

February 2017

Welcome to our e-newsletter!

I was recently asked to reflect on what the biggest challenge might be for WFIRM in 2017! The challenges are many, notably the translation of several technologies from the lab into patients. In fact, our primary mission here is to improve patients' lives through regenerative medicine. In this issue, WFIRM's work to develop technologies to help solve the shortage of donor organs for transplant is highlighted.

In addition to our research and clinical work, we see education as a vital part of our goal to advance the field. Registration for the annual Regenerative Medicine Essentials course is open and will take place June 5-9 in the new Wake Forest Bowman Gray Center for Medical Education. From the science behind groundbreaking discoveries to regulatory and manufacturing challenges, this one-week course provides a comprehensive look at progress to date as well as future applications.



[A Possible Link Between Microgravity and Leukemia for Astronauts](#)



[If Self-Driving Cars Mean Fewer Donor Organs, Can RegenMed Fill The Need?](#)



Regeneratively Speaking

[NEW Podcast Episode Released with Dr. James Yoo, CSO at WFIRM](#)



[\[Event\] 2017 Regenerative Medicine Essentials Course Registration Opens](#)

Skin Cell Printer Featured on Curiosity

Save The Date: TERMIS-AM, December 3-6 2017

Horizons 3D Printing Conference in Winston-Salem, NC

Check Out Upcoming Educational Programs



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April 2017

Welcome to our e-newsletter!

I am excited to share the news about the recent launch of a five-year, \$20 million effort to apply advanced manufacturing to regenerative medicine. Our goal is to speed up the availability of replacement tissues and organs to patients. WFIRM will focus on two projects: development of standardized “bioinks” that can be used to print replacement tissues and organs and development of standardized cell culture media.

This issue also focuses on our Regenerative Medicine Essentials course, which has become a “must-attend” event for scientists, industry personnel, and students. I hope you’ll take the time to check out the exciting program and will also listen to our latest podcast – one of a series featuring leaders in regenerative medicine. Finally, our growing institute is recruiting faculty in targeted areas – the link below provides full details.

Dr. Anthony Atala



[\\$20 Million Regenerative Medicine Manufacturing Initiative Launched](#)



[\[Event\] Registration for Regenerative Medicine Essentials Course Filling Fast](#)



FAST COMPANY

[Institute Wins Fast Company's World Changing Ideas Award](#)



[Printed Organoids May Speed Up Drug Development](#)

New Podcast Episode featuring Dr. Jordan Green

TERMIS Americas (Charlotte, NC): Abstracts Opening Soon

Bioprinting Team Receives R&D Excellence Award

Faculty Being Recruited in Target Areas



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July 2017

Welcome to our e-newsletter!

This e-newsletter arrives amid a busy summer of teaching and mentorship here at WFIRM.

Faculty mentors are joined in the labs for 10 weeks by some of the brightest young minds from universities across the country for the Summer Scholars program, a highly interdisciplinary, hands-on research program.

For this year's Regenerative Medicine Essentials course, we were able to attract one of the largest and most diverse audiences, totaling more than 250 attendees representing 21 countries. This annual one-week course brings together prominent experts and provides attendees a look into the science behind groundbreaking discoveries.

It takes the entire WFIRM team to ensure that these activities are successful. This issue also highlights many other examples of their hard work and dedication.

Best Regards,

Dr. Anthony Atala



[Newsweek Reports on Porada Research Linking Space Travel and Leukemia](#)



[Successful 4th Annual Regenerative Medicine Essentials Course](#)



[UNC-TV Reports on Future of 3D Printing](#)



[Institute Research Featured in AARP Magazine](#)

New Regeneratively Speaking Podcast Episodes Posted

Wake Forest MD Alumni Learn About RegenMed

NCTERMS Registration OPEN; Abstracts Accepted Soon

Check out the latest Researcher Achievements



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September 2017

Welcome to our e-newsletter!

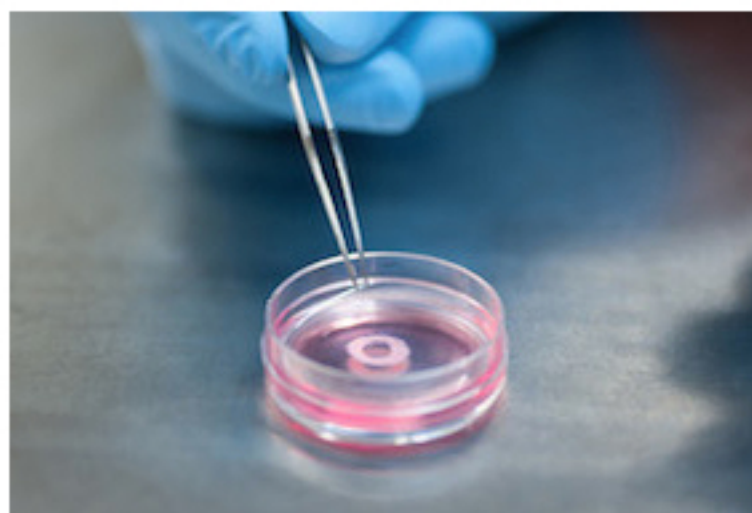
Is it really almost officially Fall? The summer seems so fleeting, like the total eclipse enjoyed last month! Here at WFIRM, we mark this season with our Summer Scholars who have departed the labs following a vigorous 10 weeks of learning and contribution.

Hopefully, we have also all enjoyed time away from the institute to vacation and spend time with families and friends, to find respite in things that bring us joy and comfort, to relax and rejuvenate. It's important to take these opportunities so we can resume our work and bring forth renewed energy toward our common goal of improving patients' lives through regenerative medicine.

