

*letter from chair with standard setting
committee requesting study as needed to change reg*

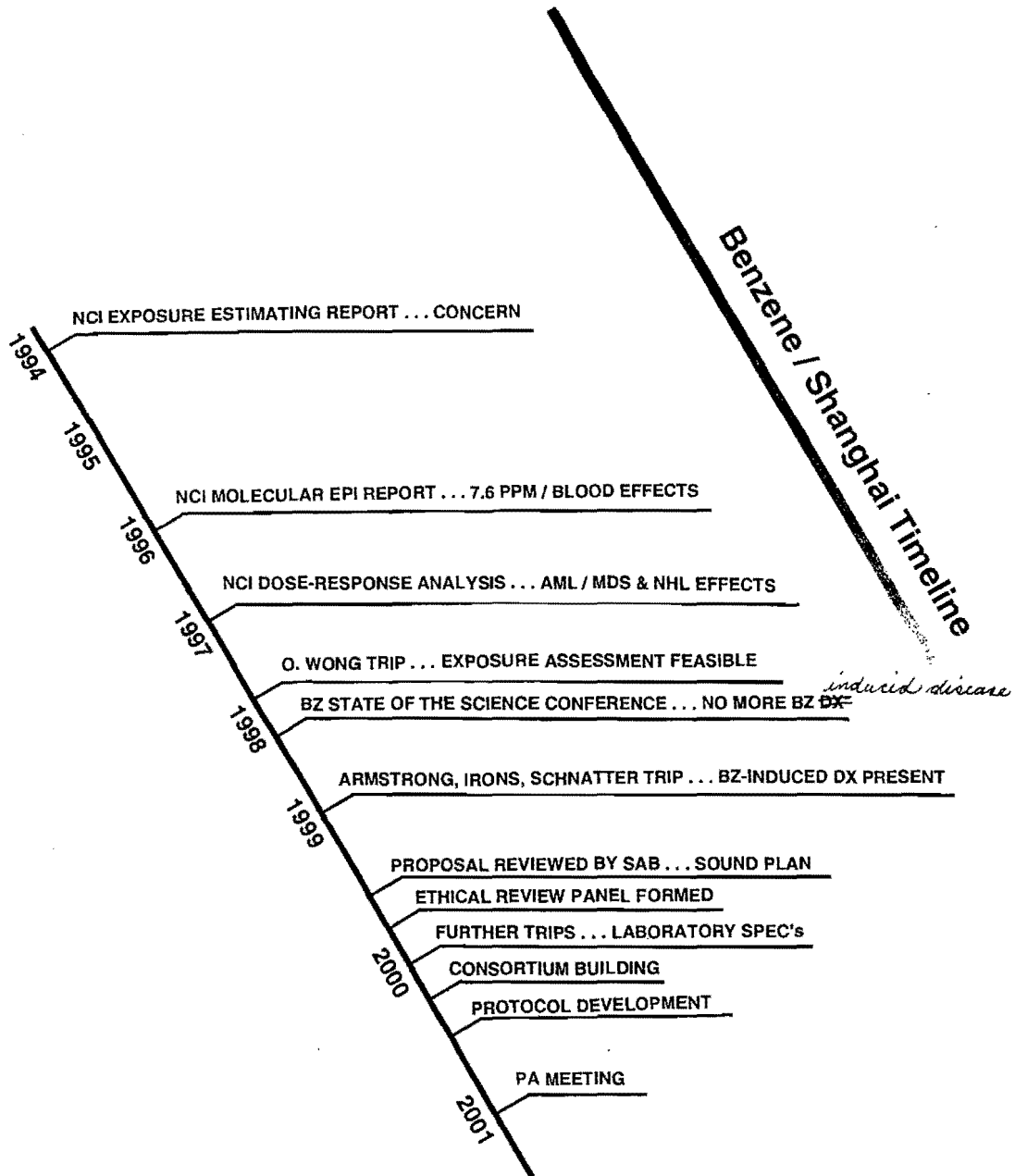
Benzene Shanghai Study Introduction / Background

