



Dataacule

Digitizing History in Molecules

**DATA
STORAGE**

**DATA
SECURITY**



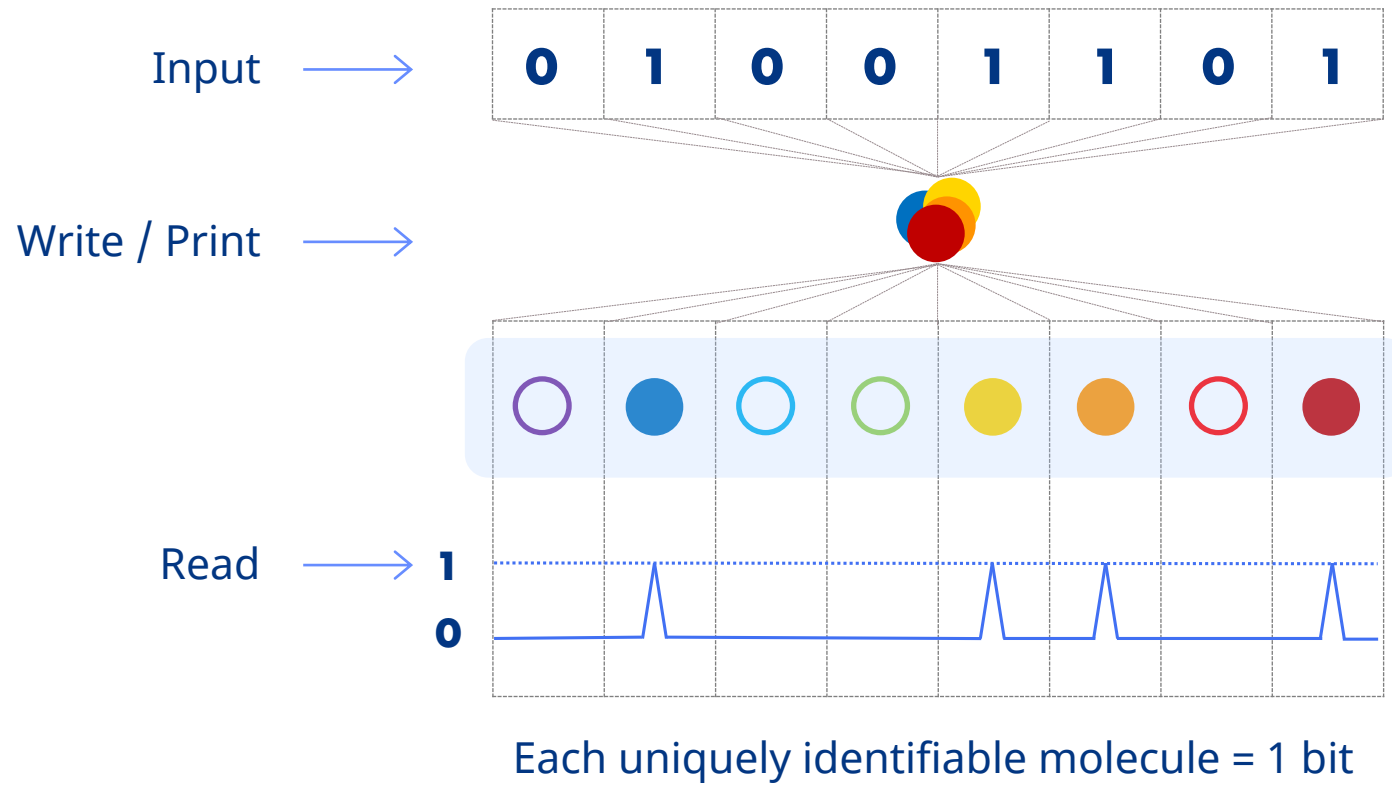
WE BELIEVE

That secure and green data storage should be accessible and affordable. So we created DataCule, the most **sustainable, secure,** and **inexpensive** archival data storage solution. Our platform combines AI, chemistry, printing and optics to deliver a future-proofed solution for the explosive data growth of today and tomorrow. We empower customers to **safeguard their most valued and competitive asset** for generations to come.





