

<p align="center"><b>Howard University</b> <b>Proposal for Laboratory Vertebrate Use in Research, Teaching or Testing</b></p> <p align="center"><b>Form IACUC B</b></p> <p>Use this form for annual continuation of a research proposal that has no significant changes in animal care and use. Do Not Use this form if there are significant changes in animal care and use or if a 3-year De novo submission is due (i.e., end of the third year but before the beginning of the fourth year). Use the IACUC A Proposal for Laboratory Vertebrate Use in Research, Teaching or Testing (IACUC-A Form) for De novo submissions or for significant changes in animal care and use. See Instructions for completing the IACUC Forms at <a href="http://www.huiacuc.howard.edu">www.huiacuc.howard.edu</a>. Sections of this form will expand to accommodate text as needed.</p> <p>Note: Incomplete, hand-written or unsigned forms will be returned. For assistance in completing this form call the IACUC Office at 202 865 8353 or email <a href="mailto:Marline.BrownWalthall@howard.edu">Marline BrownWalthall</a> at <a href="mailto:marline.brownwalthall@howard.edu">marline.brownwalthall@howard.edu</a>. The IACUC Office Address is IACUC, Howard University Office of Research and Regulatory Compliance, Howard University Research Building (HURB-1), 1840 7<sup>th</sup> Street, NW, Room 215, Washington, DC 20001.</p> <p>If required click "enable content" and "edit document" to access input fields.</p>	<b>For Committee Use Only (Revised 07/2017)</b>			
	<b>Date Received:</b>			
	<b>IACUC No.:</b>			
	<b>Document Type:</b>		Continuation	
	<b>FCR</b>	<input type="checkbox"/>	<b>Date Reviewed</b>	
	<b>FCR Approval Date</b>			
	<b>Assigned to Scientific Merit Rev</b>		<input type="checkbox"/>	<b>Date</b>
	<b>Assigned to DMR</b>		<input type="checkbox"/>	<b>Date</b>
	<b>DMR Approval Date</b>			
	<b>RSC</b>	NA <input type="checkbox"/> Pending <input type="checkbox"/>	<b>Approval Date</b>	
	<b>IBC</b>	NA <input type="checkbox"/> Pending <input type="checkbox"/>	<b>Approval Date</b>	
	<b>Final Approval Date</b>			
	<b>Expiration Date</b>			
<b>No. Animals Approved This Period</b>				
<b>USDA Category:</b>		C <input type="checkbox"/>	D <input type="checkbox"/> E <input type="checkbox"/>	
<b>Notes:</b>				

<b>Protocol No.</b>		<b>Expiration</b>		<b>Funding Source</b>							
<b>Proposal Title</b>											
<b>Principle Investigator Information</b>											
<b>Prefix</b>	<b>First Name</b>	<b>Middle Init</b>	<b>Last Name</b>	<b>Dept</b>	<b>Phone</b>	<b>Fax</b>	<b>Email</b>				
Dr.											
<b>Identify species (using drop-down menu) and indicate (✓) if animal is a USDA-covered species (USDACS) or Endangered (ENDG)</b>											
<b>Species 1&gt;</b>	<b>USDACS</b>	<b>ENDG</b>	<b>Species 2&gt;</b>	<b>USDACS</b>	<b>ENDG</b>	<b>Species 3&gt;</b>	<b>USDACS</b>	<b>ENDG</b>	<b>Species 4&gt;</b>	<b>USDACS</b>	<b>ENDG</b>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

