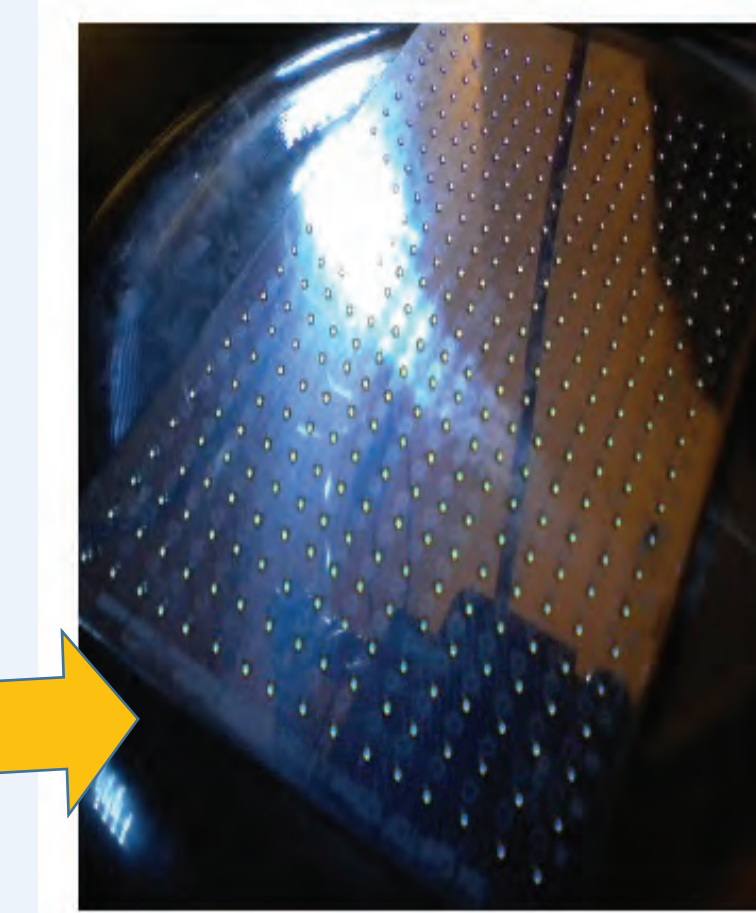
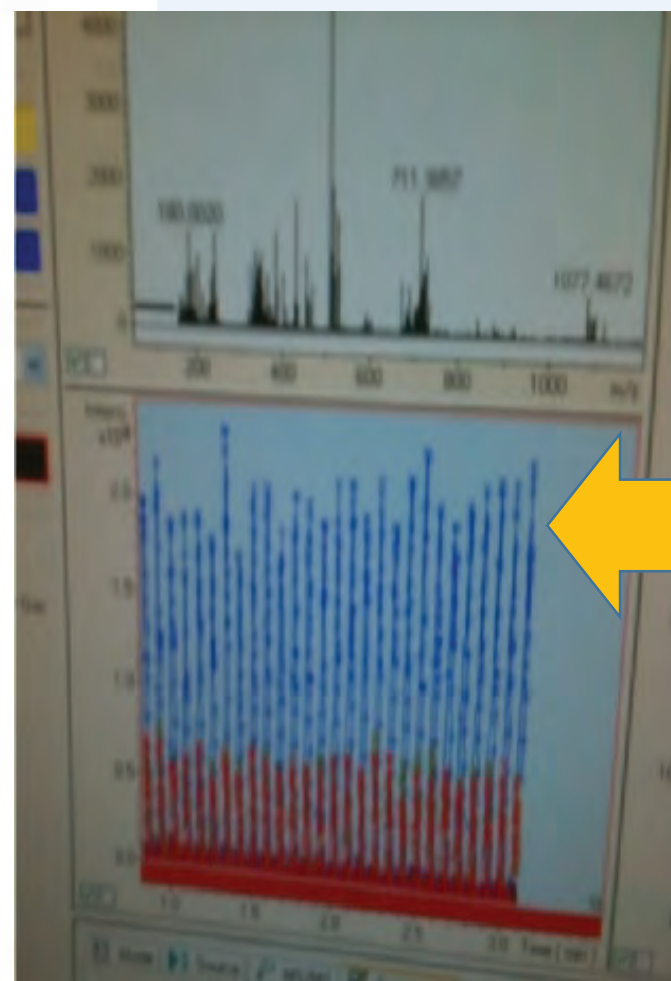