January 26, 2001

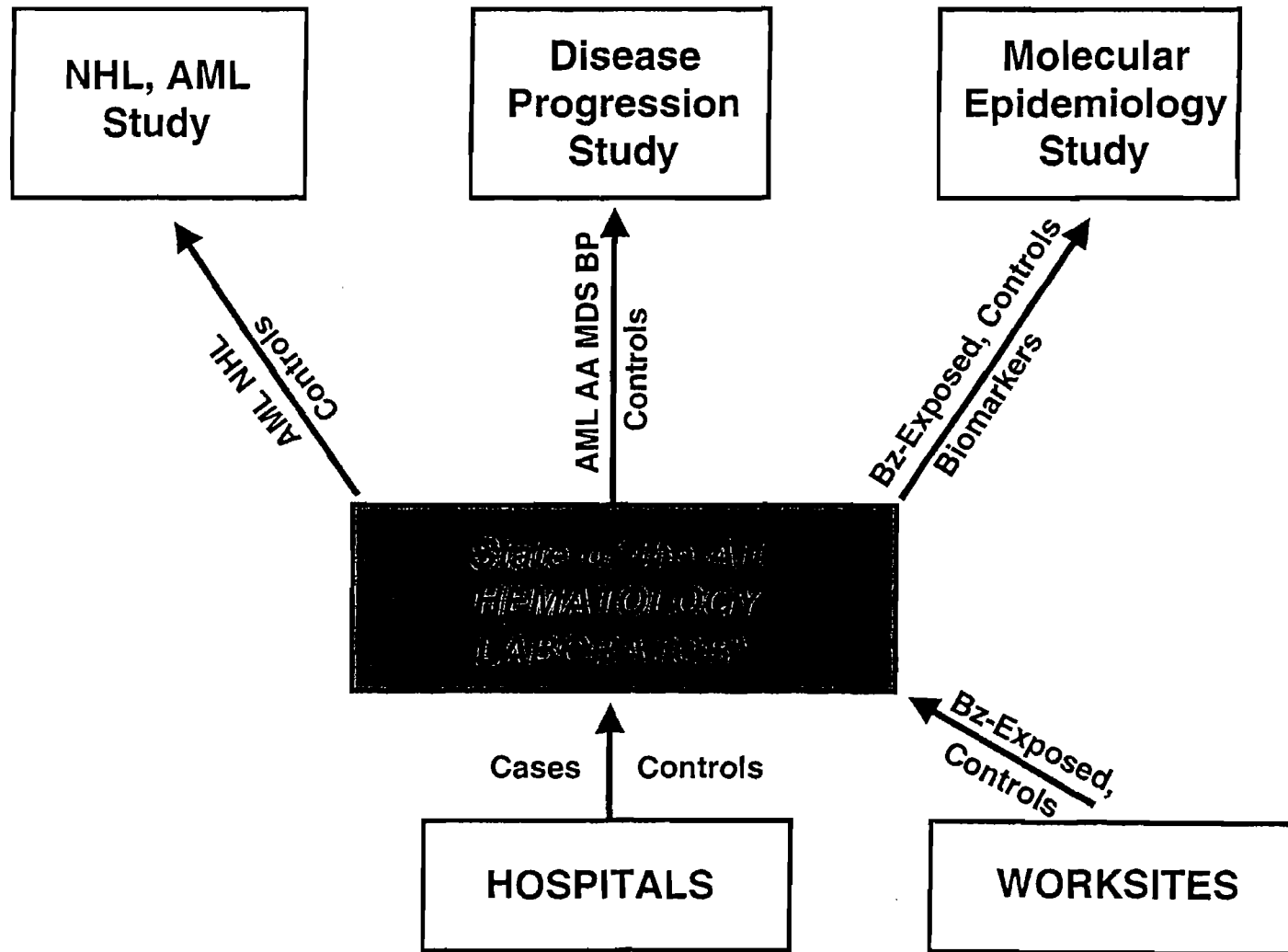
HAZ-SHA-001836

A. R. Schnatter

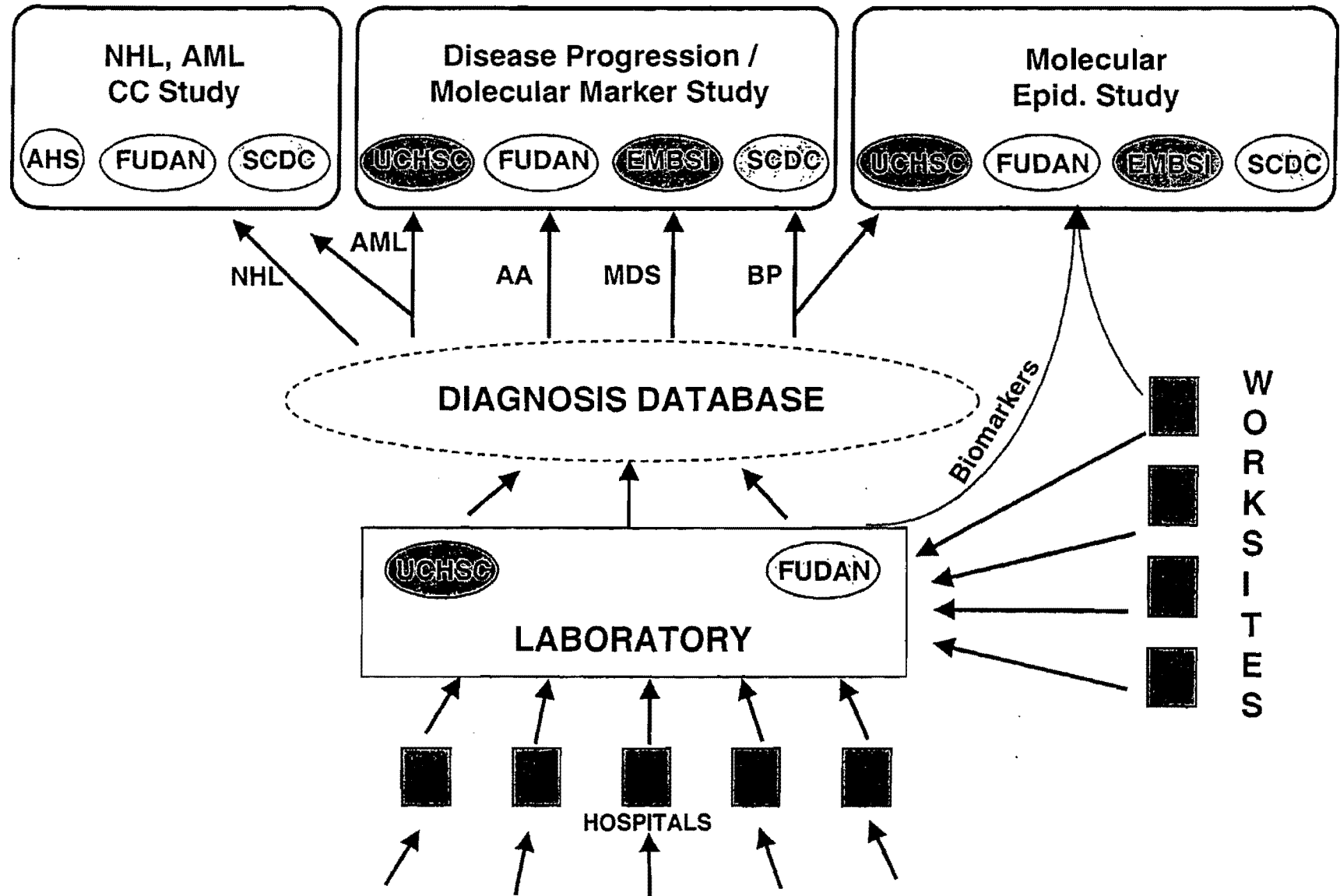




Shanghai Benzene Study Structure



Shanghai Benzene Structure



Why Shanghai?

- Largest Contributor to NCI Study
- Large Population (~14 million)
- Organized to Support Research (Fudan, SCDC, etc.)
- Exposures Relatively High, But Decreasing
- Willing Collaborators
 - Research know-how
 - Regulatory interest, mandate
 - Technology imports
- Influential Contacts

*auth to support
research for regulatory
purposes*

*Academy of Medicine
Medicine looking at
occupational exposures
incl. benzene*

*current
13 ppm/white blood count
not enforced
→ severe effects*

Study Collaborators and Supporters (Partial List)

- Fu Hua***
- Deputy Dean of Fudan University School of Public Health
 - IARC / WHO links
 - Primary collaborator on all studies
 - High level links into Chinese provincial & national governments
- Lu Wei***
- Deputy Director General, Shanghai CDC
 - Responsible for enforcement of exposure standards
- Lin Guowei***
- Director of Clinical Epidemiology, Fudan University
 - Vice President, Shanghai Hematology Society
 - Past President, Chinese Hematology Society