The **Datacule** Solution



A **sustainable and secure** information storage and management solution

PLATFORM ELEMENTS

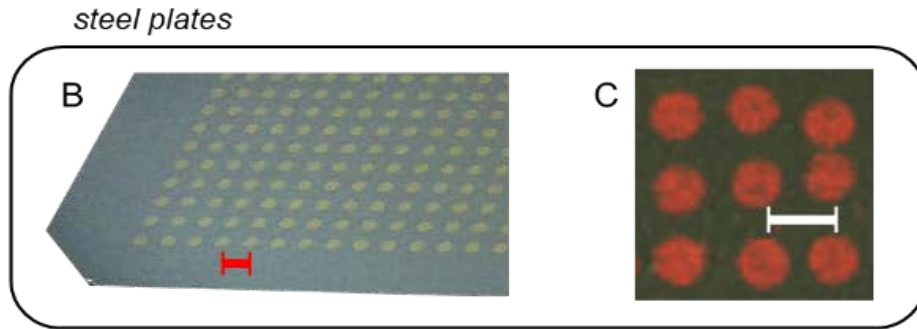
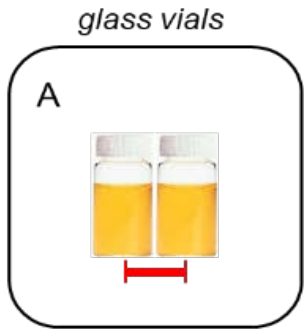


SPECIAL FEATURES

- 1 Data encoded in Datacules designed for longevity
- 2 Once written, data is immutable
- 3 Air-gapped and zero power storage. Minimal cooling
- 4 Machine-assisted multiplex reading

Where it started

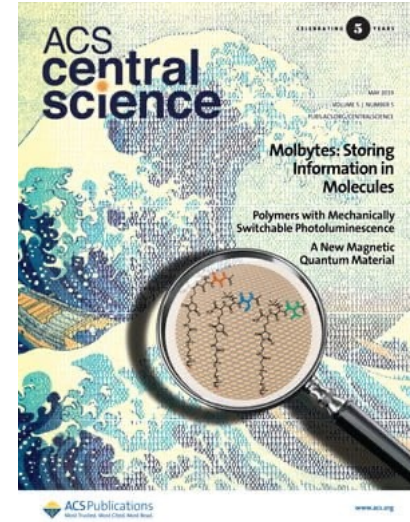
Mass spec.



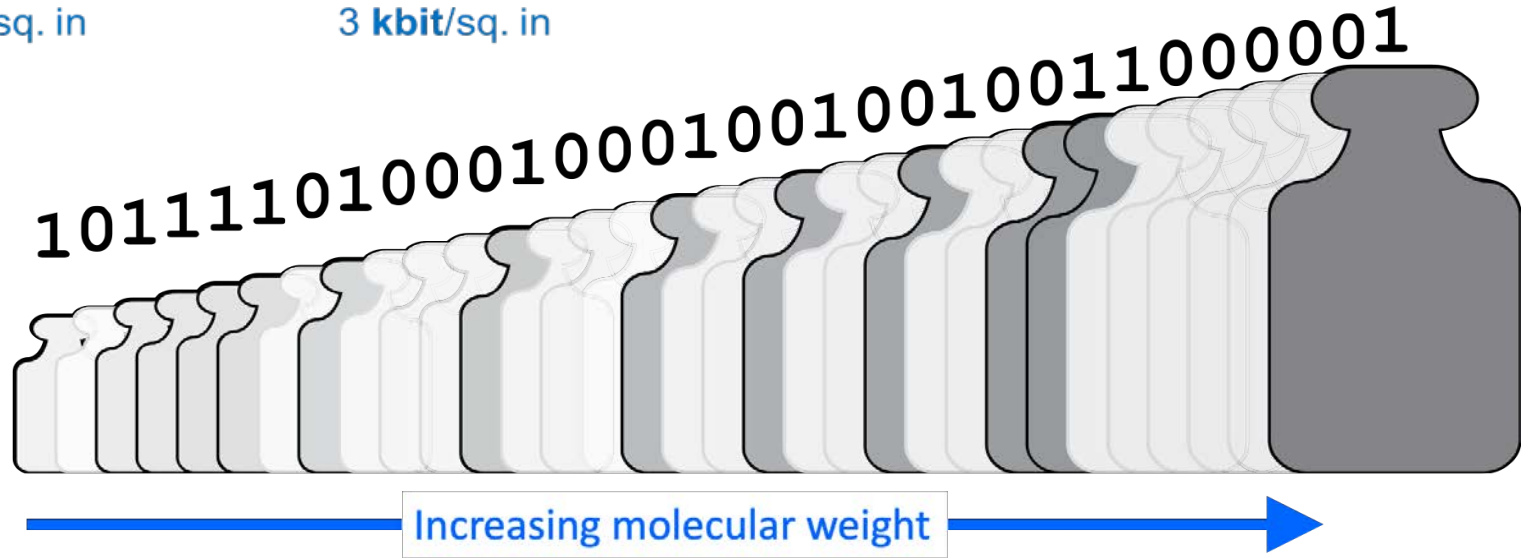
grid spacing ↓ 25,000 μm
density ↑ 93 bit/sq. in

