

Program Summary	Program NSF	Total NSF	% Total NSF	Original Program			Remarks
				ASF	Total ASF	Delta	
				16,340	1,993		BBM/BCB Total Area in Original Program - cannot decipher breakdown
Laboratories, Lab Support & Offices							
Bench Lab Space		30,567	45%				
Mouse Genetics/Molecular Biology Labs	2,658		9%				
Neuroscience bench Labs	3,987		13%				
Material & Physical Sciences Labs	17,277		57%	23,800		(6,523)	Original program incl. 19,300; have added 4500 from Onyx count
Temp Onyx Bridge Lab Space	6,645		22%	7,500		(855)	Original program included 12K but have moved 4500 to MatPhy Lab count
Shared Laboratory Support Space	3,820	3,820	6%		0	3,820	
Total Bench Lab, Lab Support & Shared Lab Support		34,387					
Dry Laboratory Space		9,123	14%				
Cognitive Neuroscience Lab Space	7,587		83%				Cannot compare to original
Computational & Informational Sciences	1,536		17%	1,650		(114)	
Total Laboratory Space		43,510	65%				Cannot compare to original
Research Office & Conference Space		9,045	13%				Cannot compare to original
Research Faculty Offices	5,805		64%				Cannot compare to original
Departmental Conference Rooms	1,536		17%				Cannot compare to original
Faculty Work/Interaction Areas	1,364		15%				Cannot compare to original
Kitchenette	340		4%				Cannot compare to original
Total Laboratories, Lab Support & Office Space		52,555	78%				
Core Facilities							
Vivarium		7,127	11%		6,500	627	300 NSF mistake in original program
Animal Holding & Procedure Space	3,608		51%	3,900		(292)	Original Program includes: 1000 cage users, 300 cage users, mouse cancer screening, overflow room, isolation room
Scientific Space	879		12%	1,700		(821)	
Washing & Facility Support Space	2,064		29%	900		1,164	
Staff Support Space	576		8%	0		576	
Advanced Imaging Center		3,540	5%		3,100	440	
MRI Space	747		21%	1,500		(753)	
Facility Support Space	661		19%	600		61	
Staff/Administrative Space	2,132		60%	1,000		1,132	
Total Core Facilities		10,667	16%		9,600	1,067	
Building Amenity Space		2,856	4%		1,500	1,356	
Building Support Facilities		1,114	2%		0	1,114	
Total Net/Assignable Area		67,192	100%		60,690	6,502	Includes 300 NSF mistake in original program
Estimated Building Efficiency			55%			55%	
Approximate Gross Building Area		122,167			110,345	11,822	

Space Analysis - Space Per Faculty Type

Department	Category	# Faculty	Total Lab Space	Lab Space per Faculty	Total Office Space	Office Space per Faculty	Total Space	Total Space per Faculty
BBMI	Mouse Genetics & Neuroscience	5	6645	1329	810	162	7455	1491
BBMI	Cog Neuro	9	7587	843	1755	195	9342	1038
Mat Phy Science	Mat Phy Sci	13	17277	1329	2160	166	19437	1495
Temp Onyx Labs	Onyx Labs	5	6645	1329	810	162	7455	1491
Totals		32	38154		5535		43689	1365