 - Primary clinical / diagnostic contact
- Zhou Shi Zhong***
- Deputy Director, Institute of Public Health Supervision (CDC)
 - Responsible for CDC exposure database
 - Responsible for monitoring exposure
- Liang You-Xin***
- Chairman, National Committee on Exposure Standards
 - Chairman, Occupational Preventive Med. Dept. Fudan
 - Responsible for development of workplace exposure standards

EXTENSIVE COLLABORATIVE TEAM IN PLACE, ANXIOUS TO START

Benefits of Extensive Collaboration

CHINESE PERSPECTIVE

- Import, Acquires Study Methods Expertise
- Enhances Professional Advancement - Publications
- Imports, Leading Technology, Know-How
- Broadens Training Opportunities
- Allows Greater Autonomy in Future

U.S. PERSPECTIVE

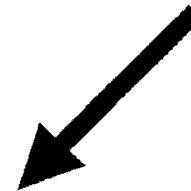
- Required to Navigate Socio-Political Infrastructure
- Ensures Adequate Participation
- Enhances Study Impact, Relevance
- Improves Business-Regulatory Interface in China
- Establishes Partner Spokespersons

Summary: Shanghai Findings

- High exposures
- Benzene-induced disease
- Good records since 1970s
- Technology sophistication
- Willing collaborators
- Influential contacts

1940's Exposures

21st Century Technology



**Unique, unparalleled
research opportunities**