, Shen Y, Ren J. Advanced glycation endproducts (AGEs) is linked to cardiomyocyte contractile dysfunction in streptozotocin-induced diabetic mice. *Diabetes* in revision.


**E. Meeting presentation at the national or international levels – 2006 (*indicates presenter*)**


3. Li Q*, Wu S, Li SY, Lopez FL, Kajstura J, Anversa P, Ren J. Cardiac overexpression of insulin-like growth factor-1 attenuates senescence-associated cardiac diastolic contractile dysfunction and protein damage. 15th Word Congress of Pharmacology (IUPHAR-2006), Beijing, China (poster).

4. Li SY*, Xu P, Babcock SA, Shen Y, Ren J. Advanced glycation endproduct (AGE) is linked to cardiomyocyte contractile dysfunction in streptozotocin-induced diabetic mice. The 15th Word Congress of Pharmacology (IUPHAR-2006), Beijing, China (poster).

5. Ren J*, Relling DP, Esberg LB, Zhao BH. Dietary influence of high fat and marginal copper deficiency on cardiac contractile function in isolated cardiomyocytes. The 15th Word Congress of Pharmacology (IUPHAR-2006), Beijing, China (poster).


7. Ren J*. Oxidative stress and alcoholic cardiomyopathy: Lessons from the transgenic studies” University of Colorado Health Sciences Center, February 2006 (oral).


**F. Proposal submitted/awarded ($253,380 awarded to Dr. Sreejayan and $214,372 to Dr. Ren):**

1. Sreejayan: Novel synthetic chromium amino acid complexes as enhancers of insulin response. American Diabetes Association (AMDIAB47595), $146,230, Funding Period: 07/06-06/07

2. Sreejayan: Inhibition of space flight induced skeletal muscle atrophy by novel chromium complexes. Wyoming NASA EPSCoR Seed Grant Program, $42,150, Funding Period: 07/06-06/07
(3). Sreejayan: Synthesis and Biological Activity of Novel chromium complexes. InterHealth Pharmaceuticals (INTRHLTH48190), Aggregate Award: $65,000.00.

(4). Sreejayan: Targeting PTP-1B in Alzheimer’s disease, American Health Assistance Foundation (Alzheimer’s disease research), $87,400 (not funded).

(5). Sreejayan: Attenuation of atherosclerosis by curcumin. American Heart Association (BGIA), $240,000 (not funded).

(6). Sreejayan: Mechanisms of vascular protective effects of curcumin. NIH, $210,000 (not funded)

(7). Sreejayan: 4-hydroxyisoleucine chromium complex as insulin potentiator, NIH $210,000 (pending).

(8). Li S-Y: Role of advanced glycation endproduct in diabetic cardiomyopathy: redox modulation of Ca2+ regulatory proteins. American Heart Association Pacific Mountain Affiliate, $120,000 (47th percentile, not funded – revision pending).

(9). Ren J: Role of Akt and Foxo transcription factor in the pathogenesis of diabetic cardiomyopathy and antioxidant treatment. American Heart Association Pacific Mountain Affiliate, $198,000 (55th percentile, not funded – revision pending).

(10). Ren J: Role of Akt and forkhead transcription factor in cardiac dysfunction under insulin resistance and type 2 diabetes. American Diabetes Association (not funded)

(11). Ren J. Role of oxidative stress and antioxidant in cardiac dysfunction under aging. NIH $1,200,000 (not funded, revision pending).

(12). Li LL and Ren J. Genetic polymorphism in type 2 diabetic patients. Chinese National Science Foundation, RMB 800,000 (pending).

(13). Yang X: Role of metallothionein in protecting cardiac aging. NIH R15 (administratively withdrawn).


H. 2006 C-CRAM Research Awards (Selection committee: J. Ren, B. Culver & J. Vandel):
Top three finishers: (1) Xiaoping Yang: 43.94 points; (2). Cindy Fang: 41.46 points; (3) Feng Dong: 31.36 points. The selection committee is pleased to announce Xiaoping Yang as the 2006 C-CRAM award winner. The selection is based on points from publication, grant, presentation and patent.

I. 2006 National or International Service (grant reviewer & editor etc):
(1). International or national ad hoc grant reviewer: Dr. Sreejayan – American Diabetes Association; Dr. Ren – American Heart Association, National Institute of Health, Singapore National Medical Research Council, Swiss National Science Foundation & Faculty of European Diabetes Association.
(2). Dr. Ren – Associate Editor-In-Chief, Medjaden Scientific Publishing Services Ltd., Hong Kong, China; Editorial board member of 5 international and national journals.

J. 2006 C-CRAM Student Graduation:
Tom Doser and Sara Babcock graduated from University of Wyoming during spring 2006.
Feng Dong: PhD December2006 Dissertation: Role of leptin in obesity-associated cardiac dysfunction.

K. 2006 NHL Stanley Cup Playoff hockey pool winners:
First place: Delwar Hussain; Second place: Feng Dong; Third place: Xiaoping Yang.

Best wishes for a more successful 2007!!!