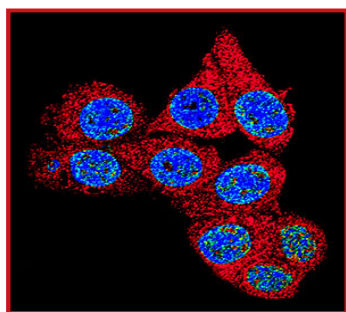




Stem Cell & Regenerative Medicine Center

UNIVERSITY OF WISCONSIN-MADISON

Enjoy our Spring Semester 2019 newsletter. For more updates, visit the [SCRMC](#) on Facebook and [UWSCRMC](#) on Twitter. Have a wonderful summer, everyone!



Wisconsin Stem Cell Symposium focuses on immune tolerance and immunotherapy

[“Stem Cells: Immune Tolerance and Immunotherapy”](#), April 17 at the [BioPharmaceutical Technology Center Institute](#) in Fitchburg, WI, highlighted advances in immunotherapies as well as efforts to understand and overcome immunological barriers to cell-based therapies. Thank you to our generous sponsors, to Karin Borgh and the team at BTCL, to our presenters, organizers, moderators, poster competitors and judges, and to all attendees for an excellent symposium! Enjoy Sue Gilbert’s symposium [photo album here](#). (Top image at left courtesy of Dr. Pradyut Paul and the Galipeau Group, UW-Madison. All other images by S. Gilbert.)



Congratulations to our poster contest winners:

- **First place:** [Jose M. Ayuso](#), Ph.D., University of Wisconsin–Madison, Morgridge postdoctoral fellow, medical engineering, for “Microfluidics and oncoimmunology: new in vitro tools to study solid tumor immunotherapy.” Jose M. Ayuso, Regan Truttschel, Maria Virumbrales-Munoz, Max Gong, Mouhita Humayun, Manish Patankar, Paul Sondel, Karl B. Wisinski, David J. Beebe, Melissa C. Skala.
- **Second place:** [Katie Mueller](#), University of Wisconsin–Madison, graduate student, biomedical engineering, for “Non-destructive high-content analysis of heterogeneity in CAR T cell immunotherapies.” Katie Mueller, Alex Walsh, Nicole Piscopo, Isabel Jones, Krishanu Saha, Melissa C. Skala.
- **Third place:** [Dario Gerace](#), Ph.D., Harvard University, postdoctoral fellow, for “In vitro protection of SC-islet cells from NK cell cytotoxicity.” Dario Gerace, Doug Melton.



Six receive *SCRMC 2019 training award*

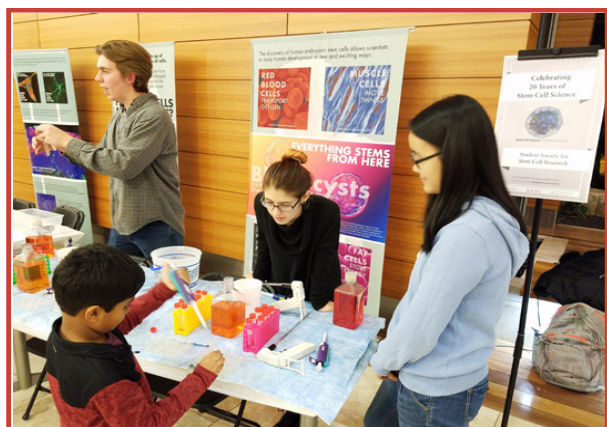


We are happy to announce our postdoctoral, graduate and honorary graduate training award winners for 2019! The [SCRMC Training Awards Program](#) was established in 2008 to recognize and provide support for promising graduate students and postdoctoral fellows conducting stem cell and regenerative medicine research at the University of Wisconsin-Madison. The program provides unique, interdisciplinary training for future leaders in stem cell and regenerative medicine research. Additionally, this program aims to foster interdisciplinary collaborations among campus investigators.

Featured Researcher: Elite research award winner at forefront of stem cell research for cartilage repair



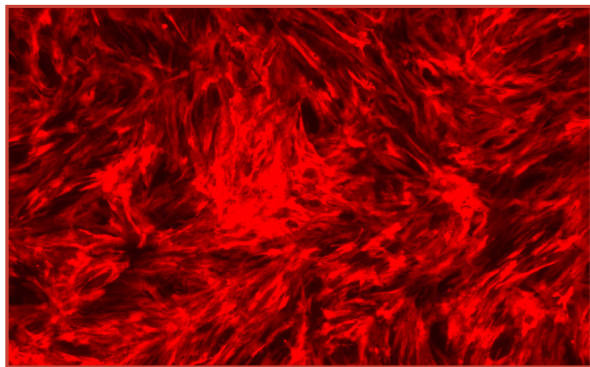
[Brian Walczak, DO](#), UW Health, School of Medicine and Public Health has received a [New Investigator Recognition Award \(NIRA\)](#) at the 2019 Orthopaedic Research Society Annual Meeting for his research to investigate chondrogenesis of rejuvenated mesenchymal stem cells. His study, "Epigenetically reprogrammed synovial fluid-derived mesenchymal stem cells demonstrate enhanced therapeutic potential for treatment of chondral disease," was one of only 15 selected internationally from a field of over 2,000 submitted abstracts. [Read full article here.](#)



Fast Fact

SCRMC scientists, staff and students have directly engaged more than 50,000 people in learning about stem cells and regenerative medicine in the past 10 years through our school and public outreach programs on and off campus.

