

NSIS 150th Anniversary Free Public Talk

Dying to Live:

The Role of Programmed Cell Death in Plant Development Speaker: Dr. Arunika Gunawardena

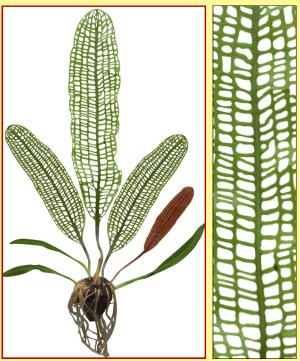
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Programmed cell death (PCD) is a genetically encoded, active process which results in the death of individual cells, tissues, or whole organs. PCD has been studied most extensively in animal cells where it plays a major role during development. As 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



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



Monday, Nov. 5, 2012 7:30pm

Museum of Natural History Auditorium 1747 Summer St., Halifax *All are welcome!*

The Nova Scotian Institute of Science: Promoting Science in Nova Scotia since 1862. http://www.chebucto.ns.ca/Science/NSIS/

