

QUICK GUIDE TO ANIMAL RESEARCH AT THE UNIVERSITY OF CALIFORNIA, BERKELEY

Initiating animal research at the University of California (UC), Berkeley can feel overwhelming as an investigator. This guide provides basic information about the relevant offices and services that are available on campus to help you in your research!

Office	How can we help you?	Contact Information
<p>Animal Care and Use Committee (ACUC)</p> <p>&</p> <p>Office for Animal Care and Use (OACU)</p>	<p>Functions</p> <ul style="list-style-type: none"> • IACUC approval for grant proposals/contracts, and Sponsored Research Agreements • Basic information on custom antibodies use, grants/contracts using animals • Animal Occupational Health and Safety Program (AOHSP) • Site inspections • Investigating and reporting (as needed) suspected animal concerns and deficiencies <p>Animal Use Protocols (AUPs)</p> <ul style="list-style-type: none"> • Consultations • AUP submission and review procedures • ACUC meeting dates and submission deadlines • Personnel updates and Key Card Access • Technical issues with software <p>Training</p> <ul style="list-style-type: none"> • Mandatory training requirements [e.g., Collaborative Institutional Training Initiative (CITI) courses, Occupational Health Surveillance System (OHSS)]. • <i>Ethics in Animal Research</i> presentation for classes using animals <p>Published Information</p> <ul style="list-style-type: none"> • Animal-related policies and guidelines • Useful links to organizations, societies, publications, etc. • Accreditation and Assurance information 	<p>Email: acuc@berkeley.edu</p> <p>Phone: (510) 642-8855</p> <p>Website: https://acuc.berkeley.edu/</p>

Office	Information	Contact information
<p>Office of Laboratory Animal Care (OLAC)</p>	<p>Animals & AUPs</p> <ul style="list-style-type: none"> • Animal housing and quarantine • Veterinary care and oversight • Consultations for procedures, drugs, etc. used in AUPs <p>Forms</p> <ul style="list-style-type: none"> • Animal purchase/acquisition, transfer and shipping requests • Controlled substances and pharmaceutical requests • Internal and non-animal purchase order forms • Key card forms • Research service requests • Workers compensation and accident forms <p>Training</p> <ul style="list-style-type: none"> • “Working Safely with Nonhuman Primates” training • Procedure-specific training • Animal facility user safety training 	<p>Email: olac@berkeley.edu</p> <p>Phone:</p> <p>(510) 642-9232 (<i>office hours</i>)</p> <p>(510) 643-8387 (<i>emergency</i>)</p> <p>Website:</p> <p>https://www.olac.berkeley.edu/home</p> <p>Email: olactraining@berkeley.edu</p> <p>Website:</p> <p>https://www.olac.berkeley.edu/training</p>
<p>Office of Environment Health & Safety (EHS)</p>	<p>Substances & Machines</p> <ul style="list-style-type: none"> • Use of biohazardous agents, recombinant DNA or toxic agents • Use of radioisotopes, radiation-producing machines • Use of controlled substances • Chemical use, inventory and storage • Laser use <p>Forms & Templates</p> <ul style="list-style-type: none"> • Biological Use Authorizations (BUAs) • Radiation Use Authorizations (RUAs) • Standard Operating Procedures (SOP) for spill clean-up, field studies, etc. • Food permits <p>Published Information</p> <ul style="list-style-type: none"> • Field safety guidelines • Waste disposal <p>Training & Testing</p> <ul style="list-style-type: none"> • Biosafety level (BSL) and Animal Biosafety Level (ABSL) use and training • Animal facility user safety training • Respirator fit testing 	<p>Email: ehs@berkeley.edu</p> <p>Phone:</p> <p>(510) 642-3073 (<i>office hours</i>)</p> <p>(510) 642-6760 (<i>emergency/after-hours</i>)</p> <p>Website: https://ehs.berkeley.edu/</p>

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<p>Occupational Health Clinic (part of the Animal Occupational Health and Safety Program or AOHSP)</p>	<p>Risk and Health Assessment</p> <ul style="list-style-type: none"> • Work-related injuries/illnesses/allergies • OHSS online form access and information • Risk and health assessment to work with animals and hazardous agents <p>Safety/Medical Programs and Services</p> <ul style="list-style-type: none"> • Prevention programs • Nonhuman Primate and Bat Exposure Program • Medical surveillance/screening • Immunizations and routine systemic vaccination titers • Physical examinations 	<p>Email: occupational_health@lists.berkeley.edu</p> <p>Phone: (510) 642-6891</p> <p>Website: https://uhs.berkeley.edu/bewellatwork/occhealth</p>
<p>Stem Cell Research Oversight (SCRO) Committee</p>	<p>Assessments</p> <ul style="list-style-type: none"> • Human embryonic or adult stem cell research • Procurement of human oocytes • Use of fertilized human oocytes or blastocysts • Derivation of a human pluripotent stem cell line • Introduction of a human pluripotent stem cell line into a human or nonhuman animal • Introduction of human neural progenitor cells into the brain of a nonhuman animal 	<p>Email: Suzanne Stone (SCRO_Office@berkeley.edu)</p> <p>Website: https://rac.berkeley.edu/scro.html</p>
<p>Sponsored Projects Office (SPO)</p>	<p>Proposals</p> <ul style="list-style-type: none"> • Overview of Federal and State of California regulations and compliance requirements • Search tools for identifying external funding opportunities • Overview of campus policies pertaining to the submission of proposals and acceptance awards • Proposal review, authorization and submission • Collecting forms and information for relevant campus compliance committees <p>Pre- and Post-Award Stages</p> <ul style="list-style-type: none"> • Links to internal campus pre-award and post award forms • UC and campus pre-award and non-financial post award policy and procedure guidance • Award negotiation, acceptance, and award set up • Establishment of sub-agreements • Processing non-financial post award requests/transactions • Representing the campus in response to proposal and award related questions from external sponsors • Coordinating required closeout reports • Responding to and/or coordinating campus response to external auditors 	<p>Email: spoawards@berkeley.edu or your SPO CGO (https://spo.berkeley.edu/staff.aspx)</p> <p>Phone: (510) 642-0120 or your SPO CGO (https://spo.berkeley.edu/staff.aspx)</p> <p>Website: https://spo.berkeley.edu</p>

