COLLEGE NEWS

Reminder: Professor Teng Ma Memorial Lecture, January 17
Traveling the Long Road to Clinical Translation of Tissue Engineered Bone Grafts

Dr. Warren Grayson is an Associate Professor of Biomedical Engineering, Material Sciences & Engineering, and Chemical & Biomolecular Engineering at Johns Hopkins University, a founding member of the Translational Tissue Engineering Center, and an affiliate member of the Institute for NanoBioTechnology. His work on reconstructing personalized, craniofacial bone grafts has received widespread public attention with commentaries in the Scientific American, BBC and the New York Times, and has spawned the start-up company, EpBone. His more recent studies have focused on 3D-printing of composite, oxygen-delivering scaffolds for bone repair and regenerating vasculature-vascularized skeletal muscle grafts.

He has received Young Investigator awards from the Maryland Science Foundation and the international tissue engineering and regenerative medicine society (TERMIS), Career Development Awards from the American Society for Bone and Mineral Research and the Orthopaedic Research Society, and the prestigious National Science Foundation Early Faculty CAREER Award. He was recently elected a fellow of the American Institute for Medical and Biological Engineering (AIMBE).

The treatment of large craniofacial bone loss due to congenital defects, trauma or cancer resection remains a huge clinical challenge. There are approximately two hundred thousand fractures requiring bone transplantation annually in the US at an economic burden of $2B. Tissue engineering, where the patients own cells are combined with porous scaffolds to guide their development into new bone tissue, provides a viable means of obtaining ‘autologous’ bone grafts for the treatment of large bone defects. Successful application of tissue-engineered grafts however requires that we overcome key scientific, regulatory, and practical hurdles. To address these, my lab has focused on the development of a point-of-care stem cell-bio-material based strategy for treating massive craniofacial bone loss. In this talk, I will describe the novel strategies that my lab is developing to obtain a deeper understanding of cell fates within regenerating bone and to take our bone tissue engineering approaches closer to human clinical trials.

This event sponsored by FAMU-FSU College of Engineering Department of Chemical & Biomedical Engineering

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Request for Judges: 2020 Capital Regional Science and Engineering Fair

Please consider serving as a judge for the annual Capital Regional Science and Engineering Fair on Friday, February 14, 2020.

Regular Judging will take place from 8:00 a.m. until 11:00 p.m. on Friday, February 14, 2020 followed by Overall Judging from 12:00 p.m. until 2:30 p.m.

If you are willing to judge, please complete the online judge registration form here by Friday, January 31, 2020.
Become LEED Accredited | Tuesday, Jan. 28, 2020 at FAMU-FSU Engineering

LEED Green Associate (GA) Training
When: January 28th 2020 – 6:00PM to 9:30 PM
Where: Florida State - FAMU-FSU College of Engineering - Room B214
Registration: https://leadinggreen.com/FSU

Other Course in Florida:
Or take the identical course Online – Any time – Any where - https://leadinggreen.com/online

Pad your resume with the LEED Green Associate, the only professional designation to show employers and clients you have certified knowledge in the field. LEED (Leadership in Energy and Environmental Design) is simply a sustainability scorecard for green buildings. Buildings can become LEED Certified as can people!

To date, this course and its materials have proven to be instrumental in helping over 9000 students pass their respective exam at a 99% pass rate. This course is offered at a quarter of the price and time as the competition and allows students to graduate with letters after their name!

This course is instructed by a USGBC Faculty member and is the most effective way to pass. The USGBC charges a $100 (reduced for students) fee for the actual exam which can be taken at any time at your nearest Prometric center. Save money by reserving your spot today and make a positive difference in your career!

