

February 2015

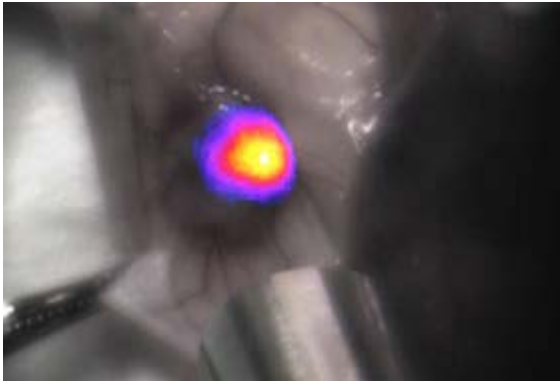
Welcome to our e-newsletter!

The Institute started the New Year off with a bang! We have made breakthroughs in cancer imaging, reached out to high school science students learning about regenerative medicine and one of our research fellows was named to the 2015 Tissue Engineering Young Investigator Council. Registration will soon open for our Regenerative Medicine Essentials Course held July 20-24, 2015. From the science behind groundbreaking discoveries to regulatory and manufacturing challenges, the one-week course provides a comprehensive look at progress to date as well as future applications. Keep up with the work of our researchers throughout the year by listening to our [podcast](#) or following us on [Facebook](#) and [Twitter](#).

All the best,

Anthony Atala

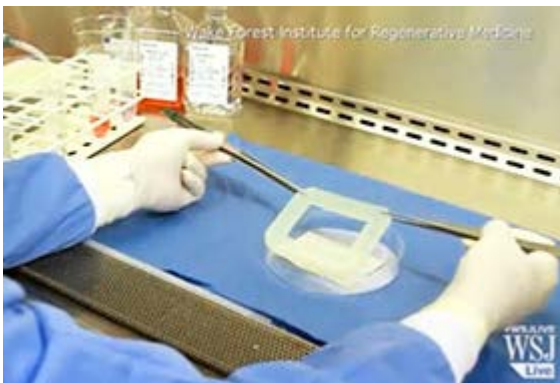
Director, Wake Forest Institute for Regenerative Medicine



[New Invention Aimed at Improving Effectiveness of Cancer Surgery](#)



[Researchers Connect with High School Science Students via Skype](#)



[Vaginal Research Breakthrough Included in Wall Street Journal's *Year in Review*](#)



[Conference Focuses on Restoring Sexual Function to Wounded Warriors](#)

Research Fellow Named to 2015
Young Investigator Council

New Podcast Episode Features
Douglas Losordo, MD - NeoStem

Manufacturing Road Map Proposed
for TERM Technologies

Regenerative Medicine Essentials
Course Registration Opens Mar 1



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WakeHealth.edu/WFIRM

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April 2015

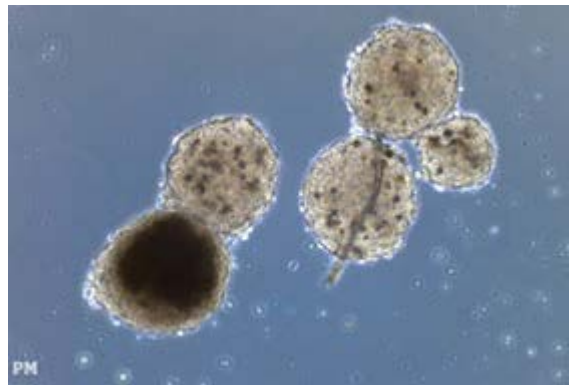
Welcome to our e-newsletter!

From "tumor on a chip" to bioprinting, this issue contains links to articles and videos featuring the institute's latest research. Want to learn even more about regenerative medicine? Registration is now open for the [Regenerative Medicine Essentials](#) course being held July 20-24, 2015 in Winston Salem, N.C. This one-week course, taught by prominent experts, provides attendees a comprehensive look at progress to date as well as future applications. This year we are expanding our offerings by holding pre- and post-course workshops. Early registration is advised because both course and workshop enrollment is limited. We hope you will attend!

All the best,
Anthony Atala
Director, Wake Forest Institute for Regenerative Medicine



[WFIRM is Featured in a WebMD Story about 3D Printing](#)



[Scientists Create Functioning Mini Heart and Liver Organoids for Drug Testing](#)



[Williams Publishes Single-Author Textbook on Biomaterials](#)



[UNC-TV Reports on WFIRM's Tumor on a Chip Research](#)

[Huffington Post's Q & A about Bioprinting](#)

[New Podcast Episode Features Perry Karsen from Celgene](#)

[Researcher Inducted into Hall of Fame](#)

[Register Now for the Regenerative Medicine Essentials Course](#)

June 2015

Welcome to our e-newsletter!

