ORIP’S MISSION

The Office of Research Infrastructure Programs (ORIP) enhances biomedical research in all disease areas and across basic, translational, and clinical research through its support of research infrastructure and resource programs. ORIP grants enable biomedical researchers to purchase state-of-the-art instruments; validate and disseminate research models, materials, and genetic stocks; and establish specialized research resource centers. ORIP also supports training and career development of individuals with DVM/VMD degrees, as well as predoctoral veterinary students.
OVERVIEW

ORIP advances biomedical research by supporting the creation of animal models of human disease and related key infrastructure, enabling access to state-of-the-art instrumentation, providing educational training programs, and assisting small businesses to develop new technologies. ORIP supports training and career development programs—specifically for veterinary students and veterinarians seeking to enter the field of biomedical research. Scientists with veterinary medical expertise contribute to animal, molecular, and genomic studies, and translational research that benefits human health. For more information about these opportunities, please visit the ORIP Training and Career Development webpage at go.usa.gov/xmBbJ.

INSTITUTIONAL RESEARCH TRAINING GRANTS

The Institutional Research Training Grants offered by ORIP encourage motivated veterinarians to explore careers in the biomedical research field. Veterinary schools and other research institutions that provide advanced training in comparative medicine receive these awards.

Postdoctoral Programs for Veterinarians (T32)

These programs provide support for the training of highly qualified veterinarians to help them excel in biomedical research careers. This training may be incorporated into a research degree program and should prepare the trainee to compete for independent grant funding. For more information, visit go.usa.gov/xmBj4.

Summer Programs for Veterinary Students (T35)

This short-term support allows select veterinary students to engage in 2- to 3-month research training experiences that encourage veterinary students to consider biomedical and biobehavioral research careers. Grants may be requested for up to 5 years and are renewable. Veterinary students should begin by determining whether their institution, or other institutions of interest, participate in the Summer T35 Training Program by visiting go.usa.gov/xmBjK. Stipends are provided according to the National Research Service Award schedule.

VETERINARY SCHOOL

ENGAGE IN RESEARCH
- Complete a PhD or MS
  • Graduate fellowship F30, F31
- Explore research
  • Summer research T35

RESIDENCY & POSTDOCTORATE

BUILD RESEARCH AND CLINICAL SKILLS
- Research or complete PhD or MS T32
- Pathway to Independence K99/R00
- Loan Repayment Program LRP

EARLY FACULTY

COMBINE CLINICAL CARE AND RESEARCH
- Individual career development K01
- Loan Repayment Program LRP

A CAREER AS A VETERINARY SCIENTIST

Conduct biomedical research at the molecular, cellular, whole animal, or population levels into important problems of human health and disease. Veterinary scientists can use their specialized training to provide insights into novel human disease-relevant animal models.

• Collaborate with a team, e.g. P40, R24
• Independent research projects grants, e.g. R01, R03, R21

Individuals who seek a DVM-VMD/PhD and definitely want biomedical research as a major part of a medical career
INDIVIDUAL CAREER DEVELOPMENT AWARDS AND FELLOWSHIPS

ORIP’s Division of Comparative Medicine offers career development support for individuals with DVM or VMD degrees.

For more information, visit: go.usa.gov/xmBj6.

Special Emphasis Research Career Award (SERCA): K01
The SERCA K01 provides early-career veterinary scientists with 3 to 5 years of “protected time,” allowing them to gain the research expertise necessary to become independent scientists. K01 recipients have more success obtaining National Institutes of Health (NIH) grants and publishing scientific research papers compared to their non-SERCA colleagues. Candidates for this award must hold a DVM/VMD degree from an institution listed by the American Veterinary Medical Association. They may not have been a principal investigator on a federally supported research project (see link below for which grant mechanisms are excluded). Candidates must be nominated by their institutions. Lastly, candidates must design a career development plan that includes appropriate mentoring (typically by a mentoring team).

For more information regarding all relevant requirements, consult the SERCA Guidelines at go.usa.gov/xmBjX.

Individual Predoctoral Fellowships
ORIP offers fellowships open to veterinary students and veterinarians seeking a PhD. The F30 grants are designed to enhance the integrated research and clinical training of promising predoctoral dual-degree students. F31 grants enable promising veterinarians to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to ORIP’s mission or the missions of participating NIH Institutes and Centers. A special type of F31, the F31 Diversity grants, seek to enhance the diversity of the health-related research workforce by supporting the research training of veterinarians from population groups that have been shown to be underrepresented in the biomedical, behavioral, or clinical research workforce, including underrepresented racial and ethnic groups and those with disabilities.

For information about ORIP’s participation in current F30/F31 announcements, visit go.usa.gov/xyccs.

MENTORING OPPORTUNITIES (DIVERSITY AND RE-ENTRY SUPPLEMENTS)

ORIP-supported principal investigators may be able to apply for administrative grant supplements to support specific research trainees and mentees. Diversity supplements enhance research workforce diversity by supporting and recruiting students, postdoctoral trainees, and eligible investigators from groups that have been historically underrepresented in racial and ethnic groups. Re-entry supplements support individuals with high potential to re-enter an active research career after an interruption for family responsibilities or other qualifying circumstances.

For additional information about these supplements, and how they might benefit your trainees, visit go.usa.gov/xmBjF.

NIH LOAN REPAYMENT PROGRAM

Veterinarians who engage in research aimed at human diseases or conditions may apply for the NIH Extramural Loan Repayment Programs (LRPs). Extramural LRPs repay educational loan debt up to $35,000 annually for qualified health professionals performing research within the mission of the NIH and supported by domestic, nonprofit, or government entities.

For more information, visit go.usa.gov/xmBDa.