



## “LAB ON THE LAKE”



J. Miller

***LAB ON THE LAKE IS FREE AND OPEN TO THE PUBLIC!***

***A celebration of stem cell research... a window into the life-saving future of regenerative medicine... the World Stem Cell Summit's first-ever free, all-day, activities-packed public event designed to inform, educate, stimulate and entertain students, teachers, patients, families, and citizens of all ages and interests.***

The World Stem Cell Summit is hosted by the Genetics Policy Institute, University of Wisconsin Stem Cell and Regenerative Medicine Center, and WiCell Research Institute. Summit Chairs are Timothy Kamp, UW-Madison, Bernard Siegel, Genetics Policy Institute, and Clive Svendsen, UW-Madison.

**Sunday, Sept. 21, 2008, Pyle Center, UW-Madison**

**9 am–11 am (Main Dining Room-Lower level)**

**Student Society for Stem Cell Research Annual Meeting & Breakfast**

**Guest speakers: Dr. Clive Svendsen & Bernard Siegel**

The new Madison Chapter of the SSSCR has invited and so far confirmed that 15 chapters from around the country will attend this annual meeting. The goals are to network and discuss strategies for increasing membership and activities designed to ensure that today's undergraduates, graduates and post-graduates are receiving the highest level of education in stem cell and regenerative medicine disciplines and are well poised with critical knowledge of cutting-edge scientific and medical technology as well as bioethics, economics, law, social studies and related fields to enter the work force of this growing, multi-billion dollar industry.

**11 am–noon (Lee Lounge)**

**Welcome & “Stem Cells 101” with Dr. Gabriela Cezar**

Dr. Gabriela Cezar is a UW-Madison scientist studying neurodevelopmental disorders, including autism, and also researching cancer. She is using stem cells for drug discovery and toxicology studies. She is the chief scientific officer of Stemina, which discovers and validates small molecules as biomarkers for high throughput drug screening disease diagnostics in an all-human system. Gabby has also received numerous accolades for being an enthusiastic and accomplished public speaker on the promise and reality of stem cell research.

**11:30 am–2:30 pm (AT&T Lounge, Alumni Lounge)**

**Career & Education Fair**

Projected to become a \$500 billion industry over the next 20 years, regenerative medicine and stem cell technologies provide exciting career and education opportunities for students. The goal of the Career and Education Fair is to provide career and educational information to scientists, undergraduate and graduate students, as well as engaging and informative activities for the public. More than 30 companies, non-profits, and academic entities will be part of this great opportunity to reach out to the Madison community and future leaders in the stem cell field.

**11:45 am–12:45 pm (Room 335)**

**Student Society for Stem Cell Research Panel**

The Student Society for Stem Cell Research (SSSCR) is hosting this panel for its membership, with increased opportunities for education, enlightenment and networking among students invested in this exciting area of science and medicine.

**11:30 am–1 pm (Auditorium)**

**Stem Cell documentary: *Terra Incognita***

“Terra Incognita” describes Northwestern University neurologist Jack Kessler’s personal and professional quest to use stem cell technology to discover a cure for spinal cord injury. It follows the collegiate and sports activities of his daughter Allison, who became paralyzed in a skiing accident, and also highlights the frustrations and successes of the graduate students working in Kessler’s lab. The movie has appealed to patients, students, scientists and many others. The movie’s producers are UW-Madison alumnae and will be present at Lab on the Lake for this showing. (2007, 83 minutes, <http://kartemquin.com/films/terra-incognita>)

**12 pm–4 pm (Room 112)**

**“Lab on the Lake” — Hands-on stem cell lab outreach experience.**

**On the hour, 45-minute sessions with last session beginning at 3 p.m.**

**Walk-ins welcome as space allows, or sign up early at the hospitality table in the lobby for the session of your choice.**

This is the cornerstone event for “Lab on the Lake”. Led by Dr. Rupa Shevde, the WiCell Research Institute, in partnership with the UW-Madison Stem Cell and Regenerative Medicine Center (SCRM), will provide the opportunity to experience the actual stem cell culturing methods that real researchers use. “Lab on the Lake” puts the power of doing science, not just hearing about it, into the hands of anyone who wants to learn the “how” behind the “why.” Educators have for a long time known that learning the “how” leads to a better understanding of the “why” and that in this case, not only leads to increased support for stem cell science, but increased appreciation for the scientific method overall. Thousands of people have already enjoyed this experience through WiCell/SCRM.

**12 pm - 3 pm (Room 111)**

**“Lab on the Lake” - Hands-on bioluminescence reporter gene lab experience.**

**On the hour, 45-minute sessions with last session beginning at 2 p.m.**

**Walk-ins welcome as space allows, or sign up early at the hospitality table in the lobby for the session of your choice.**

Have you ever wondered how scientists can track changes in cells? Bioluminescence uses click beetle luciferase to demonstrate the transfer of a gene into another species. Participants will perform a simulated genetic transformation, which transfers the luciferase gene, and the ability to make bioluminescent light, into bacterial cells. Next, they will be able to see the results of the genetic transfer as light. Staff from the BioPharmaceutical Technology Center Institute (BTCI) will lead three hands-on sessions starting at 12:00pm, 1:00pm, and 2:00pm. Participants of all ages can explore this technique.

