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INNOVATION AND COMMERCIALIZATION

OHSU Innovates

March 2, 2022

Today, we are announcing the expansion of OHSU Innovates – a resource and news hub for internal and external stakeholders to learn how OHSU discoveries are being translated to benefit the community. The [website](#) combines the Technology Transfer and Collaborations & Entrepreneurship websites so you can more easily access OHSU innovation resources and news. In addition to the website, OHSU Innovates will share news and events through our [LinkedIn OHSU Innovates](#) page and this newsletter. OHSU Innovates is powered by a collaborative network that includes OHSU Technology Transfer and OHSU Collaborations and Entrepreneurship in partnership with our colleagues from [Oregon Clinical and Translational Institute \(OCTRI\)](#), [OHSU School of Medicine Strategic Alliances](#), and OHSU Knight Cancer Institute Strategic Alliances.

Explore [OHSU Innovates](#) — we think you will find what you're looking for.

This issue of the OHSU Innovates newsletter includes a conversation with Owen McCarty, chair of biomedical engineering in the OHSU School of Medicine, about the ways academic promotion and tenure practices can support innovation. You will also see news of recent honors and accomplishments of OHSU members who have worked with the OHSU Innovates community: Yali Jia, Jonathan Lindner, Luiz Bertassoni and Amy Moran.

Sincerely,

Travis Cook, M.S., M.B.A., CLP – Senior Director of OHSU Technology Transfer

Aditi Martin, Ph.D. - Senior Director of OHSU Collaborations and Entrepreneurship

INNOVATION SPOTLIGHT

The importance of innovation and entrepreneurship in academic research with Dr. Owen McCarty

Owen McCarty, Ph.D., FAHA, professor and chair, Department of Biomedical Engineering, recently co-authored the article, "Innovation, entrepreneurship, promotion, and tenure," published in the journal

Science. The article explores the importance of evaluating innovation and entrepreneurial activities in faculty promotion and tenure decisions, and highlights strategies to increase adoption of these practices across universities.

McCarty spoke with OHSU Innovates about the importance of innovation activities in his own career and how OHSU is working to incorporate innovation and entrepreneurship into their own promotion and tenure decisions. [Read our interview with Owen McCarty.](#)

FEATURED STORY

OHSU, GE Healthcare extend multi-year collaboration to advance innovation



OHSU and GE Healthcare have renewed their Comprehensive Research Agreement for an additional five years, which means the organizations will continue to combine their expertise to advance research, accelerate delivery of quality care, and improve patient outcomes.

“We are incredibly pleased that the OHSU-GE Research Agreement has lived up to its promise to provide a constant stream of opportunities for researchers at OHSU to work strategically with research and engineering partners at GE,” said Jonathan Lindner M.D., who leads research at OHSU as part of the partnership.

"By combining the clinical and research expertise at OHSU with technology innovation at GE Healthcare, this partnership has accelerated the development and adoption of novel clinical tools in everything from digital health, integrated virtual care, ultrasound and molecular imaging” said Katharine Carter M.Sc., director of medical and scientific affairs at GE Healthcare.

[Read about the OHSU, GE partnership.](#)

