

Selected IBF User Successes.



BREAKTHROUGH!

IBF demoed at Asilomar '16 & ASMS '17 100% input efficient ESI UPLC MS of nucleosides via an ANDROID device, w/U Cin., P. Limbach, et al, an international first!

IBF was used by G. Groenewold, et al, at INL, for the introduction of Li+ battey electrolyte DIRECTLY from and operating Li+ battery into a HRMS! How cool is that?

IBF used by the US Army for classified agent dispensing projects and MS R&D w/ GoPro camera. Accuracy verified from 5-500nLs, J. Olyer, et al. Air Force uses IBF too!

IBF is being used for MS Analysis of Oligonucleotides. NEW!!! JMS paper w/ U of Cincinnati yields most sensitive ESI analysis for oligonucleotides!

US Department of Energy is using IBF in the field to analyze Lanthanide and Actinide elements at fg levels WITHOUT an ICP using a cheap ion trap!

IBF, using nLs, increases MALDI, SIMS, LDI, DART mass spectrometry sensitivity by 10,20-100x LITERALLY. USF, NIH, NIST & JEOL.



University of Wisconsin has published IBF for single cell MALDI identifying six new ocular proteins. Other work ongoing.

University of Illinois published using IBF to study flying nanoLiters of liquids into levitated microliters, for wall-less kinetics. Scheeline, et al.

nanoLiter LLC using IBF dispenses PVA, w/ave. MW, ca. 300,000 for Abbott PLC for LO pseudo 3D "printing."

At Genentech, nanoLiter demonstrates 20 x improvement in MALDI sensitivity for proteins, peptides.

USF used IBF to make electrets, and for polymer MALDI.

In it's first application of IBF at NIH, PTM's of tublin in actual brain cancer samples were identified.

Sciex offered to license IBF for LC/MALDI, as nanoLiter morphs Roche and Spark Holland's systems for single channel, parallel ms. nL dispensing.

See more here. <http://www.nanoliter.com/nanoliterhasdone121213ver3.pdf> and see our references, <http://nanoliter.com/references2017.pdf>