**1-2 pm (Lee Lounge)**

**“Stem Cells 101” with Dr. Rupa Shevde**

Dr. Rupa Shevde is a senior scientist and director for education and outreach at WiCell Research Institute/ Stem Cell & Regenerative Medicine Center. Her background and work in both science and outreach together make her a perfect fit for “Lab on the Lake.” Her team is running the title “wet lab” event. Rupa’s enthusiasm and clear delivery are often praised by audiences at her lectures, workshops, seminars and at WiCell/National Stem Cell Bank, where she has trained hundreds of the world’s top stem cell researchers and students on how to establish a stem cell lab to successfully grow and study stem cells and their derivatives.

**1-4 pm (Room 209, Room 213)**

**Teacher Workshops hosted by the National Association of Biology Teachers, along with the Northwest Association for Biomedical Research and StemCellResources.org. Workshops are from 1-2:30 and 2:30-4. Please register in advance at [nabt.org](http://nabt.org).**

The National Association of Biology Teachers is hosting a set of hands-on workshops in the Pyle Center’s state-of-the-art computer lab for teachers who wish to learn how to better educate the next generation about the biology and promise of stem cell research. Lead by the Biology Teachers Association of New Jersey’s President Bunny Jaskot and Jaclyn Reeves-Pepin of the National Association of Biology Teachers, this highly interactive workshop style will use scavenger hunts and other innovative methods to get teachers and their students excited about science and learning. They will be joined by both Jeanne Chowning, Education Director and Joan Griswold, Education Outreach Coordinator for the Northwest Association for Biomedical Research. Jeanne and Joan will lead participants through a hands-on activity to model “early embryology and stem cell concepts” from their NIH/NCRR funded *Stem Cell: Science and Ethics Curriculum*.

**2 pm–3 pm (Lee Lounge)**

**“Racing to Recovery” with Sam Schmidt of the Sam Schmidt Paralysis Foundation**

The Sam Schmidt Paralysis Foundation (SSPF) helps individuals overcome spinal cord injuries and other neurological disorders by funding scientific research, medical treatment, rehabilitation and technological advances. This research benefits stroke victims and people diagnosed with ALS, Alzheimer’s and Parkinson’s diseases. SSPF funds its national Day at the Races program and quality of life grants to organizations throughout the country benefiting people with paralysis and other life challenges. It also provides college scholarships for people with spinal cord injuries/paralysis. The Foundation works tirelessly in its advocacy efforts both locally and nationally on behalf of the disabled.

**3-8 pm**

**Live music on the Memorial Union Terrace with ProfessirX at 3 p.m., followed by Elf Lettuce at 4, and The Clyde Stubblefield Show from 5-8.**

What better way to engage the public in a proud, festival-like celebration of stem cell research discoveries, increasing understanding and support from the public, and a big Wisconsin welcome to people from all over the world to summit events than with free, live music on the legendary Memorial Union Terrace? Especially when the presentation includes stem cell research advocate Richard Gaskin, also known as “ProfessirX, Soldier for the Cure”, and Madison’s famous and beloved Original Funky Drummer, Clyde Stubblefield, along with his 11-member band? Clyde, too, is an avid supporter of stem cell research. As a cancer survivor, he has told us that he would be especially honored to play for “Lab on the Lake” and help promote the promise of life-saving research.

**2:45–3:50 pm (Auditorium)**

**Stem Cell documentary: *Life is For the Living***

University of Michigan student Michael Rubyan and Deborah Orley produced *Life is for the Living*, the stories of five American families living with the painful realities of Juvenile Diabetes, Parkinson’s, and Spinal Cord Injury set against the national debate over embryonic stem cell research. As the debate continues in Washington and across the country, three generations reveal their challenges, their frustration with the President’s policy, and the hope that more funding for embryonic stem cell research will lead to new treatments and cures to relieve their suffering and save their lives. *Life is for the Living* also explores the science behind stem cell research and the political debate taking place across the nation. The film includes an introduction by CBS 60 Minutes’ Mike Wallace and interviews with the nation’s leading scientific researchers, political leaders, and advocates. (2008, 62 minutes, [www.lifeisfortheLiving.org](http://www.lifeisfortheLiving.org))

**4–5 pm (Lee Lounge)**

**Stem Cell Experts Panel**

**Panelists include James Thomson, Clive Svendsen, Timothy Kamp, Linda Hogle, and James Leonhart**

The Student Society for Stem Cell Research is hosting this experts panel, with UW-Madison’s Dr. James Thomson scheduled to join other accomplished scientists in answering questions pre-selected from the audience’s written submissions. Ryann Petit-Frere, communications specialist, Wisconsin Technology Council, will moderate the panel. Dr. Clive Svendsen and Dr. Tim Kamp are co-directors of the UW-Madison Stem Cell & Regenerative Medicine Center. Dr. Linda Hogle is a professor of bioethics at UW-Madison. Jim Leonhart is the executive director of the Wisconsin Biotechnology & Medical Device Association.

