

Advances In Understanding How Psychedelics Work In The Brain

Biography of Presenter:

David Nichols, Ph.D., holds the Robert C. and Charlotte P. Anderson Distinguished Chair in Pharmacology at the Purdue University College of Pharmacy, and is an Adjunct Professor of Pharmacology and Toxicology at Indiana University School of Medicine. He received a B.S. in chemistry from the University of Cincinnati in 1969, and a Ph.D. in Medicinal Chemistry from the University of Iowa in 1973, followed by postdoctoral work in pharmacology at the University of Iowa College of Medicine. He joined Purdue as an Assistant Professor in 1974, rising through the ranks to become Associate and then Full Professor. He was named the 2004 Irwin Page Lecturer by the International Serotonin Club and in 2006 received the first Provost's Outstanding Graduate Mentor award from Purdue University. He has published nearly 300 scientific articles, most of which deal with the relationship between molecular structure and biological action. Professor Nichols is unusual in that his research encompasses a breadth of expertise held by few others. He has been continuously funded by the NIH for nearly three decades and has served on numerous government review panels. He is recognized by most scientists as one of the world's leading authorities on the chemistry and pharmacology of psychedelics. Recently, he has been developing in silico-activated G protein-coupled receptor models to understand how drugs activate their receptors.

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