Providing Interdisciplinary Resources in Regenerative Medicine

Researchers work collaboratively to investigate and pioneer new treatments such as stem cell therapy for advanced heart disease.

**Description:** The project helped launch the Regenerative Medicine Program on campus by supporting key core services, including an immunology core to understand how cells can be successfully transplanted without being rejected by the immune system and an imaging core to track transplanted cells at the microscopic level.

**Relevance:** These interdisciplinary resources support stem cell research and the ultimate translation of research to new therapies for degenerative diseases of the brain, heart, blood and joints.

**Results:** The Regenerative Medicine Program and associated cores provided the cornerstone to establish the Stem Cell and Regenerative Medicine Center at UW-Madison in 2007, which currently includes more than 80 faculty members spanning disciplines ranging from basic biology to clinical medicine. Center investigators have worked collaboratively to develop cell-based therapies and conduct clinical trials such as stem cell therapy for advanced heart disease.

Center faculty have successfully competed for more than a dozen grants and published more than 30 reports. Now funded by the UW Foundation, the UW School of Medicine and Public Health and UW Graduate School, the center also provides unique educational opportunities for the public and K-12 students.

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**REGENERATIVE MEDICINE PROGRAM**

**Principal Investigator:** Timothy Kamp, MD, PhD, Medicine, SMPH  
Co-Principal Investigator: William Burlingham, PhD, Surgery, SMPH  
Co-Principal Investigator: Clive Svendsen, PhD, Anatomy, SMPH  
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**Grant Program:** Targeted Education and Research  
**Award:** $1,106,250 over four years