Requirements for Working with Animals at UC Davis

What the IACUC is looking for:		How to prevent a deficiency. You should ensure all staff members are meeting these expectations:
1.	Protocol(s) available	Staff members must have access to active protocols either by providing a hard
	PPM 290-30	copy in the lab or by training staff to use the IACUC online system:
		https://iacuc.ucdavis.edu/protocol/index.cfm
	Protocol status	If hard copies of protocols will be maintained in the lab for staff to access, the
	sheet (review)	protocols must have current expiration dates and all approved amendments printed
		out and attached to the original protocol.
	Protocol staff roster (review)	Please ensure the staff roster is current. Non-active members should be deleted from the roster and new members must be added prior to working with animals.
2.	Occupational Health	All persons working with animals must wear PPE as required by campus policy.
	(Physical) –PPE, hand	Minimum requirement for most species requires a lab coat and gloves.
	washing, lab coats	https://research.ucdavis.edu/wp-content/uploads/IACUC-38.pdf
	PPM 290-25	https://research.ucdavis.edu/wp-content/uploads/SC-10-102.pdf
3.	Occupational Health	All persons working with live animals must be an active participant in the
	(Preventative Med)-	occupational health program. Risk assessment forms must be updated whenever a
	questionnaire	change has occurred to a person's risk.
		https://research.ucdavis.edu/wp-content/uploads/IACUC-25.pdf
		https://ehs.ucop.edu/ohss/protected/home.htm
4.	Training records	All persons on the protocol, including the PI, must be adequately trained on the
		specific species related procedures they will be performing in the protocol and have
		documentation of the training.
		https://research.ucdavis.edu/wp-content/uploads/IACUC-02.pdf
5.	Fish and Wildlife Service Permit	Current Fish and Wild life Services permit must be posted in labs working with detrimental species
6.	Animal housing, food	Animals that are conscious for more than 6 hours in the lab must have food and
	and water provisions	water available. Animals housed in the lab for more than 12 hours must be
	(if more than 6 hours)	approved for overnight housing and have an established husbandry SOP using the
	Guide 8 th edition	campus format.
		https://research.ucdavis.edu/wp-content/uploads/IACUC-19.pdf
7.	Sanitation of procedure area	Lab must be clean, organized and free of clutter. Specifically lab space used for animal work must be easily sanitized.
	Guide 8 th edition	https://research.ucdavis.edu/wp-content/uploads/SC-50-101.pdf
		https://research.ucdavis.edu/wp-content/uploads/SC-50-106.pdf
8.	Carcass and waste disposal Guide 8 th edition	Lab personnel must be trained to bag animals in waterproof bags and dispose of them in a dedicated freezer/cold room.
	Guide 8 Edition	https://research.ucdavis.edu/wp-content/uploads/SC-40-101.pdf
9.	Security	Lab must keep doors shut while performing animal work. View windows on doors
-	Guide 8 th edition	must be covered while animal work is performed. When submitting a protocol or
		amendment do not refer to staff by name other than in the staff roster. Refer to the
		person by title or department in the body of submissions to maintain staff's
		anonymity.
		https://research.ucdavis.edu/wp-content/uploads/SC-20-104.pdf
10.	Animal Identification	Animals must be identified by at least the PI name and protocol number in housing locations and when being transported.
	Guide 8 th edition	https://research.ucdavis.edu/wp-content/uploads/IACUC-32.pdf
		https://research.ucdavis.edu/wp-content/uploads/SC-20-106.pdf
11.	Vet care	Staff must be trained to contact the designated clinical veterinarian for sick
	Guide 8 th edition	animals. Phone numbers must be readily available.
		https://research.ucdavis.edu/wp-content/uploads/SC-40-100.pdf
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12 Drugs/ovniration	Drugs must be pharmaceutical grade unless chemical grade drugs and preparation
12. Drugs/expiration dates/Pharmaceutical	
grade Guide 8 th edition	procedures have been approved in the IACUC protocol. Drugs past their expiration date may not be used in animals. Expired drugs must be properly disposed of.
grade Guide 8 edition	https://research.ucdavis.edu/wp-content/uploads/IACUC-09.pdf
	https://research.ucdavis.edu/wp-content/uploads/IACUC-09.pdf
12 Transportation of animals	
13. Transportation of animals	Animals must be transported in a way that minimizes stress, the spread of
to the study area. Guide 8 th edition	allergens, and reduces the spread of pathogens. Animals transported in a car must
Guide 8 Edition	be kept in an appropriate cage or carrier in the passenger, temperature controlled
	portion of the car.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-13.pdf
1.4. Futbanasia mathada	https://research.ucdavis.edu/wp-content/uploads/SC-20-108.pdf
14. Euthanasia methods	Euthanasia methods used in the lab must be approved in the protocol. Training for
Appropriate per 2020 AVMA Guidelines	euthanasia methods must be documented.