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
Laboratories, Lab Support & Offices						
Bench Lab Space						
Mouse Genetics/Molecular Biology Labs					2,658	
	Bench Labs	2	32' - 0" x 28' - 6"	912	1,824	
	Lab Support Space			556	834	
	Entry/Equipment Alcove I	2	10' - 8" x 13' - 0"	139	278	
	Fume Hood Alcove	2	10' - 8" x 13' - 0"	139	278	
	Flex Lab	1	10' - 8" x 13' - 0"	139	139	
	Equipment Room I	1	10' - 8" x 13' - 0"	139	139	
Neuroscience Bench Labs					3,987	
	Bench Labs	3	32' - 0" x 28' - 6"	912	2,736	
	Lab Support Space			556	1,251	
	Entry/Equipment Alcove I	3	10' - 8" x 13' - 0"	139	417	
	Fume Hood Alcove	3	10' - 8" x 13' - 0"	139	417	
	Flex Lab	2	10' - 8" x 13' - 0"	139	278	
	Equipment Room I	1	10' - 8" x 13' - 0"	139	139	
Material & Physical Sciences Labs					17,277	
	High-Density Hood Labs	5	32' - 0" x 28' - 6"	912	4,560	
	High-Density Lab Support Space			556	2,085	
	Entry/Equipment Alcove I	5	10' - 8" x 13' - 0"	139	695	
	Fume Hood Alcove	0	10' - 8" x 13' - 0"	139	0	
	Flex Lab	5	10' - 8" x 13' - 0"	139	695	
	Equipment Room I	5	10' - 8" x 13' - 0"	139	695	
	Medium-Density Hood Labs	4	32' - 0" x 28' - 6"	912	3,648	
	Medium-Density Lab Support Space			556	1,668	
	Entry/Equipment Alcove I	4	10' - 8" x 13' - 0"	139	556	
	Fume Hood Alcove	4	10' - 8" x 13' - 0"	139	556	
	Flex Lab	2	10' - 8" x 13' - 0"	139	278	
	Equipment Room I	2	10' - 8" x 13' - 0"	139	278	
	Low-Density Hood Labs	4	32' - 0" x 28' - 6"	912	3,648	
	Low-Density Lab Support Space			556	1,668	
	Entry/Equipment Alcove I	4	10' - 8" x 13' - 0"	139	556	
	Fume Hood Alcove	4	10' - 8" x 13' - 0"	139	556	
	Flex Lab	2	10' - 8" x 13' - 0"	139	278	
	Equipment Room I	2	10' - 8" x 13' - 0"	139	278	
Temp Onyx Bridge Lab Space					6,645	
	Bench Labs	5	32' - 0" x 28' - 6"	912	4,560	Instructed to assume that (3) of these are counted in MatPhy labs
	Lab Support Space			556	2,085	
	Entry/Equipment Alcove I	5	10' - 8" x 13' - 0"	139	695	
	Fume Hood Alcove	5	10' - 8" x 13' - 0"	139	695	
	Flex Lab	3	10' - 8" x 13' - 0"	139	417	
	Equipment Room I	2	10' - 8" x 13' - 0"	139	278	
Subtotal Bench Laboratory & Support Space					30,567	
Shared Laboratory Support Space						
Shared Laboratory Support Space					3,820	
	Controlled Environment Rooms	4	10' - 8" x 13' - 0"	139	556	
	Glasswash/Autoclave	2	21' - 4" x 13' - 0"	277	554	
	Shared Equipment Rooms	2	21' - 4" x 28' - 6"	608	1216	
	Darkrooms	2	10' - 8" x 13' - 0"	139	278	
	Special Instrument Rooms	2	21' - 4" x 28' - 6"	608	1216	
Subtotal Shared Laboratory Support Space					3,820	
Total Bench Lab, Lab Support & Shared Lab Support					34,387	
Dry Lab Space						