NEWS

Yali Jia, Ph.D., elected National Academy of Inventors senior member



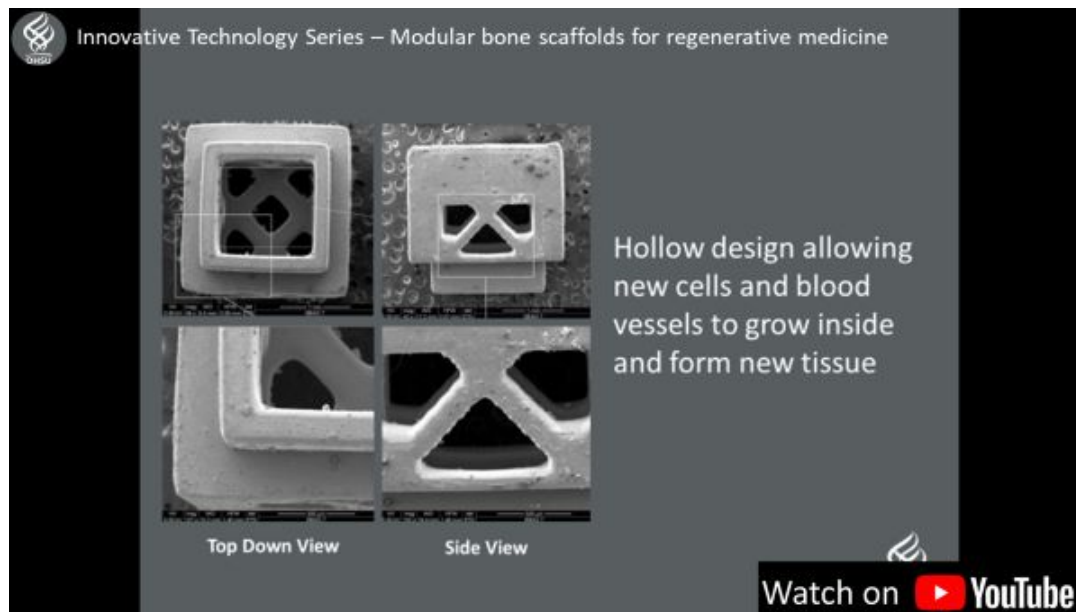
Congratulations to OHSU faculty member Yali Jia, Ph.D., who has been elected Senior Member of the National Academy of Inventors. Yali's research focuses on detecting abnormalities in the vasculature of the eye and her impressive track-record includes being an author of over 100 peer-reviewed publications and an inventor for 12 issued patents. [Read about Yali Jia and the NAI Award.](#)

Amy Moran, Ph.D., receives award from Early-stage Technology Fund



Congratulations to [Amy Moran, Ph.D.](#), whose innovative research received funding from the OHSU Technology Transfer Early-stage Technology Fund. This award is given quarterly to support the development of new technologies. Projects are selected from the pool of technologies recently disclosed to OHSU Technology Transfer. To submit a disclosure and automatically become eligible for this award, [visit the OHSU Innovates website](#).

Innovative technology video series – modular bone scaffold for regenerative medicine



The second video in OHSU Innovates Innovative Technologies series features [Ramesh Subbiah, Ph.D.](#), discussing new modular bone scaffolds for regenerative medicine. The scaffolds were developed in the laboratory of [Luiz Bertassoni, D.D.S., Ph.D.](#) [Watch the video](#) , and find more information on this technology at the [OHSU Technology Portal](#).

The American Society of Anesthesiologists acquires the OHSU-developed Anesthesia Toolbox

The Anesthesia Toolbox was developed by OHSU faculty member [Glenn Woodworth, M.D.](#), and colleagues to create a depository of anesthesia educational materials including slides, online assessment tools, online modules and simulation sessions. Recently, the American Society of Anesthesiologists acquired this unique resource and will take over management of the platform for the continued benefit of medical school faculty and trainees. [Learn more about the acquisition.](#)

FUNDING OPPORTUNITY

IDEA Gap Funding



What: Funding for developing technologies to help bridge the early-stage funding gap often experienced by innovators when moving through the commercialization process

Who should apply: All employees and students of OHSU; if either human subjects or animals are included in the project scope of work, the applicant must meet [OHSU Principal Investigator requirements](#); non-faculty applicants must submit written approval from their supervisor or department head authorizing effort on the grant including the specific amount

Award: Up to \$40,000/typically one year

Deadline: April 25, 2022

To apply, contact [Jonathan Jubera](#) to schedule a consultation to determine eligibility; [further instructions in RFA](#).

FEATURED EVENT

SAVE THE DATE: OHSU Research Week 2022



[OHSU Research Week](#) is an annual university-wide event that celebrates

research performed by students, faculty, postdocs and staff across all schools, centers, institutes and education programs. [Research Week 2022](#) takes place May 2-5.

Innovation Day on Thursday, May 5, will include a keynote address by National Academy of Inventors (NAI) president, [Paul R. Sanberg, Ph.D., D.Sc.](#), as well as an Industry Partnership Panel, an Innovation Showcase, and an OHSU Startup Company Showcase. Also, as we have done for more than 20 years, we will be recognizing and presenting awards to numerous individuals and teams in the OHSU research and innovation space.

[Follow OHSU Innovates on LinkedIn](#) to keep up with event details.

EVENTS

FRIDAYS
9-10 a.m.

