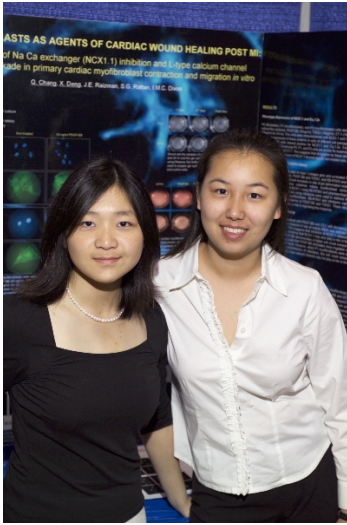


CWSF 2006 - Saguenay, Québec



Rose Chang, Xijun Deng

Myofibroblasts As Agents of Cardiac Wound Healing Post MI

Division: Life Sciences

Category: Senior

Region: Winnipeg Schools

City: Winnipeg, MB

School: Kelvin High School

Abstract: This study deals with currently unknown aspects of myofibroblast physiology responsible for the wound healing process after myocardial infarction with respect to activation of calcium transport proteins. The modes of calcium flux into and out of the cells through various channels embedded in the plasma membrane are investigated to study the role of calcium in cell migration and contractility in the heart after myocardial infarction.