

BOARD MEETING DATE: April 6, 2012

AGENDA NO. 38

PROPOSAL: Annual Meeting of the Brain & Lung Tumor and Air Pollution Foundation

SYNOPSIS: This item is to conduct the annual meeting of the Brain & Lung Tumor and Air Pollution Foundation. The Foundation staff will present an annual report detailing the research supported by the Foundation over the past year, the Foundation's plans for the future, and a financial report.

COMMITTEE: No Committee Review

RECOMMENDED ACTIONS:

Receive and file the annual report and ratify the Foundation disbursements described in the annual report.

Barry R. Wallerstein, D.Env.  
Executive Officer

KRW:vmr

---

## **2012 Annual Report**

### **1. Background**

In February 2003, the Board established the Brain Tumor and Air Pollution Foundation. In March 2004 the Foundation amended its Articles of Incorporation to change its name to Brain & Lung Tumor and Air Pollution Foundation (Foundation) and to specify that its purpose is related to the effects of air pollution on brain tumors and lung cancer. The mission of the Foundation is to support research studies on the association between air pollution and brain and lung tumors, as well as research for the development of novel therapeutics for such tumors. To carry out its purpose, the Foundation has funded research projects investigating the links between air pollution and brain and lung tumors. The dollar amount of the funding provided to date is \$4,187,217. The current projects are described below.

## 2. **Directors and Officers**

The Directors of the Foundation are: Michael D. Antonovich, Chairman  
Dennis Yates, Vice Chairman  
Josie Gonzales  
Dr. Thomas Godfrey

The Foundation's staff is: Barry Wallerstein, Chief Executive Officer  
Denise Whitcher, Secretary  
Michael O'Kelly, Treasurer

## 3. **Report on the Foundation's Activities**

### *Current Research Projects*

In 2010, the Foundation Board accepted \$1,000,000 from the SCAQMD's Health Effects Research Fund, and approved funding for the following project.

- A. The Impact of Air Pollution on Brain Stem Cell Activation  
Principal Investigator: Keith Black, M.D., Cedars Sinai Medical Center  
Approved Funding: \$1,000,000  
Funding Allocated to Date: \$500,000

This project was approved by the Foundation Board in October 2010 as a follow up to previous laboratory studies conducted by Cedars Sinai. In the current study, laboratory animals are exposed to ambient particulate matter, including ultrafine particles, for additional investigation of the stem cell activation into cancer precursor cells. The elucidation of such molecular pathways involved in survival, proliferation and differentiation of cancer stem cells may be fundamental information to help develop therapies for brain tumors and to develop potential preventive measures. The research is being done in collaboration with the UC Irvine School of Medicine. The project is ongoing and scheduled to be completed by the end of 2012.

#### 4. Financial Report

As of January 31, 2012, the Foundation had a cash balance of \$563,720. Following is an accounting of the Foundation's operations since its inception (7/23/03):

|   |                          |
|---|--------------------------|
| <b>Revenue from Operations</b>              |                          |
| Contributions                               | \$ 4,722,568             |
| Interest Income                             | \$ 38,303                |
| <b><i>Total Revenue from Operations</i></b> | <b>\$ 4,760,871</b>      |
| <b>Operating Expenses</b>                   |                          |
| Grants Awarded                              |                          |
| -Cedars Sinai                               | \$ 3,809,250             |
| -USC  | \$ 377,967               |
| Corporation Filing Costs                    | \$ 1,010                 |
| Bank charges                                | \$ 524                   |
| Professional fees-audit                     | \$ 8,400                 |
| <b><i>Total Operating Expenses</i></b>      | <b>\$ 4,197,151</b>      |
| <b>Cash Balance</b>                         | <b>\$ <u>563,720</u></b> |

#### 5. Plans for Upcoming Year

The Foundation will continue monitoring the progress of existing research projects. The Foundation will evaluate new projects and provide funding to the extent that additional funds become available.