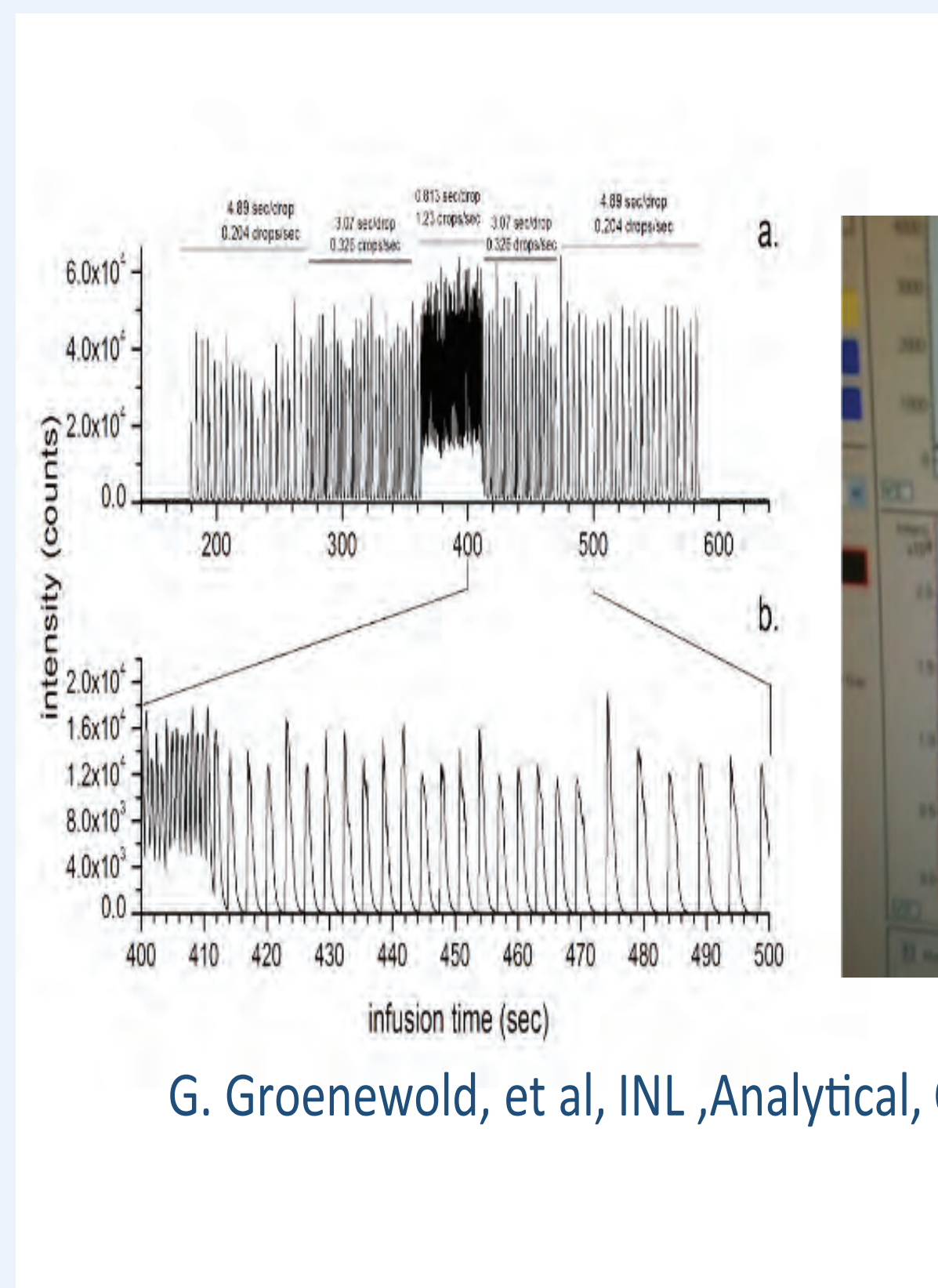


