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Dr. Boyer is a Professor of Emergency Medicine at the University of Massachusetts Medical School Department of Emergency Medicine. He is the director of Toxicology and former Director of the Toxicology Fellowship in the Department of Emergency Medicine. Dr. Boyer is a graduate of the Fellowship in Toxicology and Clinical Pharmacology at the Children's Hospital in Boston, MA. He is a graduate of the Emergency Medicine Residency of the University of Pennsylvania and received his MD from Columbia University School of Medicine. He also has a PhD in synthetic organic chemistry from Columbia University. He was a NIH postdoctoral fellow in protein design at The Rockefeller University. Dr. Boyer's research interests include: artificial intelligence approaches to predicting human behavior, combinatorial interventions for HIV treatment and substance abuse and identifying real-time drug use in natural environments.

Interest in the use of cannabis and cannabidiol (CBD) has erupted worldwide following decriminalization of cannabis by multiple governments. This talk, with its emphasis on the medicinal chemistry and pharmacology of cannabinoids, will describe the benefits, harms, threats and opportunities for clinicians and toxicologists in the wake of growing use among large populations.