PERSONNEL AND EQUIPMENT				Estimated Costs				
				3-year or item	% of			% of
Category				Cost	Total	Subtotal		Total
Staff, students	grad student	salary			0.00			
assumes 1 postdoc		tuition			0.00			
and 1 lab tech		benefits			0.00			
but no grad student	postdoc	salary	(assume total cost is $48K each	0	0.00			
		tuition	(1 for 2 years covered by department)		0.00			
		benefits			0.00			
	lab tech	salary	(assume total cost is $33K each	0	0.00			
		tuition	(1 for 2 years covered by department)		0.00			
		benefits			0.00	0.00		0.00
Animals (primarily mice)	Housing, ±100 cages, 3 years	$0.53/cage/day x 100 cages x 3 years = $58035		58035	12.75			
	Mice--purchase and transfer			10000	2.20			
	Genotyping (shared equipment?)			6000	1.32	74035.00		16.26
Multielectrode array system	MCS MEA-1060 system			50000	10.98			
	infrared dissection system	dissection scope		6000	1.32			
		infrared illuminator		200	0.04			
		eyepiece adapters (x2)		700	0.15			
		infrared camera attachments x2		4600	1.01			
		normal illuminator		530	0.12			
	multielectrode arrays			2000	0.44			
	visual stimulus system	Intel Mac (no monitor)		3200	0.70			
		neutral density filter set		350	0.08			
		monitor (CRT)		500	0.11			
		projection lens		1000	0.22			
		software	Matlab	500	0.11			
			PsychToolbox	0	0.00			
			Matlab continuing update licenc	400	0.09			
		stim. trigger	USB PMD-1208FS	150	0.03			
		various BNC cables		50	0.01			
		Lucivid CRT system for stimulus presentation		10000	2.20			
		monitor calibration Spyder2PRO		250	0.05			
		radiometer (light meter)		1550	0.34			
		radiometer sensor heads		2500	0.55			
		medium-quality dissection scope head (for stimulus		700	0.15			
	misc.	tissue hold-down, perfusion parts		100	0.02			
		conductive pads ("Zebra" 45mm2)		300	0.07			
	data: sorting and analysis	software	Offline Sorter	4200	0.92			
			NeuroExplorer	3300	0.72			
			Igor Pro	400	0.09			
		hardware	analysis PC	1500	0.33			
			external large data drive	400	0.09	95380.00		20.95
Electrophysiology	slices	Vibratome V3000 system		14000	3.07			
patch-clamp system	retinal dissection system as above	(duplicated; dedicated to rig)		11500	2.53			
	pipettes	Sutter P-97 puller		6700	1.47			
		Sutter glass and accessories		600	0.13			
	Faraday cage			1200	0.26			
	vibration isolation table			4000	0.88			
	microscope	upright		40000	8.79			
		water-immersion lens		3000	0.66			
		water-immersion lens		2000	0.44			
	perfusion chamber	chamber		350	0.08			
		platform		350	0.08			
		heater		1500	0.33			
	manipulator			8500	1.87			
	gantry for manipulator			730	0.16			
	coarse manipulator			950	0.21			
	amplifier	HEKA EPC-10 single		15295	3.36			
	acquisition	HEKA Patchmaster software		3390	0.74			
		PC		1500	0.33			
	bench-top rack			185	0.04			
	Humbug			1525	0.33			
	osmometer (or access to one somewhere)			7000	1.54	124275.00		27.30
OptoMotry system	(visual acuity and contrast sensitivity assessment via behavioral testing)			24000	5.27	24000.00		5.27
use of departmental	training			1000	0.22			
confocal system	time on laser			3000	0.66			
	Imaris imaging software	(for cell morphometry)		15000	3.29	19000.00		4.17
Immunohistochemistry	cryostat/microtome (Leica or similar) + supplies			22000	4.83			
	secondary antibodies			3000	0.66			
	primary antibodies			6000	1.32			
	other solutions, chemicals			2000	0.44	33000.00		7.25
Electroretinogram (ERG)	DAM80 amplifier	(for a skeleton system, not a clinical instrument)		920	0.20			
system	light source			500	0.11			
	corneal electrodes			200	0.04			
	plat. needles for ground			50	0.01			
	electrode holders			200	0.04			
	mouse heating pad			700	0.15			
	drugs, supplies			200	0.04	2770.00		0.61
access to a departmental	desktop endmill			2000	0.44			
machine shop?	accessories, materials			500	0.11	2500.00		0.55
Common equipment	scales	digital, medium/coarse		200	0.04			
and		digital, fine		2000	0.44			
Miscellaneous items	water purification system			5000	1.10			
	Pipettemen	2 sets 10, 20, 200, 1000 uL, multi-uL		4000	0.88			
		tips, tubes, other plastics		2400	0.53			
	waterbath incubator			2000	0.44			
	perfusion system parts	connectors (e.g., Luer), set; PE and silicone tubing; r		1000	0.22			
	instruments and supplies	surgery supplies, dissection tools, needles--set x2		2000	0.44			
	carbogen regulator (x2)			1000	0.22			
	freezer, -20			2500	0.55			
	freezer, -80			7000	1.54			
	refrigerator			1500	0.33			
	tools (screwdrivers, drill, etc.)			600	0.13			
	sonicator			210	0.05			
	lab cart			300	0.07			
	microwave			100	0.02			
	stirrer hotplate x2			400	0.09			
	timers			100	0.02			
	pH meter			1200	0.26			
	mixer (Vortex)			400	0.09			
	misc: ice buckets, stir bars, pH standards, Parafilm, etc.			2000	0.44	35910.00		7.89
Safety equipment	gloves for hot/cold/dry ice			10	0.00			
	sharps containers			130	0.03			
	broken glass containers			30	0.01			
	flammable liquids safety cabinet			700	0.15			
	chemical safety cabinet			700	0.15			
	safety goggles			30	0.01			
	first-aid kit			50	0.01			
	eye-wash station	(include in renovation)			0.00	1650.00		0.36
Supplies	consumables	various glassware, gloves, dishes, pipettes, slides, c		9000	1.98			
	common chemicals			3000	0.66			
	drugs	(various)		6000	1.32	18000.00		3.95
Office	computing	Mac Pro G5		3200	0.70			
		MacBook Pro		2200	0.48			
		widescreen monitor		700	0.15			
		PC		1500	0.33			
		KVM switch		50	0.01			
		PC + monitor for postdoc		1700	0.37			
	software	Windows Vista		200	0.04			
		MS Office		300	0.07			
		Photoshop		500	0.11			
		Illustrator		400	0.09			
		Virus/Security		100	0.02			
		GraphPad Prism (statistics)		800	0.18			
		FileMakerPro		300	0.07			
		Acrobat		100	0.02			
		EndNote, other software		500	0.11			
	printing	2-sided, BW laser printer		800	0.18			
		color laser printer		1200	0.26			
		paper		300	0.07			
		toner cartridges		300	0.07			
		color toner cartridges		600	0.13			
	furniture	(various; covered by renovation funds)			0.00			
	food fridge and microwave			300	0.07			
	misc. supplies	(pens, notebooks, folders, etc.)		300	0.07			
	network backup system	Retrospect		130	0.03			
		dedicated drives		300	0.07			
	presentation	(access to LCD projector)			0.00			
	professional associations, meetings, travel			6000	1.32			
	textbooks, journals			2000	0.44	24780.00		5.44
			TOTAL	**455300**	100.00			100.00