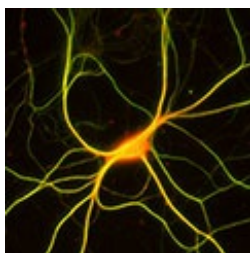


## SPIDER crew departs for Antarctica



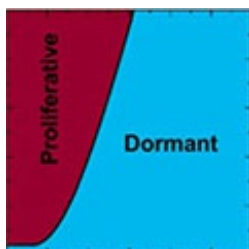
In December, researchers from Princeton University and collaborating institutions will launch an instrument called SPIDER into the skies above Antarctica to study the birth of the Universe. [Follow the project on the SPIDER blog.](#)

## Immune proteins moonlight to regulate brain-cell connections



Researchers from Princeton University and the University of California-San Diego (UCSD) found that an immune-system protein called MHC I, or major histocompatibility complex class I, moonlights in the nervous system to help regulate the number of synapses, which transmit signals between neurons.

## What makes a tumor switch from dormant to malignant?



A new computational model developed in the laboratory of Salvatore Torquato, a professor of chemistry at Princeton University, offers a way to probe the conditions surrounding tumor dormancy and the switch to a malignant (proliferative) state.

## Faculty Focus: Tali Mendelberg on why women don't always find power in numbers



Increasing the number of women in decision-making groups isn't necessarily enough to give them greater power, according to researchers at Princeton University and Brigham Young University.

### Events

*Free and open to the public*

**Tues. Nov. 4, 10:00 am - 5:00 pm**

**Trusting Human Safety to Software: What Could Possibly Go Wrong?**

Planned topics include medical devices and automotive software.

*Friend Center  
Convocation Room,  
Princeton University*

**Now through Jan. 25, 2015**

**Nova Caesarea: A Cartographic Record of the Garden State.** An exhibition of historic maps of New Jersey.  
*Main Gallery, Firestone Library, Princeton University*

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