15. Sharps disposal	https://www.avma.org/KB/Policies/Documents/euthanasia.pdf
UCD Safety Net #3	Please ensure staff are not recapping needles. Used needles and syringes must be
Geb salety Net #3	disposed of in the sharps container without being recapped. If a sharps container is
	not readily available for proper disposal, only the one handed technique may be used
	to recap the needle.
1C Are personnel trained an	https://safetyservices.ucdavis.edu/safetynet/sharps-safety-guidelines
16. Are personnel trained on	All members in the lab must be trained how to report an animal concern. This
how to report a concern?	training must be documented and provided to everyone in the lab even if they are
	not on the protocol roster. https://research.ucdavis.edu/wp-content/uploads/IACUC-15.pdf
17. Rodent survival surgery	It is preferred that rodent survival surgeries be performed in the vivarium procedure
areas clean and uncluttered	rooms. If the lab has been approved for survival surgeries, there must be a
areas clear and uncluttered	designated space for the surgeries that is clean, uncluttered, and disinfected.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-22.pdf
	nttps://research.ucuavis.euu/wp-content/upioaus/iAcoc-zz.pui
18. Records (pre, peri, and	Post-op records must clearly document the procedure performed, drugs given, and
post- operative)	the recovery of the animal. Animals must be checked at least daily for a minimum of
	7 days post-op. Daily checks, analgesics, suture removal etc. must be clearly
	documented in the record. Post-op records must be maintained with the animal
	while the animal is on post-op care. Once post-op care is completed, records are
	maintained in the lab as required by the Record Retention policy.
	https://research.ucdavis.edu/wp-content/uploads/SC-40-404.pdf
19. Aseptic procedures	Ensure the policy for survival surgery is being followed.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-22.pdf
	https://research.ucdavis.edu/wp-content/uploads/IACUC-52.pdf
20. Autoclave monitoring	Autoclave tape or pouches must be used to demonstrate items have been autoclaved. Autoclaves must be checked regularly to ensure proper functioning.
procedures	https://safetyservices.ucdavis.edu/safetynet/effective-use-autoclaves
UCD Safety Net #26	
21. Storage of autoclaved	Autoclaved items must have the sterilization date clearly written on the autoclave
materials	tape or pouch. Autoclaved items must be stored in a cool, dry place.
UCD Safety Net #26	https://safetyservices.ucdavis.edu/safetynet/effective-use-autoclaves
22. Cold sterilization procedures	Ensure chemical being used is a sterilant and not a disinfectant. Lab must adhere to manufacturer's guidelines regarding contact time.
23. Anesthetic monitoring	Anesthetic vaporizers must be checked annually to ensure the amount of gas being
(including, maintenance of	delivered is accurate. CVS provides this service on a recharge basis
vaporizer)	(530-752-0514) or <u>lahc@ucdavis.edu</u>
	https://research.ucdavis.edu/wp-content/uploads/IACUC-30.pdf
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24. Gas cylinders immobilized UCD Safety Net #60	All cylinders must be properly immobilized. EH&S recommends all cylinders be
OCD Safety Net #00	double chained; one chain near the top of the cylinder and one chain near the
	bottom of the cylinder:
25 Scavenging of	https://safetyservices.ucdavis.edu/safetynet/compressed-gas-safety Waste anesthetic gases must be absorbed in charcoal canisters or ventilated thru a
25. Scavenging of	duct system. Manufacturer's guidelines must be followed and usage must be
anesthetic gases	documented on the side of the canister either indicating the hours used or weight of
	the canister (pre and post use).
	https://research.ucdavis.edu/wp-content/uploads/IACUC-30.pdf
26. Analgesics used according	Analgesics must be given at the same dose, route, and frequency as outlined in the
to protocol	protocol. Post-op records must clearly document each dose given to the animals. https://research.ucdavis.edu/wp-content/uploads/IACUC-22.pdf
	https://research.ucdavis.edu/wp-content/uploads/IACUC-52.pdf
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27. Amendment Process	Amendments must be submitted through the online system for protocol changes
	and approved prior to changes being initiated.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-07.pdf
28. Animal Numbers	Animal numbers be justified and must not exceed what the protocol is approved
	for. If more animals will be needed for the study, an amendment must be
	submitted and approved prior to more animals being used.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-20.pdf
29. Species	Only the species approved in the protocol may be used. If a new species needs to be
	added to the study an amendment must be submitted and approved prior to
20 Anarthatian	ordering.
30. Anesthetics	All anesthetics used must be approved in the protocol. Drug dosages and drug
	routes must be clearly defined as well. If the anesthetic regimen needs to be
	modified an amendment must be submitted and approved prior to making any
	changes unless clinically related and initiated by a veterinarian.
