	Phase I	Phase II	phase II increment	Group	
YEAR					
AMRI	**55**	**75**			
Guest	**0**	**175**			
Total Headcount	**55**	**225**			**Additional Detail.**
Screening Operations	3,200	4,300	1,100	A	Hosts larger items of screening hardware from Equipment List A (phase I list).
Biochemistry, cell culture, molecul	3,400	9,600	6,200	A	Phase I includes a 600 sq. ft mammalian tissue culture (BSL-2) with four 6' biosafety cabinets and floor space room for a minimum of 4 floor standing, double stack incubators, large refrigerator and a -80 degree freezer. Maximize bench space, 1 sink required ; 1,800 sq. ft. for general molecular biology, protein expression and biochemistry. Maximize bench space. Location of majority of Equipment List A items relating to cell biology, molecular biology, protein expression & purification, assay develpment and target/biomarker validation.
Phase II Technology Equipment Labs	5,300	9,300	4,000	A	Laboratory space for equipment from the phase 2 equipment list
CryoStorage room	400	400	-	B	Secure open area adjacent to outside wall and an external liquid nitrogen storage tank for autofill (both mammalian and microbial)
Coldroom lab	200	200	-	A	Prefer adjacent to AMRI-only biochem lab
Floor space for freezers, fridges, incubators & centrifuges	500	800	300	A	Adjacent to AMRI-only biochem, mammalian tissue culture and microbiology labs.
Library storage (4 degrees C)	1,000	1,500	500	B	Expandable rolling rack storage system. Phase I - libraries provided by AMRI; Phase II - on site, secure storage of client libraries
Microbiology	600	600	-	A	BSL-2 lab with two 6 foot biosafety hoods and room for one floor standing shaker and a pair of double stacked incubators. Maximize benchspace. Sink required. Location of majority of phase I microbiology hardware.
Natural product extract storage (-20 degrees C)	1,000	1,500	500	B	Prefer on 1st floor. Expandable rolling rack system. Phase I - libraries provided by AMRI; Phase II - expansion of inhouse collection and on site, secure storage of client libraries
Natural products (ambient)	1,500	2,000	500	B	Rolling rack system
Radioactive waste & controlled substance storage (ambient)	250	250	-	B	Separate, secured, 125 sq. ft. rooms for each.
Extraction/Isolation	600	600	-	A	One custom fumehood/cabinet and 3 snorkel exhausts required (for 2 genevacs and 1 liquid handler) plus 2 fumehoods for larger scale manual extractions and multiple snorkels for autopurification systems (2) and HPLCs (2+) used for NP purification. Maximize bench space. Should be highly ventilated and distant from mammalian tissue culture and microbiology labs.

Structural Analysis	2,000	2000	-	A	Location for the Equipment lists A&B LC-MS/MS and NMR hardware associated with proteomic, DMPK and NP discovery studies. Should be adjacent to extraction lab and distant from microbiology and mammalian tissue culture labs. Snorkels required at each LC-MS/MS to meet site installation requirements of the manufacturers. Most hardware provided on carts or stands. Benchtop space requirement less than a normal bio. lab. but needed for proteomic and DMPK-related experiments. NMR must be placed on manufacturers vibration isolation system in a first floor location. Control equipment access through password protection of software used to run the hardware.
Mammalian tissue culture autoclave and glasswash	280	280	-	A	To sterilize media and mammalian cultures and clean and sterilize used labware.
Warm rooms (secured)	320	320	-	A	Three 80 sq. ft warm room with temp and humidity control. Two with no benchwork (equipment to stand on floor) and one with bench along one wall.
Offices	600	1200	600	C	Office space to accommodate 5 to 6 for Phase I. 10 to 12 for Phase II.
Writing Area	3,100	4000	900	C	Cubicle space to accommodate 49 to 50 for Phase I. 65 for Phase II.
Consumable Storage	160	480	320	B	
TOTAL	**24,410**	**39,330**	**14,920**		

Laboratories	**16,400**	**28,000**	**11,600**	A
Storage	**4,310**	**6,130**	**1,820**	B
AMRI general	**3,700**	**5,200**	**1,500**	C

	Phase I	Phase II	phase II increment	Group	
YEAR					
AMRI	**55**	**75**			
Guest	**0**	**175**			
Total Headcount	**55**	**225**			**Additional Detail.**
Media prep lab	600	600	-	A	Prep of microbial growth media and buffer solutions
Microbiology autoclave and glasswash	550	550		A	To sterilize media and microbial broths and clean and sterilize used labware.
TOTAL	1,150	1,150	-		

Laboratories	1,150	1,150	-	A
Storage	-	-	-	B
Shared general	-	-	-	C

	Phase I	Phase II	phase II increment	Group	
YEAR					
AMRI	**55**	**75**			
Guest	**0**	**175**			
Total Headcount	**55**	**225**			**Additional Detail.**
Biochemistry, cell culture etc	600	9,600	9,000	A	Phase I includes a 200 sq. ft mammalian tissue culture (BSL-2) with two 6' biosafety cabinets and floor space room for a minimum of 1 floor standing, double stack incubators, large refrigerator and a -80 degree freezer. Maximize bench space, 1 sink required ; 400 sq. ft. for general molecular biology, protein expression and biochemistry. Maximize bench space. Designate (and permit) one bench area for radioactive work. Need to consider whether to provide basic equipment (BSL-2 cabinets, incubators, cell counter, handheld pipettes, magnetic stirrers, pH meters, plate readers). These were not included for guest labs in Equipment List A.
CryoStorage (Mammalian + Micro)		200	200	B	Could build cage in room shared with AMRI's cryofreezers to restrict guest access to ours. Would be required to meet APHIS regulations.
Coldroom lab		600	600	A	
Floor space for freezers, fridges, incubators & centrifuges	100	800	700	A	
Library storage (guest libraries, 4	-	500	500	B	
Microbiology	200	600	400	A	With 2 6 foot BSL-2 cabinets and room for one floor standing double stacked incubator. Maximize benchspace. Sink required.
Radioactive waste storage (ambient)	125	125	-	B	Permits will need to be obtained and managed by landlord to ensure timely access for guests. Can not operate using AMRI's permits for the use and disposal of radioactive waste.
Offices		1200	1,200	C	
Writing Area		4000	4,000	C	
Consumable Storage		480	480	B	
TOTAL	1,025	18,105	17,080		

Laboratories	**900**	**11,600**	**10,700**	A
Storage	**125**	**1,305**	**1,180**	B
Guest general	**-**	**5,200**	**5,200**	C

	Phase I	Phase II	phase 2 increment
YEAR			
common Space (halls, toilets)	8,000	13,000	5,000
Meeting Rooms	400	1,000	600
Datacenter	400	600	200
Training Rooms	-	5,000	5,000
Receiving	800	1,200	400
Break Room	800	1,600	800
Mechanicals	3,000	6,000	3,000
General			
TOTAL	**13,400**	**28,400**	**15,000**