**5:15—7:10 pm (Auditorium)**

**Stem Cell documentary: *Indestructible***

“Indestructible” is a documentary about patient advocate Ben Byer’s quest to better understand ALS, a neurological disorder that leads to the death of motor neurons throughout the entire body and is characterized by progressive muscle atrophy and weakness. Stem Cells hold the promise of both understanding and regenerating lost tissue in ALS. Sadly, Ben Byer, who was a scheduled speaker at this year’s World Stem Cell Summit Sept. 22-23, died in July 2008. Ben’s father, Stephen Byer, is planning to attend the summit and speak in his son’s place. (2007, one hour, 53 minutes, <http://www.indestructiblefilm.com/>)

## **“Lab on the Lake” Event Information**

**Advance registration options: “Lab on the Lake” is free and open to the public.**

Some events, such as the Student Society for Stem Cell Research Annual Meeting, and the National Association of Biology Teachers Workshop require advanced registration:

If you are student interested in joining the SSSCR, please contact Joe Riggs at [mjriggs@ssscr.org](mailto:mjriggs@ssscr.org) (National Society), or Ka Yi Ling at [kling2@wisc.edu](mailto:kling2@wisc.edu) (UW-Madison SSSCR Chapter).

If you are a teacher interested in attending the NABT workshop, please contact Bunny Jaskot at [bunnyj19@aol.com](mailto:bunnyj19@aol.com), or [bunny@btanj.org](mailto:bunny@btanj.org). Register at [nabt.org](http://nabt.org).

For all other events, please inquire on availability and advance registration at the hospitality table in the Pyle Center lobby beginning at 10 am.

**Dining, snacks, beverages:** Snack and beverage vending machines available at the Pyle Center. World famous UW-Madison Babcock Hall ice cream sold next door at the Memorial Union. Dining available at the Lakefront Cafeteria next door at the Memorial Union (inside or terrace seating). State Street offers a variety of restaurants and coffee shops. Library Mall offers outdoor food court stands, weather permitting. The Pyle Center requests no carry-ins, please.

**Participant/Presenter Loading information:** Park in front of Pyle Center to unload boxes and displays. Flat carts with wheels are available at the front desk. Or drive behind the Campus Visitors Center (“Red Gym”) to access Pyle rear loading dock. To reduce congestion, participants are welcome to bring items a few days early. Pyle Center staff will be happy to store in Rm. 111. Set-up begins at 7 a.m. Sept. 21. (Front desk: 608-262-1122)

**Shipping materials in advance:** Participants with display materials and/or literature may also ship items the week leading up to Lab on the Lake, so that they arrive by Friday, Sept. 19, to:

Lab on the Lake  
September 20th - Main Lobby  
University of Wisconsin-Extension  
The Pyle Center  
702 Langdon St., Madison, WI 53706-1420

### **Park, Bus, Taxi, Bike, Walk (Traveling within Madison):**

- Pyle Location and Parking, <http://conferencing.uwex.edu/location.cfm>
- Campus parking information and campus maps, <http://www.vip.wisc.edu/gettingAround.php>. More than 30 campus parking lots are typically free on nights and weekends.
- City of Madison parking lots, meters and fees, [www.cityofmadison.com/parking](http://www.cityofmadison.com/parking). Public parking ramps a few short blocks from the Pyle Center are on Lake Street, Francis Street (under Fluno Center), and on E. Johnson Street.
- Search “bicycle rentals Madison” to easily locate about a dozen places to rent a bike and ask for city bike path routes.

- Search “cabs Madison” to jot down numbers for Madison Taxi, Union Cab, or the shared-ride Badger Cab Company.
- Visit Madison Metro, <http://www.ci.madison.wi.us/metro/>, for convenient bus service information and to plan your routes. (Madison Metro’s #80 campus bus is free.)
- The Pyle Center and Memorial Union are approximately 3 miles from World Stem Cell Summit headquarters at the Alliant Energy Center, Sheraton Madison Hotel and Clarion Suites. (Madison Metro Bus Routes 11, 12 and 13 run between campus/downtown and the Alliant Energy Center.)

**Shortest distance and time from Sheraton Hotel and Clarion Suites to Pyle Center** (with no construction -- as of Sept. 10, 2008--Beltline (Park Street north to campus from Hwy 12/18 had some construction delays):

1. From conference hotels, take JOHN NOLEN DRIVE across Lake Monona Bay 0.6 miles to Broom Street (Stoplights)
2. Turn left on BROOM St. (just before Monona Terrace Convention Center)
3. After 0.1 mi, turn LEFT onto W. GORHAM ST.
4. After 0.2 mi, W GORHAM ST becomes UNIVERSITY AVE.
5. After 0.2 mi, turn RIGHT onto N. LAKE ST. (Stoplights)
6. After two blocks (busy pedestrian area!), turn left onto Langdon St., and the Pyle Center is on your right, 702 Langdon St., Madison, WI 53706.

***Drivers, please watch vigilantly for Madison’s many pedestrians and bicyclists!***

*For more information on the World Stem Cell Summit, please visit [worldstemcellsummit.com](http://worldstemcellsummit.com)*