



June 2020



Join other students and early-career scientists for the [Summer School on Innovative Approaches in Science](#). The Summer School is intended to provide students and early career scientists with information on in vitro, in silico, and human-based methods and approaches for toxicology and biomedical research.

The free, fully online program will feature lectures, in-depth training, virtual laboratory tours, e-poster presentations, and virtual engagement with speakers and attendees. Featured speakers include experts from Harvard University, Johns Hopkins University, the National Institutes of Health, the Environmental Protection Agency, the Physicians Committee for Responsible Medicine, and more.

You are encouraged to apply to the Summer School to participate in the full program including panels, lab tours and demos, networking, and mentoring sessions, by submitting a short application. Attendees who participate in the full Summer School are eligible for poster and participation awards and will receive a certificate for their involvement.

Anyone at any career stage is welcome to participate in individual training or lecture sessions via Zoom. Registration for individual sessions is available on the [program page](#).

Deadline to apply for the full program is **June 10**. Deadline to register for individual lectures and trainings is **June 19**.

Featured Scientific Articles

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

[EURL ECVAM Recommendation on Non-Animal-Derived Antibodies](#)

The European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM) released its recommendation to end the use of animals in antibody production. Endorsed by their Scientific Advisory Committee, researchers found that animal-free technologies produce affinity reagents with equal or better quality than that offered by antibodies produced using the conventional animal-based methods

[Modeling the Human Bone–Tumor Niche: Reducing and Replacing the Need for Animal Data](#)

Rao SR, Edwards CM, Edwards JR. Modeling the human bone–tumor niche: Reducing and replacing the need for animal data. *JBMR PLUS*. 2020.

[Harnessing the Power of Novel Animal-Free Test Methods for the Development of COVID-19 Drugs and Vaccines](#)

Busquet F, Hartung T, Pallocca G, et al. Harnessing the power of novel animal-free test methods for the development of COVID-19 drugs and vaccines. *Arch Toxicol*. 2020.

Employment Opportunities

[AxoSim](#) looking for a postdoctoral researcher to assist with their ALS NerveSim™ platform. This platform grows living human cells in a proprietary 3D environment to mimic nerve tissue in both form and function. The candidate should be a dynamic, driven, and motivated team player ready to guide a project while working in a startup environment.

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.

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 for 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 3 p.m. ET. 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](#).

The National Academies of Sciences, Engineering, and Medicine is hosting a free webinar on **August 12-13** "Translatable and Accessible Biomarkers of Effect: From Model Systems to Humans". [Register here](#).

The University of Maryland School of Pharmacy is hosting a one-day conference on **August 14** "3D Cell Culture Models for Drug PK, Safety, and Efficacy Assessment". [Register here](#).

E-poster and in-person abstracts are now being accepted for the [Annual Biomedical Research Conference for Minority Students \(ABRCMS\)](#).

ABRCMS 2020 is scheduled to take place in San Antonio, Texas from November 11-14. Deadline to submit an abstract is **September 11**.

The Global Summit on Regulatory Science, co-hosted by the Global Coalition for Regulatory Science Research and the National Center for Advancing Translational Sciences, is taking place **September 28-30**. The theme is "Emerging Technologies and Their Application to Regulatory Science". [Register here](#).

Thomas Hartung's Webinar on "The Role of Non-Animal Approaches in COVID-19 Related Research" for the European Parliament, presented by the Intergroup on the Welfare & Conservation of Animals, is now available

on the CAAT [YouTube channel](#). The full collection of presentations from the meeting can be found [here](#).

Funding Opportunities

An opportunity for recent life science PhDs. The [Science & SciLifeLab Prize for Young Scientists](#) is a global prize, aimed at rewarding scientists during the early stage of their careers. Winners are published by Science, win up to \$30,000 US and visit Sweden to receive their awards, present their research, and meet leading scientists in their fields. Applications are due **July 15**.

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.

[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.

[Explore human-relevant research happening in labs across the United States](#)

Stay Connected!

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

Physicians Committee for Responsible Medicine

5100 Wisconsin Ave., N.W., Suite 400, Washington, D.C. 20016

202-686-2210 | info@pcrm.org | PCRM.org | [Unsubscribe](#)