Early-Bird Cost: $200 for students ($300 otherwise)

To register for the class please visit: https://leadinggreen.com/FSU

Please contact the instructor Lorne directly with any questions at info@leadinggreen.com

Regards,
Lorne Mlotek BASc., LEED AP BD+C, O+M
President, LeadingGreen
585-764-5423
B740 Sandford Fleming Building
10 King's College Road, Toronto, M5S 3G4

Deadline Approaching: 2020 Repperger Summer Research Internship Program
Air Force Research Laboratory | Location Varies | $12,000 for 10-week period

The **Repperger Research Intern Program** is a 10-week educational experience, providing research opportunities for students at one of two Air Force research facilities under the mentorship of an Air Force scientist. This program posthumously honors Dr. Daniel W. Repperger, who mentored many young people during his 35 year research career with the Air Force Research Laboratory. Scientists have been hand selected to mentor because of their technical knowledge, experience, and willingness to help science and engineering students enhance their learning through participation in an actual Air Force research project. The available research opportunities span nearly all STEM fields, including Biology, Mathematics, Computer Science, Cognitive Science, Kinesiology, and Physics. Along with gaining first-hand research experience, students will learn the inner workings of an operational laboratory and develop contacts and friendships that will last a lifetime.

40+ Postdoctoral Opportunities Available With IC

Offering postdoctoral fellowships and research positions at federal facilities nationwide  

If you are a recent doctoral graduate and would like to obtain additional training within your field of study, the **Oak Ridge Institute for Science and Education** (ORISE) offers postdoctoral fellowships and research opportunities at national laboratories and federal research facilities nationwide.

For scientists who have recently completed their Ph.D. in a science-related discipline, a postdoc research fellowship can make an excellent start to a career at a DOE national laboratory or other federal research facility. ORISE sponsors many postdoctoral research programs across the United States, many of which have immediate openings for qualified candidates.

Browse the listings below to view a sampling of opportunities available through Zintellect.
Call for NASA Fellowship Activity 2020 Proposals

NASA Office of STEM Engagement (OSE) opened a call for graduate research proposals on December 23, 2019. The NASA Research Announcement (NRA) NNH20ZHA001N: NASA Fellowship Activity 2020 is seeking student-authored and independently conceived graduate research proposals responding to a NASA Research Opportunity listed in the solicitation. The 2020 NASA Fellowship Activity is designed to support OSE objectives and provide academic institutions the ability to enhance graduate-level learning and development. The program details and requirements are outlined in the solicitation document.

To be eligible to submit a proposal, candidates must be U.S. citizens or a national who hold a bachelor's degree in a STEM field earned before Aug. 31, 2020. Candidates must be enrolled in a master's or doctoral degree program no later than Sept. 1, 2020, and intend to pursue a research-based Masters or Ph.D. program in a NASA-relevant field.

Proposals are due February 21, 2020.

For full program details, visit: 2020 NASA Fellowship Activity. An informational webinar about this fellowship will be presented on January 8, 2020 and February 5, 2020 – time to be announced. The telecom number is 1-844-467-6272, and the passcode is 549325. The information to join the meeting via the web will be posted on the solicitation webpage once the information is available.

Questions concerning these program elements may be directed to Vandhana Lal at NASA.fellowships@nasaprs.gov.

Spring Data Science Fellowship Opportunity

Program: The Data Incubator is an intensive 8 week fellowship that prepares masters students, PhDs, and postdocs in STEM and social science fields seeking industry careers as data scientists. The program is free for Fellows and supported by sponsorships from hundreds of employers across multiple industries. In response to the overwhelming interest in our earlier sessions, we will be holding another fellowship.

Who Should Apply: Anyone who has already obtained a masters or PhD degree or who is within one year of graduating with a masters or PhD is welcome to apply. Applications from international students are welcome.

Locations: In addition to the below in-person locations, we will have a remote online session:

- New York City
- San Francisco Bay Area
- Washington, DC.

Dates: All sections will be from 2020-04-06 to 2020-05-29.
Application Link: https://www.thedataincubator.com/fellowship/apply.html

Regular Deadline: 2020-02-11
We are assessing and interviewing candidates who apply for the Early Deadline first and then based on remaining availability, will take candidates who applied for the Regular Deadline on a first-come first-serve basis.

Data Science in 30 minutes: Learn how to build a data-science project in our upcoming free Data Science in 30-minutes webcast. Signup soon as space is limited.

