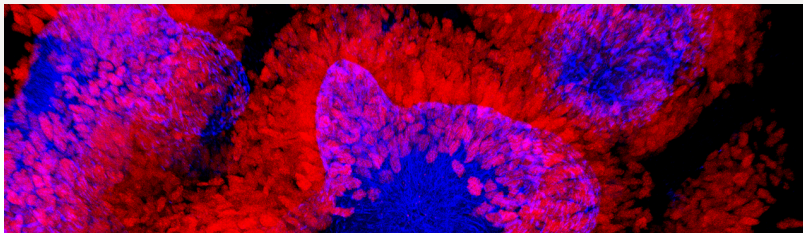


USC STEM CELL



Summer 2026



NEWS



RESEARCH FACILITIES

USC launches a new Center for Stem Cell Engineering on the Health Sciences Campus

A collaboration between the Keck School of Medicine of USC and the USC Viterbi School of Engineering, the center will use stem cell engineering to uncover disease mechanisms and advance new therapies.

[Read more about USC's Center for Stem Cell Engineering.](#)

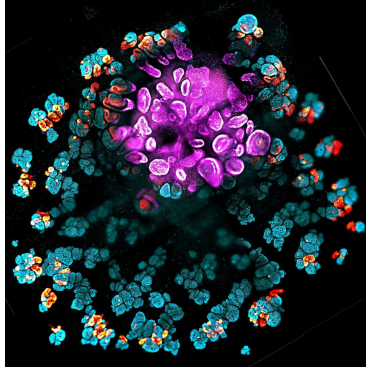


FACULTY

USC honors stem cell leader Andy McMahon with a lifetime achievement award

The award recognizes McMahon's career advancing developmental biology and building scientific communities, including USC Stem Cell.

[Read more about Andy McMahon.](#)

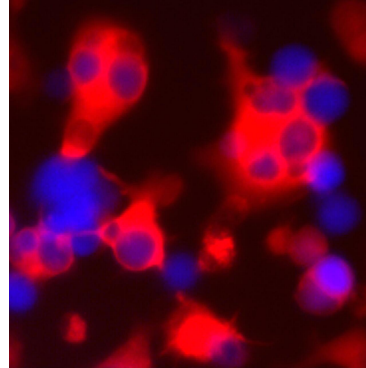


RESEARCH

USC Stem Cell scientists engineer “synthetic organizer” cells to improve kidney organoids

Mapping the human kidney, researchers discovered an unrecognized developmental axis and engineered “synthetic organizer” cells to recreate key developmental signals, producing improved lab-grown organoids for studying disease and therapies.

[Read more about the Science paper.](#)

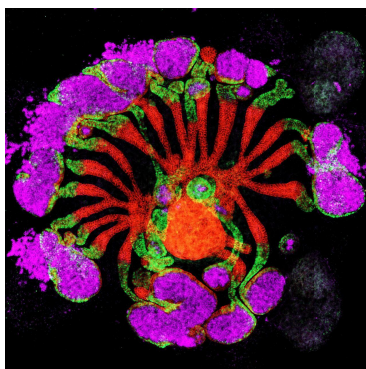


RESEARCH

USC Stem Cell-led team creates a renewable cell source for cancer immunotherapy and beyond

Researchers developed a way to grow and genetically engineer the progenitor cells that give rise to macrophages, a type of first-responder immune cell that shows promise for developing immunotherapies for cancers and other diseases. The research is published in Cell.

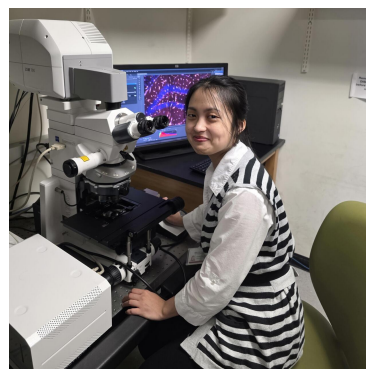
[Read more about the Cell paper.](#)



RESEARCH

USC researchers launch study of the most complex lab-grown kidney structures

A \$2.1 million CIRM grant supports a project designed to understand how mature lab-



EDUCATION

Student Wynn Nguyen aims to shift paradigms in Alzheimer's research

A PhD student in the USC Stem Cell lab of Michael Bonaguidi, Nguyen was awarded a

grown kidney structures, which combine filtering and urine-collecting components, can improve the study of disease and therapies.

[Read more about the grant project.](#)

grant from the Cure Alzheimer's Fund for studies aiming to stimulate growth of new brain cells and, ultimately, reverse the course of dementia.

[Read more about Nguyen.](#)



EDUCATION

Meet the scholarship recipients in USC's stem cell master's program

Four scholarship recipients combine medicine with mentorship and science with service.

[Read more about the master's students.](#)



EDUCATION

Undergraduate stem cell research takes the spotlight at COMPASS symposium

USC Stem Cell prepares undergraduates to present research and become the future regenerative medicine workforce.

[Read more about the COMPASS event.](#)

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