

Lab Meeting 7/28/95 Bill Baird Returns

BPDE

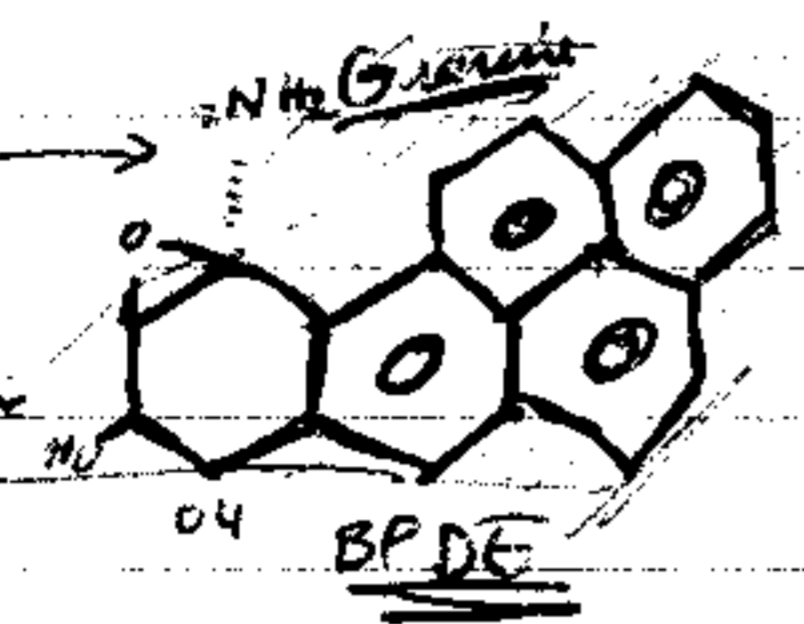
PAH... poly aromatic hydrocarbons

1st isolated was BPDE isolated from coal tar



planar

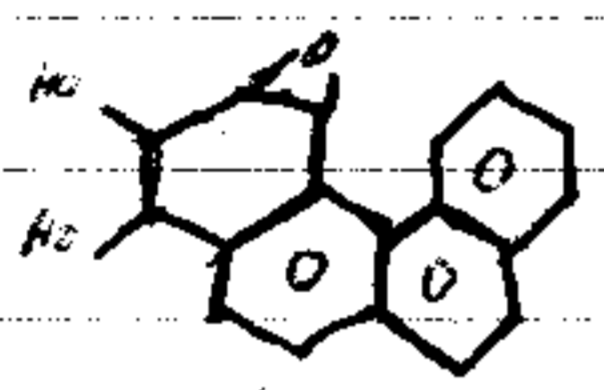
- binds to G
- and is mutagenic



← P450 BP

not planar

- reacts w/ G-NH<sub>2</sub>-A
- more tumorigenic



Benzo-c-phenanthrene  
BcPh



BPDE

- binds G
- mutations in HPRT correlate w/ G's on non-ts

BcPhDE

- binds A
- mutations correlate w/ presence of A on non-ts

Repair

- previous studies done using UVRABC to cleave
  - but could use laser
- ~~with~~ +5 = 175