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## News From the Field

Penn researchers show nuclear stiffness keeps stem cells and cancer cells in place

**February 24, 2014**



Adult stem cells and cancer cells have many things in common, including an ability to migrate through tiny gaps in tissue. Both types of cells also experience a trade-off when it comes to this ability: Having a flexible nucleus makes migration easier but is worse at protecting the nucleus' DNA compared to a stiffer nucleus. Nuclear proteins that regulate nuclear stiffness are therefore thought to control processes as diverse as tissue repair and tumor growth. [Full Story](#)

### Source

University of Pennsylvania

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