Learn More: You can learn about our fellows at The New York Times, LinkedIn, Amazon, or Capital One. To read about our latest fellow alumni, check out our blog. To learn more about The Data Incubator, check us out on Venture Beat, The Next Web, or Harvard Business Review.

APPLY NOW: L’Oréal USA For Women in Science Fellowship

Applications for the 2020 L’Oréal USA For Women in Science program are now open and will close on Friday, January 31, 2020.

The L’Oréal USA For Women in Science fellowship program honors female scientists at a critical stage in their careers with grants of $60,000 each. Since 2003, we’ve awarded 80 postdoctoral women scientists over $4 million in grants. We’re seeking five exceptional female scientists looking to advance their research and serve as role models for the next generation of girls in STEM.

We invite you to share the attached materials with your community and hope that with your help we can encourage some of your network’s outstanding women postdocs to apply.

Attached, please find:
- Application Flyer (optimized for email forwarding or printing as an 8.5” x 11” poster)
- Social Media Graphics (for a Facebook or Twitter post)
- Application FAQ
- FWIS Program Fact Sheet

Candidates are selected from a variety of fields including the life and physical/material sciences, technology (including computer science), engineering, and mathematics. Candidates must have completed their PhD and have started in their postdoctoral position by the application deadline.

The application and more information about the L’Oréal USA For Women in Science program can be found at www.lorealusa.com/forwomeninscience.
Career Fairs and Expo, January 23-29

STEM CAREER & INTERNSHIP FAIR
JANUARY 28 | 9 AM - 2:30 PM
FAMU-FSU COLLEGE OF ENGINEERING

Résumé Café
Get your résumé critiqued by
STEM industry leaders!

Bring a printed copy of your résumé. Donuts and coffee will be served!

Spring 2020 COE Library Workshops
MEASURING RESEARCH IMPACT
February 12, 2–3 p.m.
B202 - College of Engineering

To register, visit:
fsu.libcal.com/event/6029520
Please bring a laptop.

ENGINEERING ENTREPRENEURSHIP
February 19, 2–3 p.m.
A115 - College of Engineering

To register, visit:
fsu.libcal.com/event/6029521
Please bring a laptop.

PLOTTING AND FUNCTION DISCOVERY WITH MATLAB
February 26, 2–3 p.m.
A115 - College of Engineering

To register, visit:
fsu.libcal.com/event/6029523
Please bring a laptop.

INTRO TO PATENT SEARCHING
March 4, 2–3 p.m.
B202 - College of Engineering

To register, visit:
fsu.libcal.com/event/6029525
Please bring a laptop.
Spring 2020: The Librarian Is In

Wednesday, 2 p.m.-5 p.m., COE Cafe

- Research help
- Citation management
- Public access support

Schedule an appointment with librarian, Denise Wetzel.

If you need immediate assistance, please visit https://www.lib.fsu.edu/help/ask

UNIVERSITY NEWS

FSU: English Academic Purposes - Spring 2020 Workshops

Writing E-mails in English
Wednesday, January 15, 2020 – 3:30 – 4:30 p.m.
CIES Conference Room

Presenter: Dr. Jennifer Grill, EAP Program
Description: Does writing emails in English cause you anxiety? Do you feel unsure of how to communicate politely and professionally? If so, this workshop will benefit you! We will cover language aspects of emailing such as how to open and close an email, phrases used for making requests, and language needed.
for discussing difficult situations. We’ll also cover cultural aspects of email writing such as
levels of formality and politeness.

Register: https://fsu.qualtrics.com/jfe/form/SV_cvFeSALt9Vttop

Personal Statement Lab for Non-Native Speakers of English
Monday, January 27, 2020 – 12:00 – 1:30 p.m.

Presenter: Dr. Jennifer Grill, EAP Program
Description: In this session for non-native speakers of English, we will cover the
vocabulary, phrases, and organizational patterns needed to draft a strong personal
statement suited for various kinds of fellowship/award applications. Attendees will have an
opportunity to schedule a consultation with EAP and OGFA staff. Space is limited. This
session is offered in collaboration with the Office of Graduate Fellowships and Awards
(OGFA).

