



May 2020



Join other students and early-career scientists for the [Summer School on Innovative Approaches in Science](#). This free event will give attendees the chance to learn more about cutting-edge science from experts from Harvard University, Johns Hopkins University, the National Institutes of Health, the Environmental Protection Agency, the Physicians Committee for Responsible Medicine, and more.

The Summer School on Innovative Approaches in Science will be held as a virtual meeting! For the latest updates visit www.InnovativeScience2020.org. Applications are due no later than **June 10**. Contact SummerSchool@pcrm.org for questions concerning applications or attendance.

Featured Scientific Articles

Check out this month's featured articles to learn more about new human-relevant research scientists are currently conducting.

[SARS-CoV-2 Productively Infects Human Gut Enterocytes](#)

Lamers MM, Beumer J, Vaart J, et al. SARS-CoV-2 productively infects human gut enterocytes. *Science*. 2020

[An Open-Source Drug Discovery Platform Enables Ultra-Large Virtual Screens](#)

Gorgulla C, Boeszoermyeni A, Wang ZF, et al. An open-source drug discovery platform enables ultra-large virtual screens. *Nature*. 2020.

Employment Opportunities

The [FRAME Summer Studentship Programme](#) is now accepting applications. This opportunity was developed to give promising undergraduates a first-hand opportunity to gain greater experience of research which relates to the development of alternatives. Applications are due **May 31**.

The [Peter Loskill Laboratory](#) is hiring a postdoc position with a focus on Organ-on-Chip and immune safety assessment. Applicants should have a PhD in biomedical engineering, biophysics or similar fields and extensive experience with at least two of the following topics: microfluidics, tissue engineering, toxicology and/or immunology.

[LifeTime CDT](#) has a clinical research training fellowship available. The fellowship is open to clinicians interested in the development of non-animal technologies to improve predictive power of pre-clinical drug screens and thus drive medicine discovery.

The [Canadian Centre for Alternatives to Animal Models](#) is recruiting postdocs to develop human biology-based in vitro platforms for disease modelling and toxicity testing—areas of interest include human stem cell-based disease modelling, cellular and tissue engineering, synthetic biology, in vitro & computational toxicology, and science policy.

The [Wyss Institute at Harvard University](#) has a number of postdoctoral fellowships open.

[PETA International Science Consortium](#) is hiring a research associate for PETA US and PETA India. Applicants should have a passion for replacing animal tests with efficient and effective in vitro and in silico models.

[Eurofins Lancaster Laboratories](#) is hiring for a postdoctoral research fellow to work with computational toxicology in Richmond, VA. The selected candidate will design and apply computational toxicology principles and tools for in vitro-to-in vivo extrapolation, focusing on respiratory tract dosimetry and related health effects.

Upcoming Events

The Laboratory for Stem Cells and Tissue Engineering at Columbia University is hosting "[TISSUE TALKS](#)" every Wednesday at 3pm EST. These virtual seminars will feature leaders in the field of tissue engineering from around the globe. To register fill out the [google doc](#).

The [World Congress on In Vitro Biology](#) will now be held as a virtual event from June 6-10. For more information visit the event [website](#).

Funding Opportunities

The Johns Hopkins University Center for Alternatives to Animal Testing [Next Generation Humane Science Award](#) is available to young scientists to acknowledge and encourage researchers who focus on replacing animal experiments. The 2020 award will provide a prize of up to \$5,000

recognizing the work of one young scientist, or may be shared among two or more young scientists. Applications are due **May 31**.

The European Partnership for Alternative Approaches to Animal Testing's (EPAA) [2020 3Rs Science Prize](#) is now open for submissions. The EPAA aims to promote the development, validation and acceptance of 3Rs alternative approaches (replacement, reduction and refinement of testing on animals). The 3Rs science prize is granted every two years to a scientist with an outstanding contribution to 3Rs. Deadline to apply is **October 5**.

The [Colgate-Palmolive Award for Student Research Training in Alternative Methods](#) is now accepting applications. The purpose of this award is to enhance graduate student research training using in vitro methods or alternative techniques to replace the use of animals in toxicological research. Deadline to apply is **October 9**.

The [National Science Foundation Graduate Research Fellowship Program](#) is accepting applications for 2021. The purpose of this program is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in STEM or STEM education. Deadline to apply is **October 19**.

Learn More About Human-Based Research

The ERA21 team wants to bring human-based research to your institution! We can help organize an educational speaker series or host a symposium on human-based research at your university. Please contact Janine McCarthy at jmccarthy@pcrm.org for more information.

Recordings from previous ERA21 webinars are available [here](#).

[Good Science Digest](#)

Find out what Physicians Committee scientists have to say about the latest obstacles and advances in replacing animal use with human-relevant methods in research, testing, and education.

[Ethical Science News](#)

Ethical Science News provides the latest updates on human-relevant research advances to replace animal use.

[Check out our full collection of resources.](#)

Stay Connected!

[Join the ERA21 Facebook group](#) for updates on 21st century science and to connect with fellow scientists.