

Nutrasource Introduction



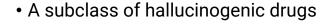
- Clinical and regulatory contract research organization (CRO)
- Based in Guelph, ON established 2002
- Specialty is working with supplements and botanicals to pharmaceutical standards
- Extensive experience with cannabis and psychedelics

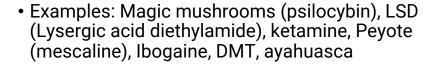
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Pharmaceutical and Nutraceutical Service

3

What are Psychedelics?









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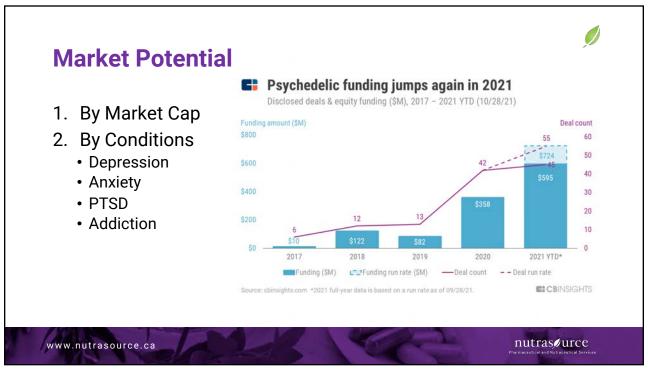
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How do the "work"? 1. Increases neuroplasticity 2. Increases and modifies neural communication channels 3. Create a "receptive" state of mind • Synergy between drug-induced hyper plasticity and therapy

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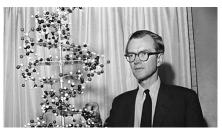
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Famous Psychedelic Users



- Francis Crick
- Nobel prize 1962
- Co-discoverer of the DNA structure
- Purportedly used [LSD] as a "thinking tool"



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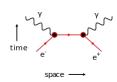
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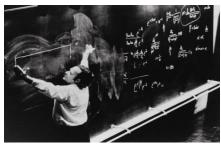
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Famous Psychedelic Users



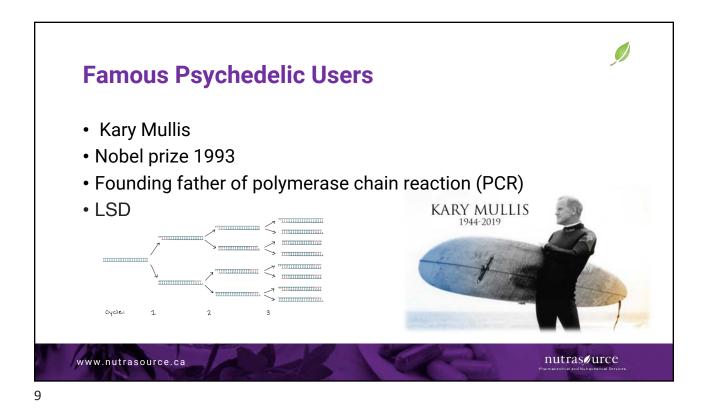
- Richard Feynman
- Nobel prize 1965
- Theoretical physicist specializing in quantum mechanics
- LSD, ketamine and marijuana



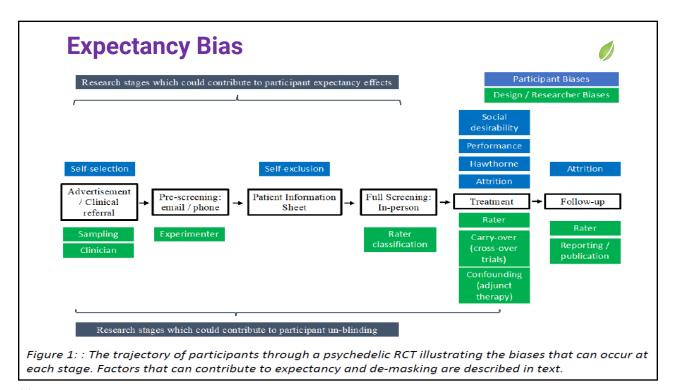


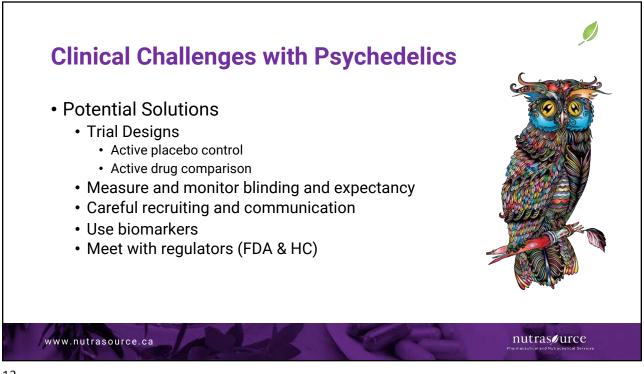
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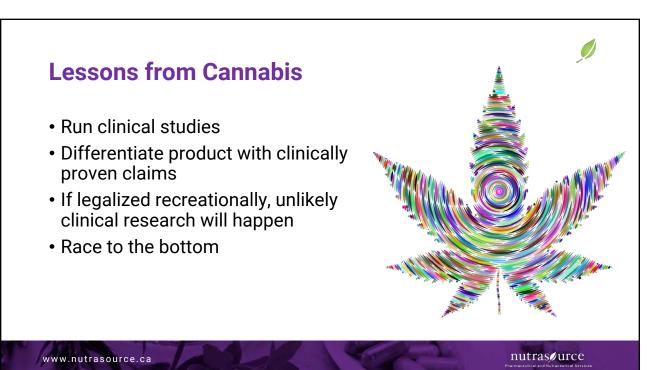
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Clinical Challenges with Psychedelics
 Masking/Blinding
 Expectancy bias
 "effects of psychedelics are entirely due to its amplification of the placebo response"
 BI_{fames} = (1+ P_{DR} + (1-P_{DR}) - R_D) / 2 (8)
 where K_D = P_{DR} P_{DR} / (9)
 P_{DO} = ∑²₁₂ ∑²₁₃ 1 1 (1-P_{DR}) / (1-P_{DR}) / (1-P_{DR})
 James Blinding Index (JBI)







Actions for Industry



- Run clinical trials
- Run carefully designed clinical trials
- Don't screw this up like Cannabis

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