



Tudor I Oprea, MD, PhD

Chief Scientific Officer

Expert Systems Inc

Can Humans Learn from Machine Learning in Drug Discovery?

Tudor I. Oprea is a digital drug hunter with three decades of experience in knowledge management applied to target and drug discovery. He co-developed ChemGPS, the “lead-like approach”, systems chemical biology and a knowledge-based classification for human proteins. He co-discovered the first GPER agonist (now orphan drug designated) and GPER antagonist, and several GLUT transporter inhibitors. His machine learning models include cheminformatics and drug discovery, disease and target biology. His team maintains DrugCentral and Pharos, part of an NIH Common Fund project. He co-authored over 320 publications, 11 US patents, and edited 2 books on informatics in drug discovery.