And it's always important to take time to recognize and celebrate the accomplishments of our teammates, of which there are many. From new grant funding to published papers to successful conferences, we have much to be proud of as we advance our work from the bench to the bedside.

Best Regards,

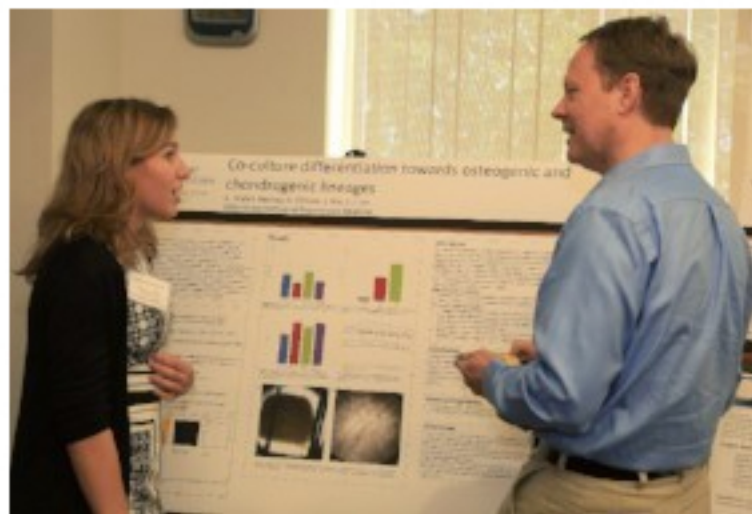
Dr. Anthony Atala



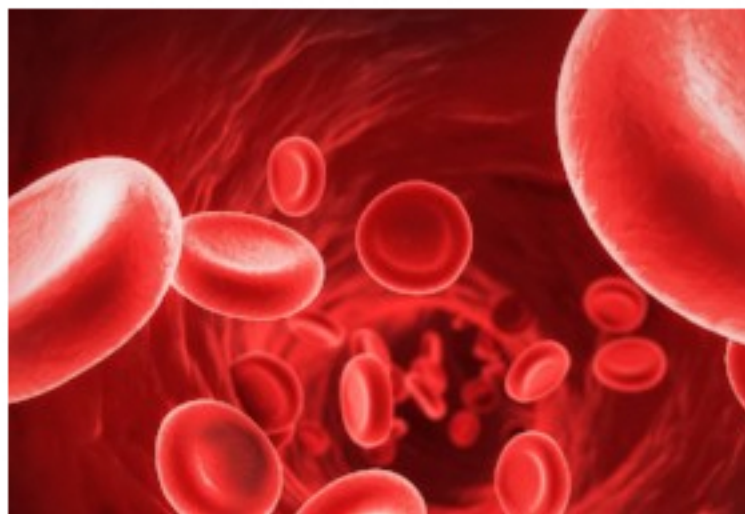
[Researchers Make Significant Progress in Engineering Digestive System Tissues](#)



[Bioprinting Featured as 'Factory of the Future' by The Economist](#)



[National Science Foundation Grant Recognizes Summer Scholar Program](#)



[Researchers Earn New R01 Grant to Support Hemophilia Research](#)

Summer Scholars Celebrate Fourth Annual Research Day

Solar Eclipse Event Offers Unique Celestial Viewing Opportunity

3D Printed Living Tissue Breakthrough Repairs Body Parts

Register Now: NCTERMS Nov. 10 & TERMIS-AM Dec. 3-6



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November 2017

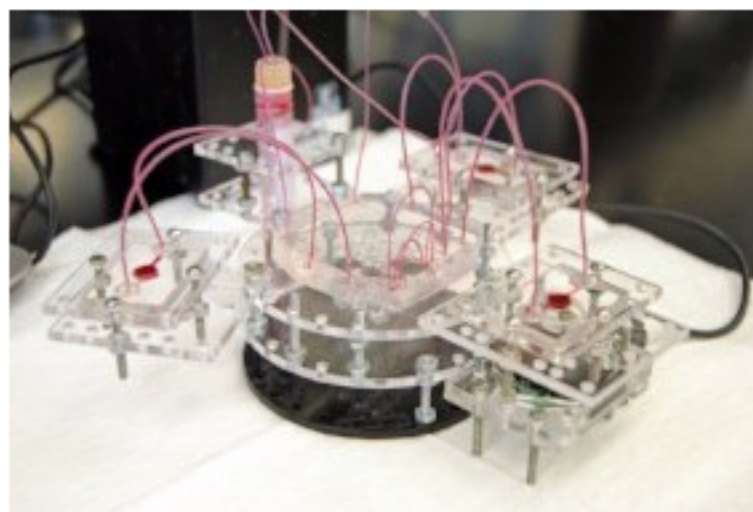
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I'm sure I'm not the only one who is wondering how November got here so fast! Amid the holiday season, we have the TERMIS-Americas meeting to look forward to. I hope you've made plans to join regenerative medicine colleagues next month in Charlotte, NC. Professional meetings like these are wonderful opportunities to gather and discuss critical developments in our respective fields.

Here at WFIRM, we have a lot to be thankful for as you will see from the grant awards and research efforts highlighted here. None of it is possible without teamwork. I'm grateful for the collegiality of our team members and their dedication to our mission to make patients' lives better.

Best Regards,

Dr. Anthony Atala



[Researchers first to use 3D Organoids in Body-on-a-Chip System](#)



[Publications Feature WFIRM Research on Cover](#)



[Grant Awarded for Cosmic Ray Radiation Detection in Humans](#)



Regeneratively Speaking

[New Regeneratively Speaking Podcast Episodes Available](#)

**Register Now for TERMIS-AM
December 3-6**

**Summer Scholars Program 2018
Dates Announced**

**Dr. Atala Joins Washington Post
Forum**

**Enrichment Grant Award Received
To Support American Indian
Students**



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