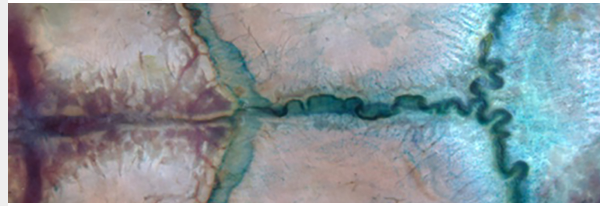


USC Stem Cell

SUPPORT



USC researchers regenerate skull tissue using stem cells and 3-D printed scaffolding in swine

The discovery, made by a research team led by stem cell scientist Yang Chai at the Ostrow School of Dentistry of USC, could soon improve the lives of human beings with critical size cranial defects.

[\(more ...\)](#)

Recent News

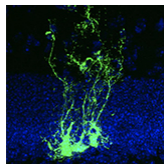
- [Pituitary puzzle gets new piece, revising evolutionary history](#)
- [Is this the game changer we've been waiting for in craniosynostosis?](#)
- [Study identifies molecular "switch" that turns precursors into kidney cells](#)
- [Justin Ichida and Dion Dickman: USC's coolest tenured professors from Hawaii](#)
- [Scientist Amy Ryan studies diseases from cystic fibrosis to COVID-19](#)
- [New faculty member Albert Almada puts muscle into stem cell research](#)
- [Marcella Birtele named Choi Family Postdoctoral Fellow](#)
- [PhD student Tracy Tran: The journey of a budding developmental biologist](#)
- [Alumna Rekha Prakash brings biotech background to Roosevelt High School](#)



As a graduate of USC's stem cell master's program, Eli Bosnoyan celebrates a Trojan Family that stretches from Syria to South LA

When Eli Bosnoyan first set foot on the USC campus, he was a six-year-old boy from Aleppo, Syria, visiting relatives in Los Angeles during his summer vacation.

[\(more ...\)](#)



Do our brains age faster than the rest of our bodies?

If you feel your brain power diminishing as you advance into middle age and beyond, blame your neural stem cells. In a new study published in *Cell Stem Cell*, a team led by USC Stem Cell scientist Michael Bonaguidi demonstrates that neural stem cells—the stem cells of the nervous system—age rapidly.

[\(more...\)](#)



USC celebrates Robert E. Maxson's lifetime of achievement and adventure

USC Emeritus Professor Robert E. Maxson has an understated explanation for why he's flown so many planes, sailed so many boats, skied so many mountains, played so many guitars, taken so many trips to Antarctica, and studied so many different aspects of developmental biology.

[\(more ...\)](#)

About USC Stem Cell

USC Stem Cell is a collaborative and multi-disciplinary effort working to translate the potential of stem cell research to the clinical imperative of regenerative medicine.

The initiative brings together more than 100 research and clinical faculty members from the Keck School of Medicine of USC, Children's Hospital Los Angeles, the USC Viterbi School of Engineering, the USC Davis School of Gerontology, the USC Ostrow School of Dentistry of USC, the USC School of Pharmacy and the USC Dornsife College of Letters, Arts and Sciences.

Stem Cell FAQs

What are stem cells?

Stem cells are primitive, unspecialized cells with 2 key properties: self-renewal and the ability to differentiate into the cells that make up tissues of the body.

What is regenerative medicine?

Drawing on the knowledge of stem cells, regenerative medicine uses the body's developmental and repair mechanisms to restore damaged cells, tissues and organs—providing new opportunities to treat conditions ranging from blindness to cancer, from organ failure to HIV.

Website: stemcell.keck.usc.edu

Twitter: twitter.com/uscstemcell

Facebook: facebook.com/uscstemcell

To unsubscribe, email stemcell@usc.edu.