# nanoLiter Cool Wave™ Dispenser for MS Sample Intro/Prep, Fluidics, R&D & More!

## ESI ONE DEVICE FOR BOTH TECHNIQUES ! MALDI

NEW 21<sup>st</sup> century sample handling, prep fluidic tool set for ESI, MALDI , Sample Prep and R&D and other simple fluidic apps.

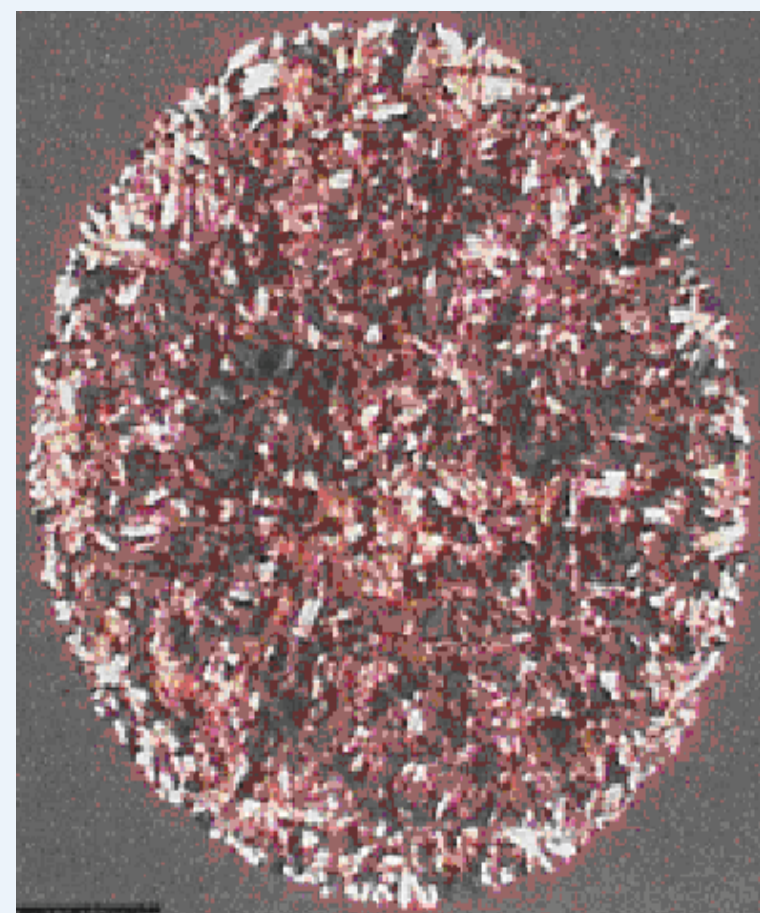
nLs yields **major** sensitivity, reproducibility increases for ESI,MALDI with the SAME device! Dispense **viscous** liquids, cells, blood, serum, polymers into/near any ESI ! nanoLiter Cool Wave is the lowest cost, fastest, most efficient and versatile, ESI sample introduction, MALDI dispensing tool in the world, literally! Shoot droplets in a line like this.....! Get it?