<b>I. Total Animals Per Year and Total Animals for All Years Per Breed or Strain (Rodents) Under Breed/Strain list each strain separately and enter entire strain genotype; add an abbreviation if desired.</b>							<b>II. Average No. Housed Simultaneously</b>		<b>III. Average Housing Days Per Animal</b>	
<b>Species 1</b>	<b>Breed or Strain(s)</b>						<b>HOW MANY AT A TIME?</b>		<b>AVERAGE TO BE HOUSED DAILY?</b>	
<b>Total Animals Per Year for each species of animal [See instructions above (*).]</b>	<b>Year 1</b>	<b>Year2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Total for Years 1-5</b>	<b>6. Current Approved (if Not New) or Requested (New)</b>	<b>7. Change Request (Enter 0 if New)</b>	<b>8. Current Approved (if Not New) or Requested (New)</b>	<b>9. Change Request (Enter 0 if New)</b>
<b>Indicate the year or 12-month approval period for which approval to add or use animals applies→</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
1. No. Approved\Requested	0	0	0	0	0	0	0	0	0	0
2. Additional No. Requested	0	0	0	0	0	0	<b>Numbers may be entered in Rows 1, 2 and 4 for Years 1 thru 5. Numbers are automatically calculated in Rows 3 and 5. If there is a delay in calculation after numbers are entered, double click any number in Rows 1, 2 or 4 to the left of the last number entered.</b>			
3. New Total (Add 1 + 2)	0	0	0	0	0	0				
4. No. Used To Date	0	0	0	0	0	0				
5. No. Remaining for Use (Subtract 4 minus 3)	0	0	0	0	0	0				
<b>INDICATE NUMBER OF ANIMALS YOU PLAN TO USE DURING OR WITHIN THIS 12-MONTH APPROVAL PERIOD (BE SURE TO ADD REMAINING ANIMALS PREVIOUSLY APPROVED IF YOU STILL PLAN TO USE THEM FOR THIS APPROVAL PERIOD) My request for or within this 12 month approval period is: <b>The total will automatically calculate. If there is a delay in calculation double click any number to the left of "Total"</b></b>										
<b>For This Approval Period Only Enter Animal Numbers →</b>	Year 1 request or number of animals already approved for this 12 month approval period			New animals requested/ to be added this year		Carryover: You may add or choose not to add carryover animals not used in previous years to this 12 month approval period.		Total:		

	0	0	0	0
<b>Comments:</b>				

I. Total Animals Per Year and Total Animals for All Years Per Breed or Strain(Rodents) Under Breed/Strain list each strain separately and enter entire strain genotype; add an abbreviation if desired.							II. Average No. Housed Simultaneously		III. Average Housing Days Per Animal	
Species 2	Breed or Strain(s)						HOW MANY AT A TIME?		AVERAGE TO BE HOUSED DAILY?	
Total Animals Per Year for each species of animal [See instructions above (*).]	Year 1	Year2	Year 3	Year 4	Year 5	Total for Years 1-5	6. Current Approved (if Not New) or Requested (New)	7. Change Request (Enter 0 if New)	8. Current Approved (if Not New) or Requested (New)	9. Change Request (Enter 0 if New)
<b>Indicate the year or 12-month approval period for which approval to add or use animals applies→</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
1. No. Approved\Requested	0	0	0	0	0	0	0	0	0	0
2. Additional No. Requested	0	0	0	0	0	0	<b>Numbers may be entered in Rows 1, 2 and 4 for Years 1 thru 5. Numbers are automatically calculated in Rows 3 and 5. If there is a delay in calculation after numbers are entered, double click any number in Rows 1, 2 or 4 to the left of the last number entered.</b>			
3. New Total (Add 1 + 2)	0	0	0	0	0	0				
4. No. Used To Date	0	0	0	0	0	0				
5. No. Remaining for Use (Subtract 4 minus 3)	0	0	0	0	0	0				
INDICATE NUMBER OF ANIMALS YOU PLAN TO USE DURING OR WITHIN THIS 12-MONTH APPROVAL PERIOD (BE SURE TO ADD REMAINING ANIMALS PREVIOUSLY APPROVED IF YOU STILL PLAN TO USE THEM FOR THIS APPROVAL PERIOD) My request for or within this 12 month approval period is: <b>The total will automatically calculate. If there is a delay in calculation double click any number to the left of "Total"</b>										
<b>For This Approval Period Only Enter Animal Numbers →</b>	Year 1 request or number of animals already approved for this 12 month approval period				New animals requested/ to be added this year		Carryover: You may add or choose not to add carryover animals not used in previous years to this 12 month approval period.		Total:	
	0				0		0		0	
<b>Comments:</b>										

