

# Research Proposal

May 22, 2008



Air Resources Board

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California Environmental Protection Agency

# Systemic Platelet Activation in Mice Exposed to Fine Particulate Matter

University of California, Davis

Dr. Fern Tablin

\$300,000 (24 months)

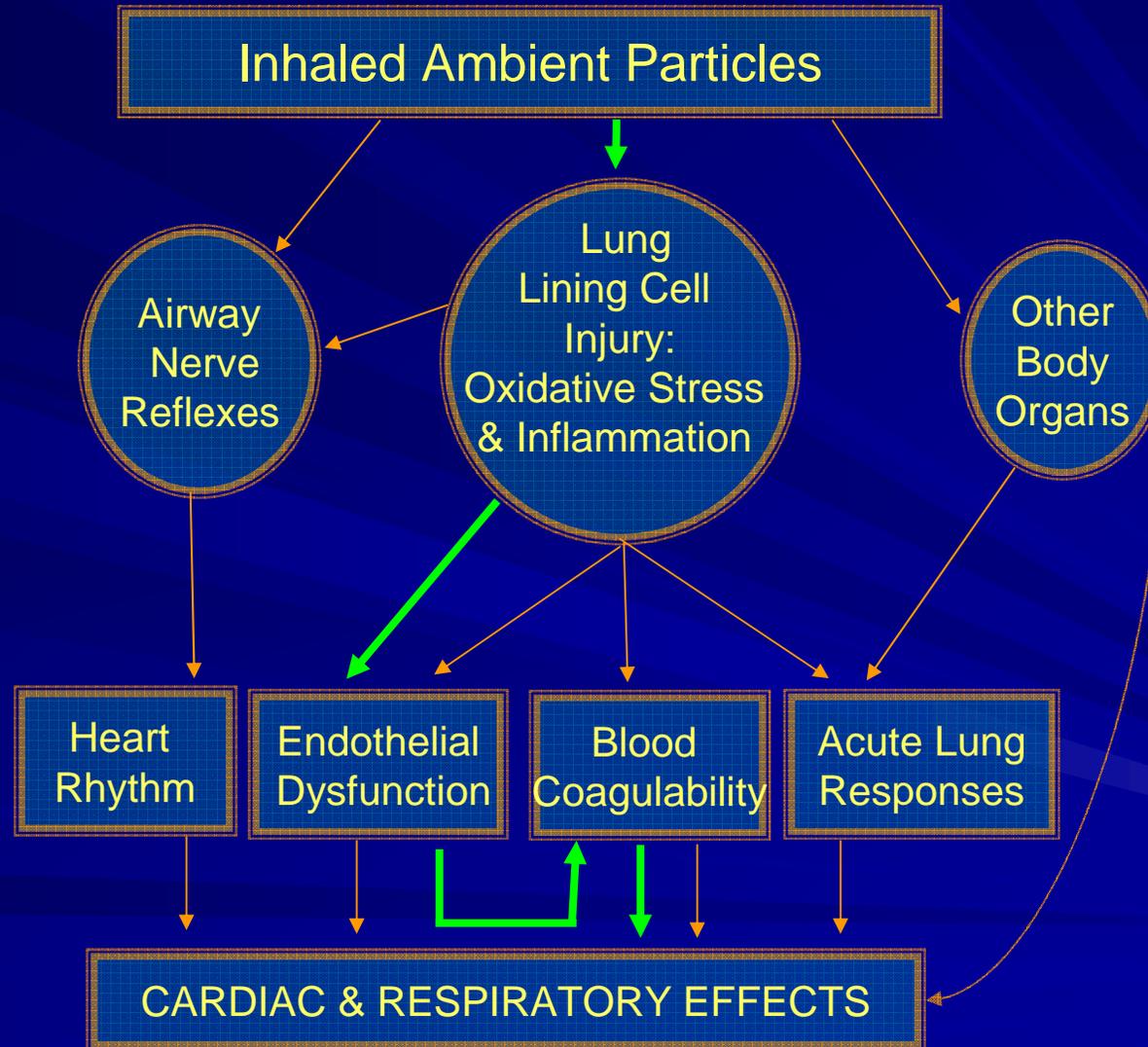
## Objective:

- Evaluate potential for inhaled particulate matter to activate blood platelets, and promote blood clotting.

## Expected Results:

- Elucidate the role of platelets in adverse heart and lung-related effects following exposure to PM<sub>2.5</sub>.
- Identify factors that increase risk of adverse effects with PM<sub>2.5</sub> exposure.

# Possible Mechanisms for PM Health Effects



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Recommendation

Approve Resolution

08-29