

SERVICE REQUEST FORM FOR MOLECULAR BIOLOGY MOLECULAR GENETICS (MBMG) CORE

**MOLECULAR BIOLOGY MOLECULAR GENETICS (MBMG) CORE
NEW YORK OBESITY NUTRITION RESEARCH CENTER**

PROJECT PI: Last Name _____, First Name _____
 Phone#: _____ EMAIL: _____
 Core member: Y / N

PROJECT TITLE: _____

Category	Service	Member	Academic Non-Member	Industry
<input type="checkbox"/> DNA extraction	from mouse tail			
	from blood			
<input type="checkbox"/> RNA isolation	mouse			
	human			
<input type="checkbox"/> Plasmid generation	cloning from cDNA			
	Site directed mutagenesis/ plasmid construction			
<input type="checkbox"/> qPCR	reverse transcription			
	primer design/ordering			
	qPCR run in duplicate			
	qPCR machine use			
<input type="checkbox"/> Genotyping	Design of restriction digest PCR primers for genotyping			
	Restriction enzyme based genotyping			
	PCR based genotyping			
<input type="checkbox"/> Copy number	Affy array			
<input type="checkbox"/> RNAseq	analysis of project			
<input type="checkbox"/> Exome sequence	mouse analysis			
	human analysis			
<input type="checkbox"/> Low density arrays	bulk discount			
<input type="checkbox"/> CHiP	Analysis			
<input type="checkbox"/> Modifications	methylation analysis			
	Histone modification analysis			
<input type="checkbox"/> Single cell RNAseq	analysis			
<input type="checkbox"/> Mice	ob on BALB/cJ; ob with Agrp-/-; db on C57BL/6J; Lepr-floz on FVB/NJ; Lepr-flox with NPY -/- on FVB/NJ			
<input type="checkbox"/> Transgenic mice	Design of mouse			
	Injection into hybrid cell			
<input type="checkbox"/> Microscopy	Confocal			

	fluorescent			
	neuronal cell counting software			
<input type="checkbox"/>	Bioinformatics	analysis		
<input type="checkbox"/>	Facs sorting	design and analysis		
<input type="checkbox"/>	iPSc generation	Skin biopsy		
	Fibroblast differentiation			
	iPSC generation			
<input type="checkbox"/>	iPSC differentiation	differentiation into beta cells		
	differentiation into hypothalamic cells			
<input type="checkbox"/>	CRISPR	primer design		
<input type="checkbox"/>	Viral vectors	construction- user provided insert		
	construction- core provided insert			
<input type="checkbox"/>	Metabolomics			

For inquiries or cost information, please contact wkc15@cumc.columbia.edu