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
Cognitive Neuroscience Lab Space					7,587	
Cognitive Neuroscience Lab Suite #1					5,056	
	Cog Neuro Data Analysis Lab	4	16' - 0" x 28' - 6"	456	1824	Intended to support (2) Faculty each
	Cog Neuro Conference Room	2	10' - 8" x 18' - 0"	192	384	
	Run Room #1	20	5' - 4" x 8' - 0"	43	860	
	Run Room #2	0	6' - 4" x 10' - 8"	68	0	
	Run Room #3	2	8' - 0" x 10' - 8"	85	170	
	Run Room #4	2	5' - 4" x 15' - 6"	83	166	
	Run Room #5	2	7' - 2" x 10' - 8"	76	152	
	Run Room #6	4	10' - 8" x 10' - 8"	114	456	
	Run Room #7	0	7' - 2" x 10' - 8"	76	0	
	Run Room #8	0	5' - 4" x 13' - 0"	69	0	
	Run Room #9	0	7' - 2" x 8' - 0"	57	0	
	Internal Circulation	1	6' - 0" x 174' - 0"	1044	1044	
Cognitive Neuroscience Lab Suite #2					2,531	
	Cog Neuro Data Analysis Lab	1	16' - 0" x 28' - 6"	456	456	Intended for (1) large Faculty group
	Cog Neuro Conference Room	1	10' - 8" x 18' - 0"	192	192	
	Run Room #1	16	5' - 4" x 8' - 0"	43	688	
	Run Room #2	0	6' - 4" x 10' - 8"	68	0	
	Run Room #3	1	8' - 0" x 10' - 8"	85	85	
	Run Room #4	1	5' - 4" x 15' - 6"	83	83	
	Run Room #5	0	7' - 2" x 10' - 8"	76	0	
	Run Room #6	2	10' - 8" x 10' - 8"	114	228	
	Run Room #7	1	7' - 2" x 10' - 8"	76	76	
	Run Room #8	1	5' - 4" x 13' - 0"	69	69	
	Run Room #9	2	7' - 2" x 8' - 0"	57	114	
	Internal Circulation	1	6' - 0" x 90' - 0"	540	540	
Computational & Informational Sciences					1,536	
	Cyberlab	1	16' - 0" x 28' - 6"	456	456	
	NIC Offices	5	10' - 8" x 12' - 8"	135	675	
	Bioinformatics					
	Networking Room	1	10' - 8" x 12' - 8"	135	135	
	Offices	2	10' - 8" x 12' - 8"	135	270	
Total Dry Lab Space					9,123	
Total Bench Lab & Dry Lab Space					43,510	
Research Office & Conference Space						
Research Faculty Offices		43			5805	
	Cognitive Neuroscience Faculty Offices	13	10' - 8" x 12' - 8"	135	1755	
	Mouse Genetics Faculty Offices	2	10' - 8" x 12' - 8"	135	270	
	Neuroscience Bench Lab Faculty Offices	4	10' - 8" x 12' - 8"	135	540	
	Material & Physical Sciences Faculty Offices	16	10' - 8" x 12' - 8"	135	2160	
	Onyx Bridge Temp Lab Faculty Offices	6	10' - 8" x 12' - 8"	135	810	
	Visiting Faculty Offices	2	10' - 8" x 12' - 8"	135	270	
Departmental Conference Rooms					1536	
	Sm Conference Rooms	5	10' - 8" x 18' - 0"	192	960	
	Lg Conference Rooms	2	16' - 0" x 18' - 0"	288	576	
Faculty Work/Interaction Areas		4	16' - 0" x 21' - 4"	341	1364	
Kitchenette		4	10' - 8" x 8' - 0"	85	340	
Total Scientific Office & Conference Space					9,045	
Total Research Laboratories and Laboratory Offices					52,555	

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
Core Laboratories						
Vivarium						
	Animal Holding & Procedure Space				3,608	Approx. 5500 total mouse cages
	Holding Room Type I	4	11' - 0" x 21' - 6"	237	948	(3) Racks/room; 420 cages/room; 1680 cages
	Holding Room Type II	4	16' - 0" x 21' - 6"	344	1,376	(6) racks/room; 840 cages/room; 3360 cages; includes mouse cancer screening - need to define requirements
	Procedure Room Type I	4	11' - 0" x 21' - 6"	237	948	
	Procedure Room Type II	0	0' - 0" x 0' - 0"	0	0	
	Quarantine	1	16' - 0" x 21' - 0"	336	336	(6) racks in cubicles; 420-840 cages
	Scientific Space				879	
	Surgery Suite				642	Assumed to remain in existing facility
	Pre-Op	1	10' - 8" x 14' - 0"	149	149	
	Surgery	1	16' - 0" x 21' - 6"	344	344	
	Post-Op	1	10' - 8" x 14' - 0"	149	149	
	Mouse Behavioral Core				0	Assumed to remain in existing facility
	Prep Lab	0	11' - 0" x 21' - 6"	237	0	
	Testing Rooms	0	11' - 0" x 10' - 9"	118	0	
	Mouse Electrophysiology Suite				0	Assumed to remain in existing facility
	Prep Lab	0	11' - 0" x 21' - 6"	237	0	
	Testing Rooms	0	11' - 0" x 10' - 9"	118	0	
	Necropsy Room	1	11' - 0" x 21' - 6"	237	237	Assumed to remain in existing facility
	Washing & Facility Support Space				2,064	
	Dirty Cagewash	1	20' - 0" x 21' - 6"	430	430	
	Clean Cagewash	1	20' - 0" x 21' - 6"	430	430	
	Equipment Space	1	20' - 0" x 21' - 6"	430	430	
	Clean Cage Storage	1	20' - 0" x 21' - 6"	430	430	
	Laundry	1	10' - 0" x 8' - 0"	80	80	
	Janitorial	3	4' - 0" x 6' - 0"	24	72	
	Airlocks	2	8' - 0" x 12' - 0"	96	192	
	Receiving/Decon	0	8' - 0" x 12' - 0"	96	0	
	Staff Support Space				576	
	Office	1	10' - 8" x 12' - 0"	128	128	
	Break Room	1	12' - 0" x 16' - 0"	192	192	
	Toilet/Shower	2	8' - 0" x 10' - 0"	80	160	
	Gowning	1	16' - 0" x 6' - 0"	96	96	
	Subtotal Vivarium Space				7,127	
Advanced Imaging Center						
	MRI Space				747	
	MRI Bay 1	1	18' - 0" x 24' - 0"	432	432	
	MRI Bay 2	0	18' - 0" x 24' - 0"	432	0	possible future expansion
	Simulator	1	10' - 8" x 16' - 0"	171	171	
	Control Room	1	8' - 0" x 18' - 0"	144	144	
	Equipment Room	1	8' - 0" x 18' - 0"	144	144	
	Facility Support Space				661	
	Animal Prep Space	1	10' - 8" x 16' - 0"	171	171	
	Human Prep Space	1	10' - 8" x 12' - 0"	128	128	
	Toilets	2	8' - 0" x 10' - 8"	85	170	include locker & dressing area w/shower if possible
	Electronics	1	10' - 8" x 18' - 0"	192	192	
	Staff/Administrative Space				2,132	
	Director's Office	1	12' - 0" x 16' - 0"	192	192	
	Staff Offices	5	12' - 0" x 12' - 0"	144	720	
	Conference Room	1	14' - 0" x 18' - 0"	252	252	

