



NSIS 150th Anniversary Free Public Talk

Dying to Live:

The Role of Programmed Cell Death in Plant Development

Speaker: **Dr. Arunika Gunawardena**

Department of Biology, Dalhousie University

Programmed cell death (PCD) is a genetically encoded, active process which results in the death of individual cells, tissues, or whole organs. PCD has been studied most extensively in animal cells where it plays a major role during development. As in animals, PCD plays an important role in plant development and defense and occurs throughout a plant's life cycle, from the fertilization of the ovule to the death of the whole plant. One of the fascinating examples of PCD in plant development is perforation (hole) formation in the lace plant (*Aponogeton madagascariensis*) leaves. This lecture will focus on plant PCD and the unique lace plant as an excellent model for studying PCD.

Photo credit: Adrian Dauphinee, Gunawardena Lab



Monday, Nov. 5, 2012

7:30pm

Museum of Natural History Auditorium

1747 Summer St., Halifax

All are welcome!

See "A Day in the Life" profile of Dr. Gunawardena at:
<http://tinyurl.com/a-gunawardena>

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<http://www.chebucto.ns.ca/Science/NSIS/>