Register: https://ogfa.fsu.edu

Recognizing and Avoiding Plagiarism (Offered once every Fall and Spring)
Thursday, January 30, 2019 – 3:30 – 4:30 p.m.
310 Hecht House

Presenter: Dr. Maria B. Mendoza, EAP Program
Description: International students often struggle when including information from various
sources in an essay or research paper. In this workshop, participants learn the difference
between quoting, para phrasing and summarizing information for a paper. Practical
suggestions for helping international students understand and avoid plagiarism will be
offered.

Register: https://fsu.qualtrics.com/jfe/form/SV_2gVxh8m3b2gxhaJ

English Pronunciation Tips: Reduced Speech
Monday, February 3, 2020 – 3:30 – 4:30 p.m.
310 Hecht House

Presenter: Dr. Jennifer Grill, EAP Program
Description: As a non-native speaker of English, you may notice that your English sounds
different from native speakers, but you’re not sure why. In this workshop, we’ll explore two
aspects of pronunciation: reduced speech and linking. We’ll learn what these are and how
they function, and we’ll practice these aspects through several short listening and
speaking activities.

Register: https://fsu.qualtrics.com/jfe/form/SV_3shanHkTeVv17Jb

Using Online Pronunciation Resources
Wednesday, February 19, 2020 – 3:00 – 4:00 p.m.
102 Hecht House (Computer Lab)

Presenter: Dr. Maria B. Mendoza, EAP Program
Description: Improving pronunciation requires practice and repetition. If you want to work
on your pronunciation by yourself, this workshop is for you. You will learn about online
resources that are helpful for independent pronunciation practice. The workshop will be
held in a computer lab to give you the opportunity become familiar with the resources and
practice.

Register: https://fsu.qualtrics.com/jfe/form/SV_dd1QDliDDuv1G9T

SPEAK Test Information Session
Tuesday, March 24, 2019 – 3:30 to 4:30 p.m.
310 Hecht House

Presenter: Dr. Maria B. Mendoza, EAP Program
Description: This session will include a discussion of the test format and scoring procedures. The presenter will go over the practice test questions and discuss the different competencies taken into account when grading. The standards for teaching assistants will also be discussed. This session is open to faculty and staff.

Register: [https://fsu.qualtrics.com/jfe/form/SV_cCMR30YgTuALH9P](https://fsu.qualtrics.com/jfe/form/SV_cCMR30YgTuALH9P)

**FSU: Master’s in Four (Mi4) Competition**

The Graduate School’s Master’s in Four (Mi4) Competition is coming up!

Master's students who have earned 18 hours of graduate coursework toward the degree may compete in the Master's in 4 Competition during which they have four minutes, and four slides, for them to explain their research to a diverse audience. More information about the competition can be found on The Graduate School’s main website here: [https://gradschool.fsu.edu/mi4](https://gradschool.fsu.edu/mi4)

The preliminary rounds of the competition will be held January 27th - Jan 31st, on the third floor of the Honors, Scholars and Fellows House in room 3009. The Honors, Scholars, and Fellows House is located at 127 Honors Way.

Interested master’s students can register to compete in this competition by clicking here: [https://fsu.qualtrics.com/jfe/form/SV_2bM6eun5iPuCaCF](https://fsu.qualtrics.com/jfe/form/SV_2bM6eun5iPuCaCF)

**FAMU Spring Career & Internship Expo - Jan. 29**

Rattlers are you looking for job opportunities? If so, get ready for the Spring Career & Internship Expo!

Mark your calendars for **Wednesday, January 29**. More than 100 companies will be at FAMU to hire a rattler!

Stay tuned for other Career and Professional Development Center events that will help you be fully prepared and ready to secure opportunities at the Expo!
VOLUNTEERS NEEDED

Career & Internship Expo

Please click HERE to sign up.

