

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 a new 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 style="font-size: 1.5em;">&</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, Material Transfer Agreements, and Sponsored Research Agreements • Basic information on custom antibodies use, grants/contracts using animals • Animal Occupational Health and Safety Program (AOHSP) • Site inspections • Reporting 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 <p>Training</p> <ul style="list-style-type: none"> • Mandatory training requirements [e.g., Collaborative Institutional Training Initiative (CITI) courses, Animal Exposure Questionnaire (AEQ)] • Availability of optional and species/facility-specific training • <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: http://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 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_info@lists.berkeley.edu</p> <p>Phone: (510) 642-9232 (<i>office hours</i>) (510) 642-8387 (<i>emergency</i>)</p> <p>Website: http://www.olac.berkeley.edu/</p>
<p>Office of Environment, Health & Safety (EH&S)</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 Procedure (SOP) • 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: (510) 642-3073 (<i>office hours</i>) (510) 642-6760 (<i>emergency/after-hours</i>)</p> <p>Website: http://www.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 • AEQ 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 Exposure Program • Medical surveillance/screening • Immunizations and routine systemic vaccination titers • Physical examinations 	<p>Email: ohc@uhs.berkeley.edu</p> <p>Phone: (510) 642-6891</p> <p>Website: http://uhs.berkeley.edu/facstaff/occhealth/index.shtml</p>
<p>Stem Cell Research Oversight Committee (SCRO)</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: Lily Mirels (lmirels@berkeley.edu)</p> <p>Phone: (510) 642-5722</p> <p>Website: http://vcresearch.berkeley.edu/stem-cell/stem-cell-research-oversight-committee</p>
<p>Sponsored Projects Office (SPO)</p>	<p>Proposals</p> <ul style="list-style-type: none"> • Overview of federal regulations and compliance requirements • Search tools for identifying external funding opportunities • Proposal review, authorization and submission <p>Pre- and Post-Award Stages</p> <ul style="list-style-type: none"> • Links to internal campus pre-award forms • UC and campus pre-award policy and procedure guidance • Award negotiation and acceptance • Establishment of sub-agreements 	<p>Email: http://spo.berkeley.edu/staff.aspx</p> <p>Phone: (510) 642-0120 or your SPO RA</p> <p>Website: http://spo.berkeley.edu/</p>
<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 (lhollyer@berkeley.edu) mta@berkeley.edu http://ipira.berkeley.edu/contact-ipira</p> <p>Website: http://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 http://biology.berkeley.edu/crl/index.html	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 • Blastocyst embryonic stem cell injection-germ line chimeras • Embryonic stem cell culture and gene targeting • Mouse sperm cryopreservation 	<p>Email: Chulho Kang (chulhok@berkeley.edu)</p> <p>Phone: (510) 643-8816</p> <p>Website: http://crl.berkeley.edu/transgenic_facility/</p>
	Flow Cytometry Facility	<ul style="list-style-type: none"> • Use of different sorters (e.g., Cytopeia, MoFlo) and analyzers (e.g., LSRFortessa, Epics XL, LSR II, FC-500) 	<p>Email: Hector Nolla (hectorno@berkeley.edu)</p> <p>Phone: (510) 642-2843</p> <p>Website: http://flowcytometry.berkeley.edu/</p>
	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 	<p>Email: Holly Aaron (hollya@berkeley.edu)</p> <p>Phone: (510) 642-2901</p> <p>Website: http://imaging.berkeley.edu/</p>
CIRM/QB3 Shared Stem Cell Facility (SSCF)	<ul style="list-style-type: none"> • Provides all of the cell culture equipment needed to grow and assess stem cells • Use of stem cell culture room, 2 flow cytometers and Electroforce 3200 • Use of the Miltenyi cell dissociator, Evos xl Core, and Chemical Synthesis Hood • Use of the Molecular Devices automated Epifluorescent ImageXpress Micro and its analysis software, Prairie Technologies Multi photon (2P), and swept field confocal microscope 	<p>Email: Mary West (mwest@berkeley.edu)</p> <p>Phone: (510) 664-4112</p> <p>Website: http://qb3.berkeley.edu/qb3/sscf/</p>	
Irradiators	<ul style="list-style-type: none"> • Use of the Cesium and X-ray irradiators on campus 	<p>Email/Phone: OLAC will direct you to the appropriate party (olac_info@lists.berkeley.edu)</p> <p>Phone: (510) 642-9232</p>	
Small Animal Imaging Facility	<ul style="list-style-type: none"> • In Vivo Imaging System – IVIS Spectrum (Biological Imaging Facility) • MRI, CT 	<p>Email/Phone: OLAC will direct you to the appropriate party (olac_info@lists.berkeley.edu); (510) 642-9232</p>	