



# American Statistical Association

## SAN FRANCISCO BAY AREA CHAPTER

### JOINT GENERAL APPLICATIONS AND BIOSTATISTICS

**SPEAKER:** Dr. Abraham Silvers  
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President, S.F. Bay Area Chapter of ASA  
Adjunct Professor, Biostatistics and Epidemiology, UCSF

**TOPIC:** "USER FRIENDLY COMPUTER SOFTWARE TO PERFORM QUANTAL MODEL  
AND TIME TO TUMOR RISK ASSESSMENT ESTIMATION"

Risk assessment has become a basis for setting environmental standards. For example, Proposition 65 relies on this methodology to assess the extent of toxicity of substances. This talk on risk assessment will present the statistical estimation issues of Risk Assessment and will demonstrate these with software. The software, developed collaboratively with K.S. Crump/ICF Clement, is user friendly for the IBM PC and obtains constrained maximum likelihood estimates for the most used quantal and time to tumor models. Some dose-response trend analysis is provided, and the capabilities to extrapolate results to humans from animal data based upon current thinking.

This meeting is held in conjunction with the UCSF Biostatistics and Epidemiology Seminar.

**DATE:** March 29, 1989 (Wednesday)  
**TIME:** 3:30 - 4:00 Coffee  
4:00 - 5:00 Presentation

**PLACE:** Room 302, Health Sciences West  
UC San Francisco (on Parnassus Ave)

**DIRECTIONS:** Public parking is available at the Millberry Union lot; enter on Parnassus Ave. From the parking lot cross Parnassus, walk through the Medical Sciences Building and down the corridor into Health Sciences West; the room is on the third floor. Contact Kelvin Lee (415) 852-3253 for further information.

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