24 Department of	https://research.ucdavis.edu/wp-content/uploads/IACUC-41.pdf
31. Report unexpected	If there have been any unexpected adverse effects or deaths that are study
outcomes/deaths	related, an animal care update amendment must be submitted to the IACUC
	updating the potential adverse effects section in the protocol. The amendment should state what occurred, why/how it occurred if known, and what mitigation
	measures, if possible, have been incorporated to prevent future occurrences.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-15.pdf
32. Change in work location	All rooms being used for animal work must be approved on the protocol. If a new
32. Change in Work location	room needs to be added the lab must submit an amendment and receive approval
	prior to utilizing the room.
33. Humane endpoints	Humane endpoints must be followed, as described in the IACUC approved Humane
	Endpoints policy or as otherwise described and approved in the protocol.
24 Appropriate study records	https://research.ucdavis.edu/wp-content/uploads/IACUC-28.pdf
34. Appropriate study records available	Appropriate study records will vary by project, but may include such things as
avaliable	breeding records, animal weight records, surgical logs, anesthetic logs, analgesic
	documentation, fluid totals, special diet notations, time spent "worked" (for
	example nonhuman primates working for fluid/food reward), records pertaining to enrichment, prolonged restraint, and other quantifiable data relative to project
	goals and animal well-being. https://research.ucdavis.edu/wp-content/uploads/SC-40-404.pdf
35. Event recorded	If there have been any unexpected events that may have had an impact on the
	study or animal well- being, these should be noted by the PI. Examples might
	include: power outages, adverse weather or structural or equipment failure due to
	weather or other event, a loose animal, etc. Typically an "event" differs from
	"unexpected outcome" in that the "event" is not project related, but may still have
	an effect on the project or animals.
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36. Sources/transfers	A six and a second for a second for a second
30. Sources/transfers	Animals must be purchased from approved vendors or labs must receive permission
	Campus Veterinarian's Office or the IACUC Office for non-approved sources. All
	animal transfers must be approved in advance of transfer occurring.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-40.pdf
37. CVS oversight	If CVS requested oversight of initial studies, was this complied with? For example, if
	a veterinary observation was required during the first surgery, did the PI contact
20 N	CVS to arrange for this? Animals may not have surgery more frequently than described and approved in the
38. Number of surgeries	protocol. Additionally, animals may not be transferred from one survival surgery
per animal	protocol to another survival surgery protocol without IACUC knowledge and
	approval.
	https://research.ucdavis.edu/wp-content/uploads/IACUC-22.pdf
	https://research.ucdavis.edu/wp-content/uploads/IACUC-52.pdf
39. Surgeon training	Staff performing surgery must have documentation of their training /qualifications
documentation	to be able to perform surgery.
40. Exception approved in	If there will be any exceptions to the Guide, these must be stated in the protocol and
protocol	approved by the IACUC. Examples of "exceptions" include wire bottom cages,
	food/fluid regulation, prolonged restraint, deviation from routine husbandry
	procedures, exemptions from portions of the primate well –being plan, use of
	neuromuscular blocking agents, etc. Section 9 of the protocol
41. Is limited to only when	Exceptions to the Guide are only used when they are required to meet scientific
necessary	objectives. For example, if a study requires dietary measurements three weeks only
	out of a six month study, then the use of wire bottom cages is limited to those three
	weeks.
42. Procedures	Ensure all procedures being performed are approved in the protocol.
43. Objectives	It is often best for objectives to be fairly broad to allow for study development. If
	you have a question regarding whether an amendment is appropriate, of if a
	proposed change may require a new protocol, start by referring to the approved
	objectives. If you were to rewrite your protocol today, would the objectives still be
	the same? Protocol amendments must relate directly to stated objectives.
44. Animal Tracking System	Animals acquired by means other than purchase, transfer, import or export
	(auction, donation, field caught, breeding, etc.) must be manually entered into the
	ATS either by the facility manger or PI at least on a quarterly basis.
	https://research.ucdavis.edu/research-support/animal-care-use/iacuc/animal-
	tracking-system/