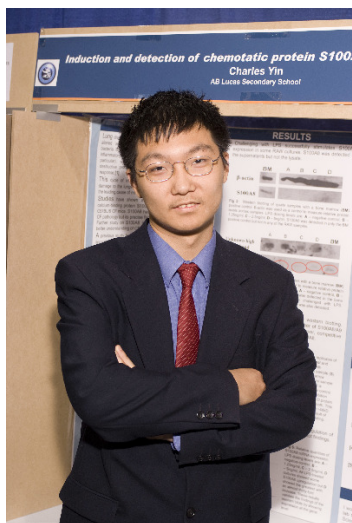


CWSF 2010 - Peterborough, Ontario



Induction and detection of chemotactic protein S100A8 in RAW 264.7 cells

Division: International

Category: Senior

Region:

City: ,

School:

Abstract: This study was performed to establish an in vitro basis for examining the effects of the chemokine S100A8 in cystic fibrosis lung disease. S100A8 expression was induced in RAW 264.7 macrophage using LPS. Western blotting and qRT-PCR were performed to detect S100A8 expression. Results show a clear upregulation of S100A8 on the genomic and proteomic levels and thus establishes a basis for further study.

Awards	Value
The Canadian Society for the Weizmann Institute of Science Scholarships Joseph W. and Joel Anthony Leon Kerbel Scholarship Sponsor: The Canadian Society for the Weizmann Institute of Science (Weizmann Canada)	\$9 400
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Bronze Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$300
Total	\$11 700