

CWSF 2006 - Saguenay, Québec



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The "Solution" to LSS-Induced Cell Cycle Arrest

Division: Life Sciences

Category: Senior

Region: Greater Vancouver

City: Vancouver, BC

School: Sir Winston Churchill Secondary

Abstract: Our project focussed on the effects of laminar shear stress (LSS) on cell growth. Studies have shown that continuous exposure to LSS causes cell cycle arrest. LSS is dependent on the viscosity of the fluid yielding the force. By targeting the viscosity of blood, we attempted to alter the levels of LSS yielded by the blood's flow in an in vitro simulation.

Awards	Value
Honourable Mention - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$100
Total	\$100