OHSU Technology Transfer office hours
[See the O2 calendar to find the WebEx link](#)

MAR. 3

[Accelerate Biotech + Digital Virtual Happy Hour](#)

MAR. 8

[PDXWIT: Accessibility in tech](#)

MAR. 9

[OEN March PubTalk: Understanding the funding ecosystem for scaling startups](#)

MAR. 10

[Westside Pitch 2022 - TiE Oregon](#)

MAR. 14
*(applications
close)*

[Portland Incubator Experiment](#)

MAR. 15

[Virtual lunch and learn: Women in leadership:
Mind the gap](#)

APR. 20-21

[Life Science Innovation Northwest 2022](#)

JUNE 13-16

[BIO international convention: Start-up stadium
\(applications due Apr. 1\)](#)

TECHNOLOGIES

Featured technologies available for licensing

A selection of OHSU-developed technologies available for licensing to industry partners. For more technologies visit the [OHSU Technology Portal](#).

[OHSU 2833](#) - SecreTRAP: A system for monitoring and quantifying protein secretion from single cells.

[OHSU 2798](#) - SARS-CoV-2 single domain antibody (nanobody) for the treatment of COVID-19

[OHSU 2917](#) - Sensorless adaptive optics (AO) control method for OCT/OCT-angiography retinal imaging

[OHSU 2043](#) - Humanized leucine zipper-TRAIL fusion constructs as potent antitumor agents

Newly licensed or optioned OHSU technologies

Congratulations to the inventors of the below technologies, which were recently licensed or optioned to outside partners.

[OHSU 1771](#) - Materials from the BioLibrary

OHSU 2521 - Use of specific stent class for the management of venous stenosis ([Khashayar Farsad, M.D., Ph.D.](#))

[OHSU 2576](#) - iPancreas: Internet based on-demand artificial pancreas app-generator to accelerate clinical trials research ([Jessica Castle, M.D.](#), [Joseph El Youssef, M.D., M.C.R.](#), [Peter Jacobs, Ph.D.](#), and Joseph Leitschuh)

OHSU 2754 - Delivery and deployment device/mechanism for devices (i.e. stents) with auxetic properties ([Khashayar Farsad, M.D., Ph.D.](#), and [John Kaufman, M.D.](#))

U.S. patents issued

Congratulations to the OHSU inventors of the following recently issued U.S. patents.

[Patent 11,235,058](#) - Immunotherapeutic constructs and methods of their use

[Patent 11,224,573](#) - Therapeutic constructs for co-delivery of mitotic kinase inhibitor and immune checkpoint inhibitor

[Patent 11,213,461](#) - Enteral feeding tube housing and fixation devices

Researchers in new industry funded research projects

Congratulations to the following OHSU PIs for entering into new industry-sponsored research projects.

[Benjamin Burwitz, Ph.D.](#) - Bispecific antibodies for the treatment of chronic HBV infection

[Brian Davidson, M.D.](#) - Reading workstation for clinical contrast echocardiography

[Lisa Coussens, Ph.D.](#) - Immune modulation in response to monoclonal antibody treatment for solid tumors

[Summer Gibbs, Ph.D.](#), and [Melissa Wong, Ph.D.](#) - Ultra high content analyses of circulating and solid tumor cells: A diagnostic referencing system for disease burden

[R. Stephen Lloyd, Ph.D.](#), and [Amanda McCullough, Ph.D.](#) - Investigations of agonists that stimulate the mitochondria

[Daniel Streblow, Ph.D.](#) - Evaluation of inhibitors for antiviral activity

[Jeffrey Tyner, Ph.D.](#) - Characterize the impact of inhibitors on the viability of acute myeloid leukemia (AML) cell lines

[David Wilson, M.D.](#) - Reading Center services agreement

SPONSORS

We welcome and appreciate the collaborative nature of organizations that want to be a part of the ongoing innovative and entrepreneurial efforts at OHSU. Thank you to our sponsors!

GOLD



Stoel Rives^{LLP}

SILVER



BRONZE



[Contact OHSU Innovates](#) through our new website.

This monthly publication is created in collaboration with OHSU Technology Transfer, OHSU Collaborations and Entrepreneurship, and the Oregon Clinical and Translational Research Institute.

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