DR. DAVID M. PERRIN
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BIO: David M. Perrin obtained his Ph.D. at UCLA (1965) with the late David Sigman where he worked on nucleic acid bioconjugates of phenanthroline copper that would target oxidative DNA scission. He then completed independent postdoctoral work with the late Professor Claude Helene in Paris where he discovered the first RNaseA-mimicking DNAzyme (1995-2000). In 2000 he accepted a position at the University of British Columbia in the Chemistry Department and now holds the rank of Full Professor. Professor Perrin has especially broad interests as he attacks unsolved questions on the interface of chemistry and biology. To date, he has focused on: 1) Artificial Ribonucleases, 2) 18F-Labeling for in vivo PET Imaging, 3) Chemical Biology of amanitin and related peptide toxins, and 4) Synthesis of DNA-inspired Janus-Heterocycles for the sequence specific recognition of duplex DNA. The diversity of these projects reflects his interests at the interface of chemistry and biology. Each project has generated an ongoing publication record in highly regarded peer-reviewed journals. As an independent PI, he has published 80 peer-reviewed works on these subjects.

PRESENTATION TITLE: ***From new F18-PET imaging agents to targeted toxins for therapy.***