SCRMC Science and Faculty in the News



[A new way to wind the development clock of cardiac muscle cells](#) (Kamp) May 14, 2019

[Stem cell scientists clear another hurdle in creating transplant arteries](#) (Thomson) May 9, 2019

[‘Bad guy’ fibrocytes could help rebuild damaged tissue](#) (Welham) May 8, 2019

[42 faculty honored with Vilas professorships and awards](#) (Shusta) May 8, 2019

[Faculty receive WARF, Kellett, Romnes awards](#) (Kimble, Cai) May 2, 2019

[Orthopedic injury therapy in rodents may soon be headed to the clinic](#) (Vanderby, Chamberlain, Hematti) April 26, 2019

[Novel approach promises ready access to hard-to-study proteins](#) (Ge) April 16, 2019

[Secondary insult reveals etiology of gata2 enhancer mutation-associated blood disorder](#) (Bresnick) April 12, 2019

[Four faculty receive 2019 Hilldale awards](#) (Schuler) March 28, 2019

[Twice as nice: Skala earns pair of fellow honors](#) (Skala) March 25, 2019

[UW program for advanced cell therapy launches first clinical trial](#) (Galipeau) February 13, 2019

[Video: stem cells, lab to clinic](#) (Gamm, Murphy) February 7, 2019

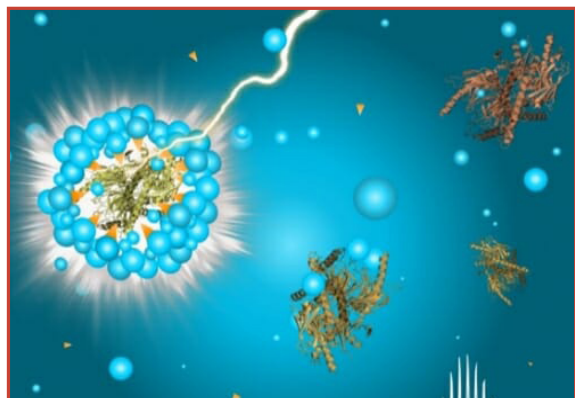
[First Carbone Cancer Center patient receives experimental therapy to prevent infections during chemotherapy](#) (Hematti) December 20, 2018

[Murphy’s law: make materials with biology in mind](#) (Murphy) December 11, 2018

[New gene editing tool drives stem cell services and discovery](#) (Bhattacharyya, Zhang) Dec 11, 2018

[Sisters pioneer new kidney transplant at UW that includes immune system](#) (Hematti) Dec. 2, 2018

[20 years after the growth of human embryonic stem cells at UW, science faces new frontiers](#), October 31, 2018. This story was one of many UW–Madison and local news and feature stories released last fall to recognize the 20th anniversary of James Thomson’s successful isolation and culture of human embryonic stem cells in 1998. Please visit our SCRMC [news page](#) to see more coverage of this milestone, recognized and celebrated around the world, along with the progress it propelled in science and medicine.



Save the Dates!



September 13-15, 2019

[International Society for Cell & Gene Therapy \(ISCT\) North America 2019 Regional Meeting](#)

Monona Terrace Community and Convention Center, Madison, Wisconsin



September 20, 2019

9th Annual SCRMC Fall Conference

This conference is organized by our 2019 SCRMC training award winners. (See article above.)

Union South Varsity Room

New SCRMC Alumni LinkedIn Group



We now have a [LinkedIn UW–Madison SCRMC Alumni Group](#)! We're excited to provide a place for UW–Madison graduates who were active in our SCRMC member labs and programs to network with fellow graduates, many of whom helped us build our center over the past 12 years. Any alum who would like to stay in touch with the SCRMC and one another after graduation is welcome to send a connection request to the group. We sincerely appreciate our students' contributions to our faculty member labs, as well as to our student stem cell organizations, fellowship and training programs, weekly seminar series, stem cell certificate program, conferences, outreach and more.

Parting video



[How a Wisconsin discovery revolutionized medical research: BTN LiveBIG](#)

By John Tolley

April 2019

JOIN THE SCRMC

Are you a UW-Madison faculty or staff member, or a student interested in stem cell and regenerative medicine research?

If so, the SCRMC is your central point of contact for information and education, faculty interaction, and facilitation for research and clinical development.

Operating under the [School of Medicine and Public Health](#) and the [Office of the Vice Chancellor for Research and Graduate Education](#), our center's goals are to:

Maintain UW-Madison as leader in stem cell and regenerative medicine research and application.

- Foster increased communication about the field within campus and beyond.
- Support basic and translational research, clinical application, and sound bioethics and public policy decisions.
- Develop education, training and outreach programs.
- Enhance philanthropic support.

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Please contact [Jordana Lenon](#) if you have trouble reading this newsletter and need a more accessible format. If you supervise staff who do not have easy access to email, please print and post for all to read.

For more updates, join us on [Facebook](#), [Twitter](#), or on our [website](#).

MOVING? NEW JOB?

CHANGE OF EMAIL ADDRESS?

[Please let us know](#) so we can keep in touch.

Thank you!

MAKE A GIFT TO THE SCRMC

The University of Wisconsin-Madison is a leader in stem cell and regenerative medicine research, with many landmark discoveries, including the first successful isolation and culture of human pluripotent stem cells in 1998 by James Thomson and colleagues.

We are working hard to uncover the fundamental processes of human health and disease to create revolutionary new therapies for a broad range of diseases.

Won't you join us in our important mission? Thank you for reading and for your support!

Sincerely,
[Dr. Tim Kamp, Director](#)

[Dr. Randolph Ashton,
Associate Director](#)

[Sue Gilbert, Program
Administrator, Website](#)

[Jordana Lenon, Outreach,
Newsletter Editor](#)

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