ESPC 2009 - Winnipeg (Manitoba)

Sarah Hyslop

Horseshoe Crabs- Beneficial Blue Bloods

Division: Biotechnologie / Innovation environnementale
Catégorie: Junior
Région: Calgary Youth
Ville: Calgary, AB
École:

Sommaire: This project studied the Horseshoe Crab and its medical uses. The clotting of its blood when in contact with bacterial endotoxins resulted in the creation of Limulus Amoebocyte Lysate, which ensures the purity of injectable medicines. Its blood is also used in the search for cures for various diseases, including Cancer and Aids. Anatomy, environmental importance, threats to populations and conservation efforts are also addressed.

Biographie
My name is Sarah Hyslop and I am a grade 8 student. This is my fourth year in the Calgary Youth Science Fair and my first year at the Canada Wide Fair. My previous projects were "Bats and their Benefits", winning the Professional Biologists of Alberta Award,"Can Cats See in Color?", receiving the Alberta Teachers Award, and "Spectacular Spider Silk", receiving the Genome Alberta Award. This year, my project, "Horseshoe Crabs:Beneficial Blue Bloods" won the Biochemistry and Experimental Biology Award and the Alberta Heritage Foundation Award of Excellence. Besides science and animals, I enjoy scuba diving, and have been a junior open water diver for two years. My most exciting dive so far has been seeing a five foot Nurse Shark. Trampoline, tumbling, skiing, playing Wii and reading keep me busy. I have been a volunteer at Fish Creek Park for four years, helping to catch, measure and mark garter snakes. I also enjoy acting, have had roles in four movies, and do voice work for radio and TV.

Prix	Valeur
Bourse d'études de l'Université Western Ontario Médaillé de bronze - Bourse de début d'études de 1 000 $ Commanditaire: Université Western Ontario	1 000,00 $
Médaille de bronze - Biotechnologie et les sciences pharmaceutiques Junior Commanditaire: Sciences jeunesse Canada	300,00 $
Total	1 300,00 $