**REPORT DOCUMENTATION PAGE**

**Form Approved**
OMB No 0704-0188

1. AGENCY USE ONLY (Leave blank)  2. REPORT DATE  3. REPORT TYPE AND DATES COVERED
FINAL 01 Jul 95 to 30 Jun 98

4. TITLE AND SUBTITLE
RESEARCH TRAINING OF THE EFFECTS OF TOXIC SUBSTANCE
ON THE LUNGS

5. FUNDING NUMBERS
F49620-95-1-0401
3484/YS
61103D

6. AUTHOR(S)
DR MARK L. WITTEN

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
Dept of Pediatrics
University of Arizona
1501 N. Campbell Avenue
Tucson AZ 85724-0001

AFRL-SR-BL-TR-98-

8. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
AFOSR/NL
110 Duncan Ave Room B115
Bolling AFB DC 20332-8050

Dr Walter Kozumbo

9. SUPPLEMENTARY NOTES

12a. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution unlimited.

13. ABSTRACT (Maximum 200 words)
Our AASERT grant covers the salary and other related expenses for Raymond F. Robledo
who is a Ph.D. student in the Department of Pharmacology/Toxicology and Center for
Toxicology at the University of Arizona. Mr Robledo passed his final Ph.D.
examination on May 13, 1998. I will be forwarding a copy of his doctoral dissertation
to my AFOSR program manager, Dr Walter J. Kozumbo, when the binding of the document
has been completed. Dr Robledo will begin a post-doctoral fellowship in the
laboratory of dr Brooke Mossman, Department of Pathology, University of Vermont
College of Medicine on July 1, 1998. Raymond's research during the past three
years has been outstanding and was highlighted when his abstract concerning our
JP-8 jet fuel research was awarded the "Outstanding Student Research Award" for
the Inhalation Toxicology Section at the 1997 Society of Toxicology Meeting in
Cincinnati, Ohio.

14. SUBJECT TERMS

15. NUMBER OF PAGES
19980714 060

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT
(U)

18. SECURITY CLASSIFICATION OF THIS PAGE
(U)

19. SECURITY CLASSIFICATION OF ABSTRACT
(U)

20. LIMITATION OF ABSTRACT
(UL)
FINAL REPORT FOR DEPARTMENT OF DEFENSE AASERT TRAINING GRANT

"RESEARCH TRAINING OF THE EFFECTS OF TOXIC SUBSTANCES ON THE LUNGS"

Mark L. Witten, Ph.D., Principal Investigator.

Department of Pediatrics and The Center for Toxicology, The University of Arizona, Tucson, Arizona.

Overall Progress

Our AASERT grant covers the salary and other related expenses for Raymond F. Robledo who is a Ph.D. student in the Department of Pharmacology/Toxicology and Center for Toxicology at the University of Arizona. Mr. Robledo passed his final Ph.D. examination on May 13, 1998. I will be forwarding a copy of his doctoral dissertation to my AFOSR program manager, Dr. Walter J. Kozumbo, when the binding of the document has been completed. Dr. Robledo will begin a post-doctoral fellowship in the laboratory of Dr. Brooke Mossman, Department of Pathology, University of Vermont College of Medicine on July 1, 1998.

Raymond's research during the past three years has been outstanding and was highlighted when his abstract concerning our JP-8 jet fuel research was awarded the "Outstanding Student Research Award" for the Inhalation Toxicology Section at the 1997 Society of Toxicology Meeting in Cincinnati, Ohio.

Publications

Manuscripts and Conference Proceedings


(19) Robledo RF, Witten ML: Short-term pulmonary response to inhaled JP-8 jet fuel aerosol in mice. TOXICOLOGIC PATHOLOGY (revision submitted).
(20) Robledo RF, Barber DS, Witten ML: Modulation of bronchial epithelial cell barrier function by \textit{in vitro} jet-propulsion fuel 8 exposure. TOXICOLOGICAL SCIENCES (submitted).


Abstracts