I. Total Animals Per Year and Total Animals for All Years Per Breed or Strain(Rodents) Under Breed/Strain list each strain separately and enter entire strain genotype; add an abbreviation if desired.							II. Average No. Housed Simultaneously		III. Average Housing Days Per Animal	
Species 3	Breed or Strain(s)						HOW MANY AT A TIME?		AVERAGE TO BE HOUSED DAILY?	
Total Animals Per Year for each species of animal [See instructions above (*).]	Year 1	Year2	Year 3	Year 4	Year 5	Total for Years 1-5	6. Current Approved (if Not New) or Requested (New)	7. Change Request (Enter 0 if New)	8. Current Approved (if Not New) or Requested (New)	9. Change Request (Enter 0 if New)
<b>Indicate the year or 12-month approval period for which approval to add or use animals applies→</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
1. No. Approved\Requested	0	0	0	0	0	0	0	0	0	0
2. Additional No. Requested	0	0	0	0	0	0	<b>Numbers may be entered in Rows 1, 2 and 4 for Years 1 thru 5. Numbers are automatically calculated in Rows 3 and 5. If there is a delay in calculation after numbers are entered, double click any number in Rows 1, 2 or 4 to the left of the last number entered.</b>			
3. New Total (Add 1 + 2)	0	0	0	0	0	0				
4. No. Used To Date	0	0	0	0	0	0				
5. No. Remaining for Use (Subtract 4 minus 3)	0	0	0	0	0	0				
INDICATE NUMBER OF ANIMALS YOU PLAN TO USE DURING OR WITHIN THIS 12-MONTH APPROVAL PERIOD (BE SURE TO ADD REMAINING ANIMALS PREVIOUSLY APPROVED IF YOU STILL PLAN TO USE THEM FOR THIS APPROVAL PERIOD) My request for or within this 12 month approval period is: <b>The total will automatically calculate. If there is a delay in calculation double click any number to the left of "Total"</b>										
<b>For This Approval Period Only Enter Animal Numbers →</b>	Year 1 request or number of animals already approved for this 12 month approval period				New animals requested/ to be added this year		Carryover: You may add or choose not to add carryover animals not used in previous years to this 12 month approval period.		Total:	
	0				0		0		0	

	0	0	0	0
<b>Comments:</b>				

I. Total Animals Per Year and Total Animals for All Years Per Breed or Strain(Rodents) Under Breed/Strain list each strain separately and enter entire strain genotype; add an abbreviation if desired.							II. Average No. Housed Simultaneously		III. Average Housing Days Per Animal	
Species 4	Breed or Strain(s)						HOW MANY AT A TIME?		AVERAGE TO BE HOUSED DAILY?	
Total Animals Per Year for each species of animal [See instructions above (*).]	Year 1	Year2	Year 3	Year 4	Year 5	Total for Years 1-5	6. Current Approved (if Not New) or Requested (New)	7. Change Request (Enter 0 if New)	8. Current Approved (if Not New) or Requested (New)	9. Change Request (Enter 0 if New)
<b>Indicate the year or 12-month approval period for which approval to add or use animals applies→</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
1. No. Approved\Requested	0	0	0	0	0	0	0	0	0	0
2. Additional No. Requested	0	0	0	0	0	0	<b>Numbers may be entered in Rows 1, 2 and 4 for Years 1 thru 5. Numbers are automatically calculated in Rows 3 and 5. If there is a delay in calculation after numbers are entered, double click any number in Rows 1, 2 or 4 to the left of the last number entered.</b>			
3. New Total (Add 1 + 2)	0	0	0	0	0	0				
4. No. Used To Date	0	0	0	0	0	0				
5. No. Remaining for Use (Subtract 4 minus 3)	0	0	0	0	0	0				
INDICATE NUMBER OF ANIMALS YOU PLAN TO USE DURING OR WITHIN THIS 12-MONTH APPROVAL PERIOD (BE SURE TO ADD REMAINING ANIMALS PREVIOUSLY APPROVED IF YOU STILL PLAN TO USE THEM FOR THIS APPROVAL PERIOD) My request for or within this 12 month approval period is: <b>The total will automatically calculate. If there is a delay in calculation double click any number to the left of "Total"</b>										
<b>For This Approval Period Only Enter Animal Numbers →</b>	Year 1 request or number of animals already approved for this 12 month approval period			New animals requested/ to be added this year		Carryover: You may add or choose not to add carryover animals not used in previous years to this 12 month approval period.		Total:		
	0			0		0		0		
<b>Comments:</b>										