We look forward to a busy and full summer here at the Institute. As part of our Summer Scholars program, we recently welcomed 16 students from universities across the nation to spend 10 weeks performing research under the guidance of WFIRM faculty mentors. We are expecting a full house in July for our week-long Regenerative Medicine Essentials course. Registration for the course is still open if you would like to attend. Some of our featured sessions include "The Secret Lives of Stem Cells: Genomics, Epigenetics, and Cell Therapy" with Dr. Jeanne Loring from the Scripps Research Institute and "Synthesis and Characterization of Polymeric Biomaterials" with Dr. Buddy Ratner from the University of Washington. We hope to see you in July!

All the best,

Anthony Atala

Director, Wake Forest Institute for Regenerative Medicine



[Researchers Make Progress Engineering Digestive System Tissues](#)



[New Discoveries Advance Efforts to Build Replacement Kidneys in the Lab](#)



[The Institute's 3D Printing Program Highlighted in Smithsonian Magazine](#)



[Meet the Student Scholars Working in the Lab this Summer](#)

New Podcast Episode Features Summer Scholars Alumni

Advanced Manufacturing Reports on Educational Ops at WFIRM

Institute's Work Included in Wall Street Journal Article

Register Now: Regenerative Medicine Essentials Course



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September 2015

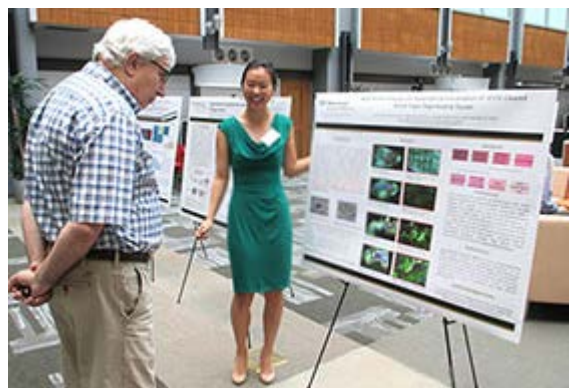
Welcome to our e-newsletter!

Summer days at the Institute have been filled with research developments, scholarly visitors and education events. In July we hosted a one-week course highlighting the essentials of regenerative medicine. Attendees came from 12 states within the U.S. and from 15 countries. In August our Summer Scholar students showcased the projects they had been working on for 10 weeks under the guidance of a mentor. The occasion brought together faculty, staff, families and distinguished guests to hear these bright young students present their research. Last but not least, we had two very special teacher externs spend time with us learning about regenerative medicine in order to bring new subject matter back to their classrooms. The Institute is proud to have programming that fosters young scientists' careers and brings a new understanding of regenerative medicine to the public.

Best Regards,
Anthony Atala, MD
Director, Wake Forest Institute for Regenerative Medicine



[Regenerative Medicine Essentials](#)
[Attended by Participants Worldwide](#)



[Summer Scholars Present Projects at](#)
[Research Day 2015](#)



[Researcher Working to Develop Cell-](#)
[Therapy Product to Treat Diabetes](#)



[North Carolina New Schools Teacher](#)
[Externs Blog About WFIRM Experience](#)

Chip-based 3D Livers for Drug
Screening

New Podcast Episode Addresses
Measurement Challenges

Graduate Student Awarded
Certificate of Recognition

Report on Federal Funding of
Regenerative Medicine



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December 2015

Welcome to our e-newsletter!

Our scientists had a busy fall sharing information about regenerative medicine. Publications highlighted several of our projects, including the biofabrication of 3D liver organoids, and our work with bioprinting. Continuing our commitment to education, we are excited to open the application process for this year's Summer Scholars program. This 10-week program offers medical and undergraduate students the opportunity to conduct research projects under the supervision of WFIRM faculty and staff. Keep up with the happenings of the Institute throughout the year by following us on Facebook and Twitter. Wishing you and yours safe and happy holidays.

Best Regards,
Anthony Atala, MD
Director, Wake Forest Institute for Regenerative Medicine



[Published in Biofabrication: *Micro 3D Liver Constructs for Toxicology Testing*](#)



[Research on Anal Sphincter Presented at 2015 Tech Briefing](#)



[WFIRM Scientists Win Awards at Annual Residents' and Fellows' Research Day](#)



[Outreach Team Interacts with Girl Scouts at Mad Science STEM Event](#)

[**Huffington Post Article Highlights WFIRM's 3D Printing Research**](#)

[**Save the Date: Biofabrication Conference, Oct. 29 - 31, 2016**](#)

[**Applications Now Open for the 2016 Summer Scholars Program**](#)

[**New Podcast Episode: Mauro Ferrari, PhD - Houston Methodist**](#)



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