

High resolution mass spectrometry imaging for pharmaceutical and clinical applications

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1. Matrix sublimation is the most straightforward method for high resolution and high throughput MSI. (this thesis)
2. 3D-visualization of drug intensity distribution helps to understand drug absorption profiles. (this thesis)
3. In highly heterogenous tissues correcting for ion suppression effects becomes increasingly important. (this thesis)
4. Although lipidomics is often overlooked there is great potential for clinical applications. (this thesis)
5. To get MSI to the clinic will require combined efforts in throughput, reproducibility and validation. (vallorization)
6. It's childish, but it still gives me great pleasure to see high-res pictures everyone told me would be impossible. (Stefan Hell)
7. It's more important to know what sort of person has a disease than to know what sort of disease a person has. (Hippocrates)
8. I have this desire to keep improving, so I find fault. (Heston Blumenthal)
9. Let them eat cake. (Qu'ils mangent de la brioche, Marie Antoinette)
10. Mass resolution and mass accuracy: how much is enough? (Alan G. Marshall)
11. Mistakes are almost always of a sacred nature. Never try to correct them. On the contrary: rationalize them, understand them thoroughly. After that, it will be possible for you to sublimate them. (Salvador Dali)