

CWSF 2006 - Saguenay, Québec



Prashanthi Baskaran

Allergenic Characterization of Two New *Penicillium* Species ? A Step Towards Allergen Vaccines

Division: Biotechnology

Category: Intermediate

Region: Ottawa

City: Ottawa, ON

School: Elmwood School

Abstract: Molds have a predominant influence on humans. The purpose was to determine the biochemical and immunological properties of *Penicillium brevicompactum* and *Penicillium viridicatum*. Using an eight patient pool of serum Bradford Protein Assay, SDS-PAGE and Immunoblotting were performed. Data gathered quantified proteins that cause allergic reactions to humans. To de-synthesize allergic patients, cloning studies were carried out that could lead to obtaining vaccines.

Awards	Value
Canadian Society for Medical Laboratory Science Award Intermediate Sponsor: Canadian Society for Medical Laboratory Science	\$750
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Rx&D Health Research Foundation	\$700
Total	\$2 950