THE NOVA SCOTIAN INSTITUTE OF SCIENCE
STUDENT SCIENCE AWARDS 2005

Purpose
To provide an opportunity for students to have their work recognized by a scientific society and to have it considered for publication in a peer-reviewed scientific journal.

Eligibility
The competition is open to any student currently enrolled in a degree program at a recognized educational institution.

Categories and prizes

Undergraduate student
Three broad categories for competition:

- Environmental Sciences e.g. terrestrial ecology, marine biology, atmospheric sciences, earth sciences etc.
- Life Sciences e.g. animal and plant cell biology, medical sciences, biochemistry, physiology etc.
- Physical Sciences e.g. physics, chemistry, engineering, mathematics, computer science etc.

Three undergraduate prizes are available in each of these three categories:

1st prize $200 plus one year’s membership to NSIS
2nd prize $100 plus one year’s membership to NSIS
3rd prize one year’s membership to NSIS

Graduate Student
Any discipline
Single prize of $500 plus one year’s membership to NSIS

Scientific Writing
For an article written by a student in a non-scientific discipline
Subject must be relevant to science in Nova Scotia
Single prize of $200 plus one year’s membership to NSIS
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The Graduate Student Prize was awarded to:
David M. Conrad
PhD Student Microbiology and Immunology
Dalhousie University
for
“Clear as mud: the type I/type II model for death receptor-induced apoptosis”

The Graduate Student Special Prize for High Merit was awarded to:
Jane E. Tougas
Masters Student Computer Science
Dalhousie University
for
“A comparison of methods for modifying the partial singular value decomposition in latent semantic indexing”

The Undergraduate Student Prize in the Life Sciences was awarded to:
Mark Wall
BSc Student Chemistry
University College of Cape Breton
for
“Growth and phenyalanine ammonia lyase activity of Rhodotorula glutinis: optimization of conditions for the synthesis of L-phenylalanine”

The Undergraduate Student Prize in the Physical Sciences was awarded to:
Jackie Glister
BSc Student Physics
Saint Mary’s University
for
“Design study of novel light geometry for scintillation counters”

The Scientific Writing Prize was awarded to:
Jennifer Paterson
School of Journalism
University of King’s College
for
“Rational drug design: a window into the ambitious quest of a neurologist and chemist”