FAMU
Florida A&M University
Career and Professional Development Center

FSU All Majors Carer & Internship Fair - Jan. 23

SEMINOLE FUTURES
ALL MAJORS CAREER & INTERNSHIP FAIR
JANUARY 23 | 9 AM - 12 PM & 1 - 4 PM
DONALD L. TUCKER CIVIC CENTER

UPCOMING EVENTS

Engineering Campus: Mark Your Calendars

[January 2020]

HOLIDAY Martin Luther King, Jr. Day | Monday, January
FSU All Majors Career & Internship Fair, Thursday, January 23 | Civic Center, 9 a.m. - 12 p.m. & 1 p.m. - 4 p.m.

STEM Resume Café, Monday, January 27 | FAMU-FSU Engineering, 9 a.m.-12 p.m.

STEM Career and Internship Fair, Tuesday, January 28 | FAMU-FSU Engineering, 9am-2:30 p.m.

Day After STEM Fair Interviews, Wednesday, January 29th | FSU Career Center

FAMU All Majors Career & Internship Expo, Wednesday, January 29 | Lawson Center, 9:30 a.m. - 2 p.m.

[February 2020]

RAZOR Lecture Series - Sastry Pamidi, Ph.D., Tuesday, February 4 | Challenger Learning Center, 6:30 p.m.

Library Workshop: Measuring Research Impact, Wednesday, February 12 | FAMU-FSU Engineering, B202, 2 p.m. - 3 p.m.

Engineers Week, Sunday, February 16 - Saturday, February 22

RAZOR Lecture Series - Bruce Locke, Ph.D., Tuesday, February 18 | Challenger Learning Center, 6:30 p.m.

Library Workshop: Engineering Entrepreneurship, Wednesday, February 19 | FAMU-FSU Engineering, A115, 2 p.m. - 3 p.m.

E-Week Girl Day

Engineering Open House – MagLab Open House, Saturday, February 22

Library Workshop: Plotting & Function Discovery w/MATLAB, Wednesday, February 26 | FAMU-FSU Engineering, A115, 2 p.m. - 3 p.m.

Grad Preview 2020, Thursday and Friday, February 27-28

[March 2020]

Spring Break | March 16 - March 20

Library Workshop: Intro to Patent Searching, Wednesday, March 4 | FAMU-FSU Engineering, B202, 2 p.m. - 3 p.m.

RAZOR Lecture Series - Samuel Grant, Ph.D., Tuesday, March 10 | Challenger Learning Center, 6:30 p.m.

World Engineering Day, Friday, March 20

[April 2020]

Senior Design Day, Thursday, April 9 | TBD

Shark Tank Competition, TBD

Transportation Day, Friday, April 17 | TBD

FAMU STEM Day w/Architecture, Saturday, April 18
THINGS TO DO

The 6th Biennial WFYB Regatta

It's time once again for you to challenge your friends, your family, and your colleagues to build boats out of stuff that any normal person would take to the dump and enter them in the Whatever Floats Your Boat Regatta at the Florida State University Coastal and Marine Laboratory. Boats can be as artistic or as whacky as you want to make them. Just build 'em and they will float . . . more or less.

Think you're up for the challenge? Grab your crew, and start designing your vessel. Just remember to select your race category upon registration.

You landlubbers will be busy ashore cheering on the captains and crews of these outrageously constructed vessels as they sail, row, or scull around the course, topple over, or slowly sink into Apalachee Bay. Watch the Regatta from various shoreline vantage points around the lab on either side of the boat basin. Enjoy good food, have loads of fun, all while learning about recycling and how to reduce the impact of plastics in our marine environments.

Check here for more information and registration.

CLC News | Dolittle in IMAX, Camp Challenger & more!

Dolittle: The IMAX Experience | Tickets on Sale Now | Opens 1/17

When young Queen Victoria becomes gravely ill, the eccentric Dr. Dolittle and his furry friends embark on an epic adventure to a mythical island to find the cure. Showtimes & More

Camp Challenger February Camp | Registration Now Open | Grades K-5

Camp Challenger registration for Heartbeat Heroes is open! Purchase a family membership today to register now and receive 10% off all camps: 850-645-7796. Register Now!

www.challengerTLH.com

Want to add something to the next issue? Email us! Deadline is Friday for Monday publication.