

October 2013 Newsletter

[Current Events in Context](#) | [New Courses](#) | [Updated Courses](#)  
[Highlights for High School](#) | [Views from Supporters](#)

**Current Events in Context: New Technique for Hair Growth**



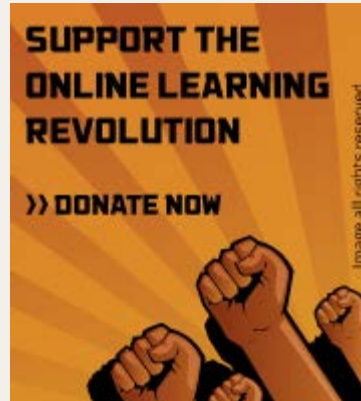
Hair loss affects millions of people. Image courtesy of [eoshea](#).

In a [recent study](#), published in the Proceedings of the National Academy of Sciences of the United States of America, scientists have reported a new method of generating human hair. These scientists have successfully grown human hair by manipulating cell culture conditions, cloned the cells in tissue culture, then grafted this new hair onto mice. The initial results show new hair growth that have lasted about six weeks.

If the study successfully makes it through clinical trials, its applications may be able to help millions of people who suffer from hair loss or thinning hair and may not be candidates for current hair transplant therapies.

The following courses take a look at the underlying science and biology of cells and cellular growth.

- [7.013 Introductory Biology's](#) video lecture on stem cells, which may be the foundation for which biologists can model tissue or organ repair. There's also a segment on hair growth and hair cycle.
- [7.342 Developmental and Molecular Biology of Regeneration](#) which critically examines classic and modern scientific literature about the developmental and molecular biology of



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regeneration.

- [Resource Listing for Reproduction/Growth/Development](#) which includes topics such as growth and differentiation, stem cells-self renewal, regeneration and stem cells and transplant assays.

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### New Courses

- [17.581 Riots, Rebellions, Revolutions](#)
- [21W.035 Science Writing and New Media: Elements of Science Writing for the Public](#)

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### Updated Courses

- [17.871 Political Science Laboratory](#)
- [21L.006 American Literature](#)

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### Highlights for High School



Teachers and students interact during an introductory astronomy class. Image courtesy of [NASA](#).

Teachers, did you know there is a space just for you on the newly redesigned Highlights for High School website?

The "For Teachers" section will show you ways of integrating the open educational resources into your teaching, provide examples of how other teachers are using this site, and can answer all of your burning questions about Highlights for High School in the classroom. Enjoy!

> [Visit For Teachers on Highlights for High School](#)

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### Views from Supporters

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