I. Total Animals Per Year and Total Animals for All Years Per Breed or Strain(Rodents) Under Breed/Strain list each strain separately and enter entire strain genotype; add an abbreviation if desired.							II. Average No. Housed Simultaneously		III. Average Housing Days Per Animal	
Species 5	Breed or Strain(s)						HOW MANY AT A TIME?		AVERAGE TO BE HOUSED DAILY?	
Total Animals Per Year for each species of animal [See instructions above (*).]	Year 1	Year2	Year 3	Year 4	Year 5	Total for Years 1-5	6. Current Approved (if Not New) or Requested (New)	7. Change Request (Enter 0 if New)	8. Current Approved (if Not New) or Requested (New)	9. Change Request (Enter 0 if New)
<b>Indicate the year or 12-month approval period for which approval to add or use animals applies→</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
1. No. Approved\Requested	0	0	0	0	0	0	0	0	0	0
2. Additional No. Requested	0	0	0	0	0	0	<b>Numbers may be entered in Rows 1, 2 and 4 for Years 1 thru 5. Numbers are automatically calculated in Rows 3 and 5. If there is a delay in calculation after numbers are entered, double click any number in Rows 1, 2 or 4 to the left of the last number entered.</b>			
3. New Total (Add 1 + 2)	0	0	0	0	0	0				
4. No. Used To Date	0	0	0	0	0	0				
5. No. Remaining for Use (Subtract 4 minus 3)	0	0	0	0	0	0				
INDICATE NUMBER OF ANIMALS YOU PLAN TO USE DURING OR WITHIN THIS 12-MONTH APPROVAL PERIOD (BE SURE TO ADD REMAINING ANIMALS PREVIOUSLY APPROVED IF YOU STILL PLAN TO USE THEM FOR THIS APPROVAL PERIOD) My request for or within this 12 month approval period is: <b>The total will automatically calculate. If there is a delay in calculation double click any number to the left of "Total"</b>										
<b>For This Approval Period Only Enter Animal Numbers →</b>	Year 1 request or number of animals already approved for this 12 month approval period			New animals requested/ to be added this year		Carryover: You may add or choose not to add carryover animals not used in previous years to this 12 month approval period.		Total:		
	0			0		0		0		
<b>Comments:</b>										

	0	0	0	0
<b>Comments:</b>				

**III. Were there any unanticipated problems with animal use or care or unexpected injuries or deaths?**

No	<input type="checkbox"/>	‘No’, there were/are no significant changes in numbers or species or animals used, procedures performed on animals, procedures designated to limit discomfort or injury to animals or methods of euthanasia. No such changes are planned for this project at the time of this submission.
Yes	<input type="checkbox"/>	‘Yes’, there were/are unanticipated problems with animal use or care or unexpected injuries or deaths. If response is yes provide explanation below:

**IV. Progress Report: Completion of this item is required even if animal work has not commenced. In this case explain why no animals were used.** Provide a progress report below or check here  and attach a separate sheet for activity over the past 12 month approval period).

**V. List name(s) of all animal handlers(s) added to or deleted from this project below:**

Staffing Change	Name	Completed LATA Online Training and Certification		Years of Experience With Relevant Species
		Yes	No	
Added		<input type="checkbox"/>	<input type="checkbox"/>	
Added		<input type="checkbox"/>	<input type="checkbox"/>	
Added		<input type="checkbox"/>	<input type="checkbox"/>	
Added		<input type="checkbox"/>	<input type="checkbox"/>	
Added		<input type="checkbox"/>	<input type="checkbox"/>	
Deleted				
Deleted				
Deleted				
Deleted				
Deleted				

**Information Needed if Adding Staff:** (1) Indicate their animal research experience (briefly); (2) Describe the procedures and duties they will perform on the protocol, (3) Identify the research staff person who will train them in protocol specific procedures they have never performed (Document training if applicable: individual trained, trainer, procedure trained to perform, date of training and location of training).

**V. List any minor changes to be employed for animal use or care below. Be sure to explain and justify the reason for the change. If adding new strains of animals (same species) explain and justify the reason for the change.**

**Additional information:**

I certify that this form is completed truthfully, that I and all persons who handle animals on this project are or will be appropriately trained, that the IACUC will be notified before any changes are made in animal use or care, that this study will be conducted humanely in accordance with University and applicable federal regulations, and that a reasonable good-faith effort was made to assure that the proposal activities do not unnecessarily duplicate previous experiments. Applicable IACUC guidelines will be followed.

Principal Investigator (Print or Type Name)	Principal Investigator Electronic or Standard Signature	Date