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
	Data Analysis	1	21' - 4" x 24' - 0"	512	512	
	Reception/Waiting	1	12' - 0" x 16' - 0"	192	192	space for 4-6 people & receptionist
	Storage	1	12' - 0" x 14' - 0"	168	168	general storage nearer magnets
	Kitchenette/Break Room	1	8' - 0" x 12' - 0"	96	96	
Subtotal Advanced Imaging Center					3,540	
Total Core Facilities					10,667	

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
Building Amenity Space						
	Public Commons	1	40' - 0" x 60' - 0"	2,400	2,400	
	Collaboration Spaces	4	10' - 8" x 10' - 8"	114	456	
	Café	0	0' - 0" x 0' - 0"	0	0	
	Food Prep	0	0' - 0" x 0' - 0"	0	0	
Total Building Amenity Space					2,856	

Space #	Space Description	Qty.	Net Space Dimensions	Space NSF	NSF Total	Remarks
Building Support Facilities						
	Loading/Staging	1	16' - 0" x 20' - 0"	320	320	Need clarification on requirements
	Dock Office	0	10' - 8" x 10' - 8"	114	0	Need clarification on requirements
	Manned Security Station	0	10' - 8" x 10' - 8"	114	0	
	Mail Receiving/Sorting Rm	0	10' - 8" x 10' - 8"	114	0	
	Housekeeping Stor	1	10' - 8" x 10' - 8"	114	114	
	Maintenance Stor	1	10' - 8" x 10' - 8"	114	114	
	Recycling	1	10' - 8" x 10' - 8"	114	114	
	Shower Rooms	2	8' - 0" x 10' - 8"	85	170	
	Chemical Waste Hold	0	10' - 8" x 10' - 8"	114	0	Need clarification on requirements
	Radioactive Agent Hold	0	10' - 8" x 10' - 8"	114	0	Need clarification on requirements
	Radioactive Waste Hold	0	10' - 8" x 10' - 8"	114	0	Need clarification on requirements
	Infectious Waste Hold	1	10' - 8" x 10' - 8"	114	114	Need clarification on requirements
	EH&S Closet	0	6' - 0" x 10' - 8"	64	0	Need clarification on requirements
	Cylinder Stor	1	6' - 0" x 12' - 0"	72	72	
	CO2 Dispensing	1	6' - 0" x 8' - 0"	48	48	
	LN2/LHe Dispensing	1	6' - 0" x 8' - 0"	48	48	
Total Building Support Facilities					1,114	