Office	Information	Contact information
<p>Office of Intellectual Property and Industry Research Alliances (IPIRA)</p>	<ul style="list-style-type: none"> • Material Transfer Agreements (MTAs) for animals coming into and out of UC Berkeley • Sponsored Research Agreements (SRAs) and collaboration with Industry 	<p>Email: Lynne Hollyer (IAO@Berkeley.edu)</p> <p>https://ipira.berkeley.edu/concierge</p> <p>Website: https://ipira.berkeley.edu</p>

AVAILABLE RESEARCH SERVICES ON CAMPUS

The information below outlines some of UC Berkeley's centers and facilities that offer services to investigators in order to facilitate research and collaborations that use animals. Please remember that an AUP is required to before starting any animal work!

Centers, Facilities & Machines	Services	Contact Information
Cancer Research Laboratory https://crl.berkeley.edu/molecular-imaging-center/	Gene Targeting Facility <ul style="list-style-type: none"> • Offer technical advice and assistance to investigators with in vivo manipulation of the mouse embryo • Pronuclear DNA injection- transgenic mouse • Generation of genomic edited mouse using CRISPR • Mouse sperm cryopreservation 	Email: Angus Lee (ayflee@berkeley.edu) Phone: 510-642-3063 Website: https://crl.berkeley.edu/gene-targeting-facility/
	Flow Cytometry Facility <ul style="list-style-type: none"> • Use of cell sorters (e.g., Aria Fusion). Use of Analyzers (e.g., Fortessa, X20, LSR II). 	Email: Hector Nolla (hectorno@berkeley.edu) Phone: (510) 642-2843 Website: http://flowcytometry.berkeley.edu/
	Molecular Imaging Center <ul style="list-style-type: none"> • Specializes in live cell imaging, confocal, multi-photon, fluorescent lifetime imaging (FLIM), and equipment for optogenetic research • Provides access to state-of-the-art microscopy and imaging equipment • Provides imaging expertise, collaboration, and services • Provides training/assistance in basic/advanced light microscopy techniques • Provides ongoing technical consultation and support 	Email: Holly Aaron (hollya@berkeley.edu) Phone: (510) 642-2901 Website: https://crl.berkeley.edu/molecular-imaging-center/
QB3 Cell and Tissue Analysis Facility (CTAF)	Provides all of the cell culture equipment needed to grow and assess stem cells <ul style="list-style-type: none"> • Use of stem cell culture room with hypoxia/normoxia/hyperoxia chambers inside one of the incubators • Use of histology suite: Cryostar NX50 cryosectioning, sliding microtome for fresh tissue sectioning, and paraffin sectioning, for your use or as a service. • Use of the Miltenyi cell dissociator and Luminex multiplex immunoassay system (Bioplex) • Use of the Attune flow cytometer analyzer, and Molecular Devices ImageXpress Micro XLS automated Epifluorescent microscope for multiwell plates and histology slides, along with analysis software • Prairie Technologies Multi photon (2P) and swept field confocal upright microscope for easy fluorescence marker scoring, Z-stacks, tiling, single-molecule tracking with both water and oil high NA objectives 	Email: Mary West (mwest@berkeley.edu) Phone: (510) 664-4112 Website: https://qb3.berkeley.edu/facility/ctaf-htsf/

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Biological Imaging Facility	<ul style="list-style-type: none"> In Vivo Imaging System-IVIS Spectrum 	<p>Email: Steven Ruzin (ruzin@berkeley.edu)</p> <p>Phone: 510-642-6602</p> <p>Website: https://microscopy.berkeley.edu</p>
Small Animal Imaging Facility	<ul style="list-style-type: none"> MRI, CT, US, EchoMRI, X-ray Irradiator 	<p>Email: Michael Wendland (mwendland@berkeley.edu)</p> <p>Phone: 510-664-7003</p> <p>Website: http://preclinical.ls.berkeley.edu/</p>

For additional UC Berkeley core facilities and shared resources, please visit: https://vcresearch.berkeley.edu/core-facilities?field_type_core_facility_target_id=All&keys=