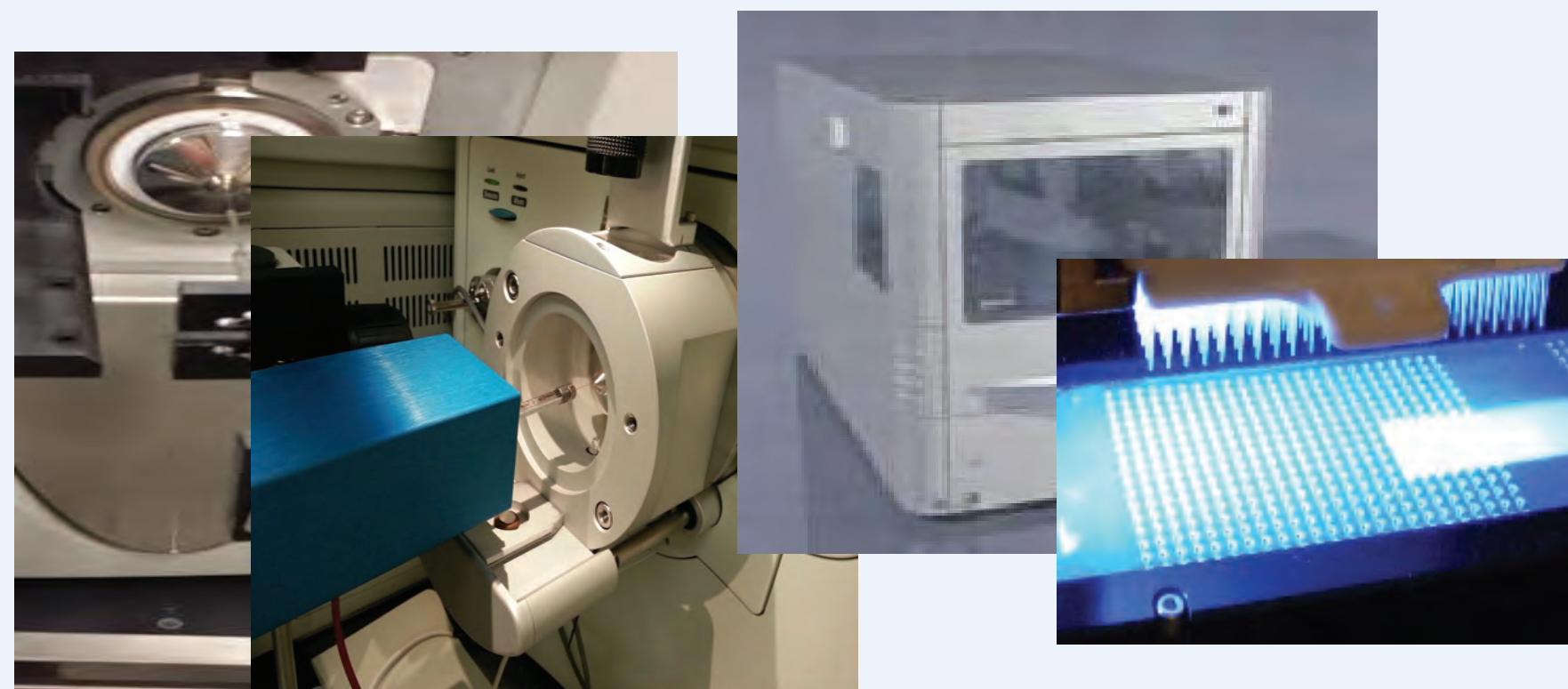
1.0 msec!



Ca. 25 nLs



J. Harmon et al, USF



IBF shoots sample into any ESI MS. Also append IBF to ANY robotic dispenser.

Fastest, most efficient MS sample introduction/prep. in world, literally!  
Makes excellent MALDI, SIMS, LDI crystals. See M. Gross, et al JASMS 08/08.  
Morph your **pump** into an ion source !!! that can also be a non-touch dispenser!!!  
Shoot cells, liquids into your MS. Do droplet research. Is ESI 100x more sensitive?  
**100% IBF ESI/LC/MS is more sensitivity than nano-Spray ! ASMS 2014 ,in press.**

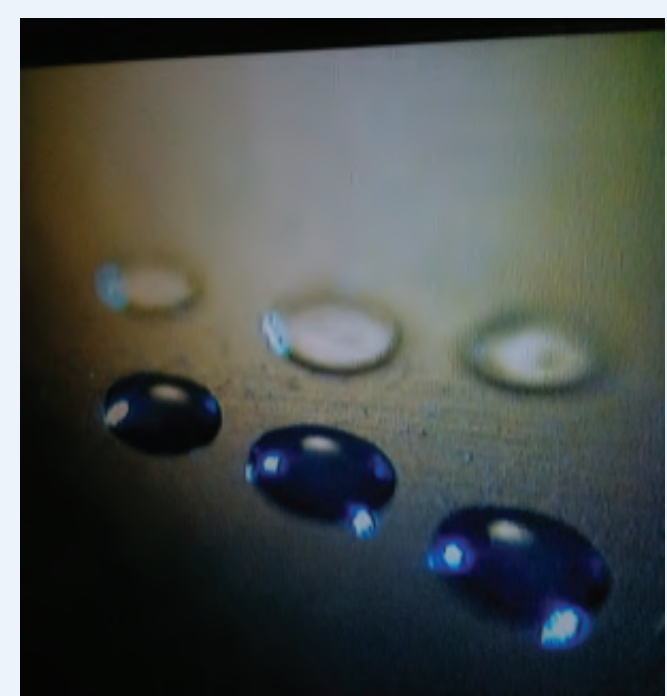
Save precious samples, expensive labeled standards.  
Make experiments safer, produce 10-100x less waste. IBF is GREEN tech!  
With full purchase, we often consult and train.

**License IP, including international positions available.**



MS syringes with 100 removable tips, \$149.00.

Ask about Pipette/MS. Explore LO 3D printing.



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