

Identifying the elephant

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Propositions
Belonging to the thesis

Identifying the Elephant

TECHNOLOGICAL DEVELOPMENTS TOWARDS THE COMPLETE IDENTIFICATION OF LIPIDS

1. Describing the lipidome is much more complex, and necessitates either more complex experimental design, or multiple time-and-space delineated experiments. *-This Thesis*
2. While the ever-improving resolving power and structural elucidation capabilities of MS-based lipidomics have shed light onto the sheer complexity of the lipidome, both with respect to compositional and structural variations, they have also highlighted the vast analytical challenges still faced. *-This Thesis*
3. Such multimodal information is likely a necessity to understand the cause and effect in lipid composition within tissues. *-This Thesis*
4. The development of powerful, reproducible methods that can identify specific lipids is a key factor in forging better spatial omics. *-This Thesis*
5. Research is what I'm doing when I don't know what I'm doing. *-Wernher von Braun*
6. Art is I; science is we. *-Claude Bernard*
7. Mass spectrometry is one of the most sensitive methods for finding drugs, chemicals, pollutants, and disease, but the problem is that you have to extract a sample and treat that sample before you can analyze it. *-Evan Williams*
8. That's magic in action: world-carrying turtles are like that. But according to the old lady who espoused the Hindu cosmology, and was asked the same question by a learned astronomer, there is a different answer: 'It's turtles all the way down!' *-Terry Pratchett*