

**R25 Pediatric Research Education Program in Bioinformatics, Omics, and
Computational Biology (PREP-Omics Program)
Applications Due **September 29, 2025****

The Department of Pediatrics is welcoming **fellows and residents** to apply for the R25 Pediatric Research Education Program in Bioinformatics, Omics, and Computational Biology (PREP-Omics Program). The education research program is a 12-week program of **didactic lectures** by UCLA faculty from various Departments across campus, including the Departments of Cell, Molecular, and Developmental Biology, Integrative Biology and Physiology, Pathology and Lab Medicine and Human Genetics, Psychiatry and Biobehavioral Sciences, Computational Medicine, Ecology and Evolutionary Biology, Molecular and Medical Pharmacology, and Medicine, and Pediatrics with expertise in bioinformatics, omics and computational biology, as well as **journal clubs**, and participation in the UCLA Institute for Quantitative & Computational Biosciences (QCB) Collaboratory **bioinformatics workshops**. The 12-week program will run from **October 1-December 19, 2025**.

We would like to invite interested Pediatric fellows and residents to apply who are engaged or will be engaged in big data research.

Participants in the program will have the opportunity to:

- Attend weekly, 1-hour virtual didactic lectures hosted by knowledgeable UCLA faculty
- Attend QCB Collaboratory bioinformatics workshop(s) related to your research
- Attend journal clubs and present at one of the journal clubs
- Learn to apply and integrate bioinformatics and computational biology techniques into your scholarly research project
- Give a research presentation at the conclusion of the educational program at the annual Pediatric Physician Research Day demonstrating knowledge and application of skills in big data analysis
- Present a poster of your research at the annual UCLA Children's Discovery and Innovation Institute Symposium that takes place every May
- Develop a diverse professional network of faculty researchers and peers across the UCLA campus

In addition to participating in all aspects of the research education program, each UCLA applicant will receive a **\$4000** to be used for **research and travel**.

Funding awarded from this program can be used for the following:

- Attendance at local or national (including Canada) scientific meetings, conferences, and other subspecialty conferences to include reimbursement for meeting registration, materials (i.e. poster printing), lodging, airfare, other transportation costs

- Purchasing of research related materials
- Purchasing of relevant bioinformatics software
- Registration costs or fees for additional bioinformatics or omics training, courses or workshops

Applications will be reviewed upon receipt and applicants will be notified of their acceptance to participate in the program on a rolling basis. The deadline for receiving applications is **September 29, 2025**.

To apply, please submit the materials listed below by email to Training Grant Coordinator, Nancy Tadros, ntadros@mednet.ucla.edu

1. CV
2. Personal Statement (no more than 2 pages) detailing your research experience (if any), career plans, including your motivation and commitment in pursuing research, and a diversity statement including underrepresented in medicine (URiM) status, if applicable
3. Research Summary (no more than 2 pages) describing your hypothesis-driven question(s) and project and relevant details regarding the need for pursuing additional education and training in bioinformatics, computational biology, and big data analysis
4. Potential budget for how the R25 funds will be spent
5. Two support Letters from:
 - a) Faculty Research Mentor or Faculty member that knows the applicant well and can comment on the applicant's research and how the applicant would benefit from the education program and
 - b) Program Director (letter to specifically state that the Program Director is aware of the applicant's interest in participating in the education program and if selected, the applicant will be able to attend and participate in the didactic lectures and journal clubs)

*For an applicant to be considered and accepted into the R25 program and use the program funds, an applicant must not be receiving any concurrent NIH funding support on another training grant (i.e. T32 or T15).

For any inquiries regarding the UCLA PREP-Omics program and the application process, please feel free to contact Josephine Enciso, MD, jenciso@mednet.ucla.edu or Nancy Tadros, ntadros@mednet.ucla.edu