



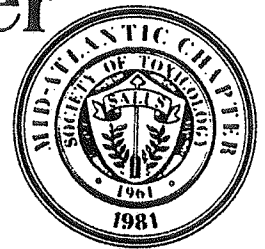
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REPRINTS

**mid-atlantic
chapter**



**Society of
Toxicology**

Spring Meeting • May 16, 1986
Sheraton Conference Center
Valley Forge, Pennsylvania

Co-therapy of tumor-injected animals with Verapamil and hyperthermia. Richard N. Prince, Gibraltar Biological Labs, 23 Just Road, Fairfield, N.J. 07006

A study was undertaken to determine if the combination therapy of verapamil, a calcium antagonist, and hyperthermia would reduce the incidence of Meth A solid sarcomas in Balb/c mice. It was determined that, unlike separate treatments, the co-treatment of tumor-injected animals resulted in a 75% decrease in tumor incidence. Utilizing radioimmunoassay, intratumor cyclic AMP levels (day 14) were measured. The co-treatment resulted in a 38% decrease in the levels of cAMP compared to untreated tumor-injected animals. The decrease in cAMP levels correlated with increases in splenic natural killer cell (NK) activity in co-treated tumor-injected mice when measured in a ^{51}Cr release assay.

A role for the involvement of the immune system was indicated by results of the Winn assay. 10^5 adoptively transferred splenocytes from tumor-injected mice treated with drug and heat resulted in the prevention of tumor incidence in syngeneic recipient animals, whereas 10^6 adoptively transferred splenocytes were needed to prevent tumor growth from untreated tumor-injected donor mice. These data suggest a possible clinical role for this therapeutic regimen in the future.

The Mid-Atlantic Chapter Society of Toxicology

The Mid-Atlantic Chapter was formed to: (1) serve as a focal point for toxicological interests within the region; (2) encourage interactions among toxicologists in government, industry, and academia; and (3) sponsor scientific and educational programs in toxicology. The Chapter and its by-laws were officially approved by the council of the Society of Toxicology at the March 1981 annual meeting. The membership currently exceeds 940 individuals, including students. Prospective members are asked to contact one of the officers listed below.

Officers (1985-1986)

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Spring Symposium Pharmacokinetics and Metabolism in Toxicology

8:00 - 9:00 Registration

8:00 - 9:00 Breakfast for Student
Participants

9:00 - 11:30 Poster Session

11:30 - 1:00 LUNCH

1:00 Introduction to Platform Session *John D. Paulson, Ph.D.*
McNeil Pharmaceutical

1:05 - 1:50 Pharmacokinetics in Toxicity *Thomas B. Marriott, Ph.D.*
Testing and Interpretation *McNeil Pharmaceutical*

1:50 - 2:10 Case Study: Toxicokinetics of *John Newton, Ph.D.*
the Anti-inflammatory *Smith-Kline Beckman*
Compound SKF 86002

2:10 - 2:30 Break

2:30 - 3:15 Metabolic Processes in *Frederick Guengerich, Ph.D.*
Toxicology *Vanderbilt University*

3:15 - 3:35 Case Study: Nitroimidazole *Gerald Miwa, Ph.D.*
Mutagenesis *Merck, Sharp and Dohme*

3:35 - 4:00 Panel Discussion

4:00 - 5:00 Social Hour: Wine and Cheese
ALL INVITED TO ATTEND