

## Cayuse424 Training Document: How to Use the “Exploder” in Five Easy Steps

- 1) Take a properly formatted (see the Grants.gov Application Guide SF424 for details) Research Plan and insert a page break at each section header (e.g. Introduction, Specific Aims, Background & Significance, etc).

### A. SPECIFIC AIMS

The proliferation of mouse lines bearing mutations of neuronal genes provides unprecedented opportunities for uncovering neural bases of anxiety and for developing novel pharmacotherapeutic approaches for anxiety disorders. The extent to which we may productively examine the impact of genetic and pharmacological manipulations on anxiety-related behavior depends critically on the reliability and sensitivity of mouse behavioral assays. Data arising from common anxiety assessment methods must be interpreted with caution. Limitations of such procedures include problems of interpretation, reproducibility, and sensitivity. A growing appreciation of these caveats has led to a call for the development of novel approaches for detecting behavioral correlates of anxiety in the mouse<sup>8-11</sup>. We have developed systems for detailed monitoring of the rich patterns of behaviors exhibited by mice in their home cages. This approach provides an opportunity to examine spontaneous behavioral patterns, with high levels of precision and quantitation. We propose that stressors and anxiogenic treatments will produce characteristic alterations of home cage behavioral patterns that may serve as sensitive and specific behavioral “signatures” of anxiety state. We plan to determine the extent to which detection and

- 2) Create a PDF of the Research Plan using a PDF generator of your choice (e.g. Acrobat, Word 2007, Word OS X, Cute PDF, etc).
- 3) Login to Cayuse424, open your proposal and navigate to the **PHS 398 Research Plan** section.

<input type="checkbox"/>	<b>Modular Budget</b>
	1
<input type="checkbox"/>	<b>Subaward Budget</b>
	1
<input checked="" type="checkbox"/>	<b>PHS 398 Cover Page Supplement</b>
	1
	2
<input checked="" type="checkbox"/>	<b>PHS 398 Research Plan</b>
	1
<input type="checkbox"/>	<b>Targeted/Planned Enrollment Tab</b>
	1
<input type="checkbox"/>	<b>Inclusion Enrollment Report</b>
	1

- 4) Upload your Research Plan PDF to “0. Composite PDF”.

**2. Research Plan Attachments:**

Please attach applicable sections of the research plan, below.

0. Composite PDF. *When uploading a PDF with bookmarks (or something like that) it will be split up into separate documents and used to fill in the attachments below.*

ResearchPlan [pdf](#) (no src)

Add

Delete

- 5) Success! Breaking apart the Research Plan succeeded!

## Results:

Breaking apart the research plan succeeded.

Bookmarks Added to PDF:

Specific Aims  
Background and Significance  
Preliminary Studies  
Research Design and Methods  
Vertebrate Animals  
Consortium/Contractual Arrangements  
Resource Sharing Plan(s)

The following recognized bookmarks were found and used to create the associated research plan sections:

<b>Pg</b>	<b>Title</b>
1	Specific Aims
2	Background and Significance
5	Preliminary Studies
11	Research Design and Methods
18	Vertebrate Animals
23	Consortium/Contractual Arrangements
24	Resource Sharing Plan(s)