



Lakshmi P. Kotra, B.Pharm.(Hons), Ph.D.

- **Ph.D. in Pharmacy** (University of Georgia)
- **Postdoctoral research in computer modeling** (Wayne State University)
- **Full Professor**, Leslie Dan Faculty of Pharmacy, University of Toronto
- **Senior Scientist**, Krembil Brain Institute, University Health Network
- **Successful Serial Entrepreneur**: Founding CEO of Lucid Psycheceuticals (acquired by FSD Pharma/Quantum BioPharma); Founded several other biotech companies, including CannScience Innovations, CIDAVA Innovations, and WinSanTor Inc.
- **Board of Directors**
 - Quantum BioPharma (NASDAQ/CSE: QNTM)
 - unbuzzd Wellness Inc. (USA)

-
- Recipient of major awards including the **2021 Julia Levy Award** from SCI Canada, **UHN's Local Impact Award for Discovery and Commercialization**, and malaria discoveries named "**Milestone in Canadian Health Research**" by CIHR.
 - **International Collaborations**: Played a pivotal role in establishing **UHNShanghai** (an off-site research center in China) and co-led **IC-IMPACTS** (a **\$30M R&D network** between Canada and India).



Lakshmi P. Kotra, B.Pharm.(Hons), Ph.D.

Discoveries and Accomplishments

Pharmaceuticals

- *Multiple Sclerosis*: The development of Lucid-21-302, a first-in-class, non-immunomodulatory small molecule designed to halt demyelination by inhibiting a key enzyme. Under my leadership, this project has moved from idea conception through molecular discoveries through rigorous animal models into its current status as a Phase 2 clinical candidate.
- *Malaria*: The discovery and advancement of 6-iodo-uridine (*Kopakamal*) from discovery to preclinical toxicology stage.
- *Diabetic Peripheral Neuropathy*: The development of WST-052 (WinSanTor). This therapeutic approach utilizes a selective muscarinic acetylcholine receptor M1 (M1R) antagonist, pirenzepine, formulated as a topical cream to maximize bioavailability at peripheral nerve endings. WST-052 is pre-commercial and utilized under "Right-to-Try" in the USA.

Natural Health Products/Dietary Supplements

- *Acute Alcohol Intoxication*: The commercial launch of unbuzzd™ (USA).
- *Natural Health Products*: The successful Health Canada registration of Qlarity™ (NPN: 80144141).