

# Ph.D. Dissertation Proposal: Paul Mendoza

**Dissertation Title:** Fission Product Decontamination Factors for Plutonium Separated by PUREX from Low-Burnup, Fast-Neutron Irradiated Depleted UO<sub>2</sub>

## I Introduction

This is an example citation [1]. Here is another example citation ???. Include any background information that is relevant to the problem.

## II Objectives

Describe the problem and your goals in solving it.

## III Present Status of the Question

Summarize your literature review. What is the pertinent previous research in this field? Include citations.

## IV Procedure

Describe your general solution method. If your work is experimental, give the nature of the data you will collect and how you will analyze it. If your work is computational, include a description of how you will verify your methodology (test cases, simulations, sensitivity analysis, etc.)

## V Expected Results

Include work already done and what you expect to see in the remaining work. Also talk about risk management - if something doesn't work as expected, are there alternative solutions?

## References

- [1] E. T. Tatro, S. Heffler, S. Shumaker-Armstrong, B. Soontornniyomkij, M. Yang, A. Yermanos, N. Wren, D. J. Moore, and C. L. Achim. Modulation of bk channel by microrna-9 in neurons after exposure to hiv and methamphetamine. *J Neuroimmune Pharmacol*, 2013. Tatro, Erick T Heffler, Shannon Shumaker-Armstrong, Stephanie Soontornniyomkij, Benchawanna Yang, Michael Yermanos, Alex Wren, Nina Moore, David J Achim, Cristian L R03 DA031591/DA/NIDA NIH HHS/United States U19 AI096113/AI/NIAID NIH HHS/United States Journal article Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology J Neuroimmune Pharmacol. 2013 Mar 19.