2,500 μm
3 kbit/sq. in

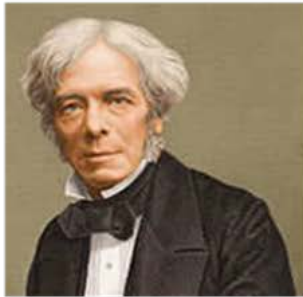
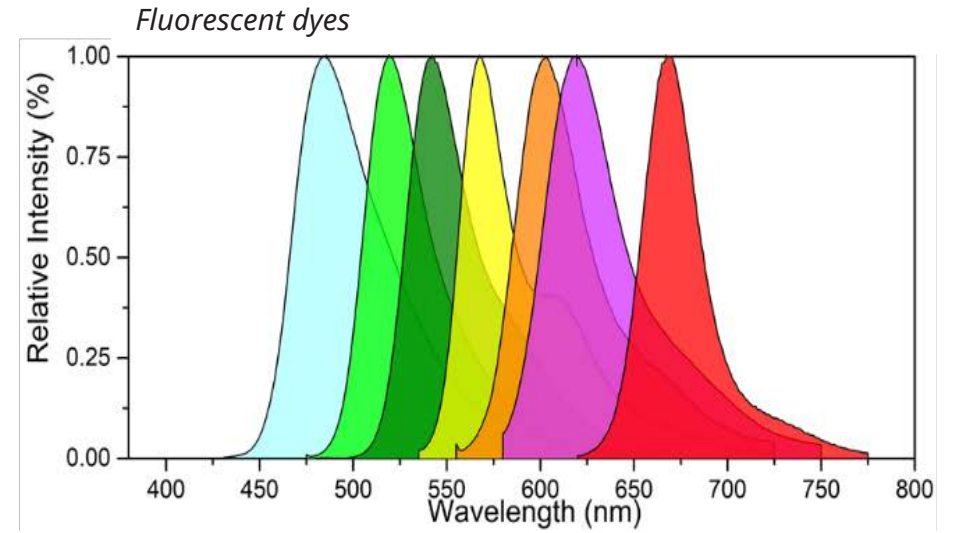
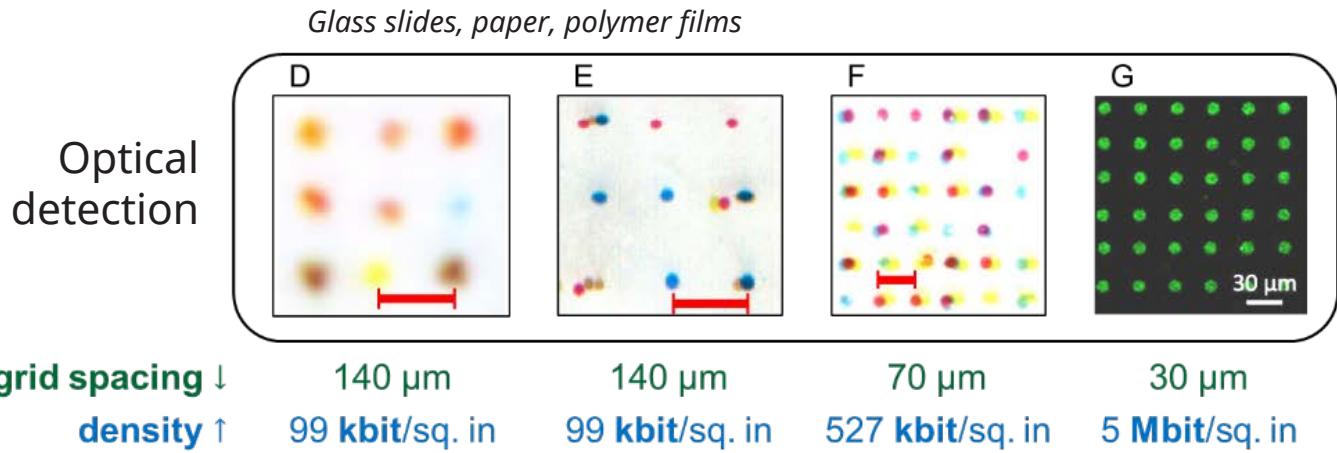
625 μm
3 kbit/sq. in



Peptides



Where it started



3.95 kB



61 kB

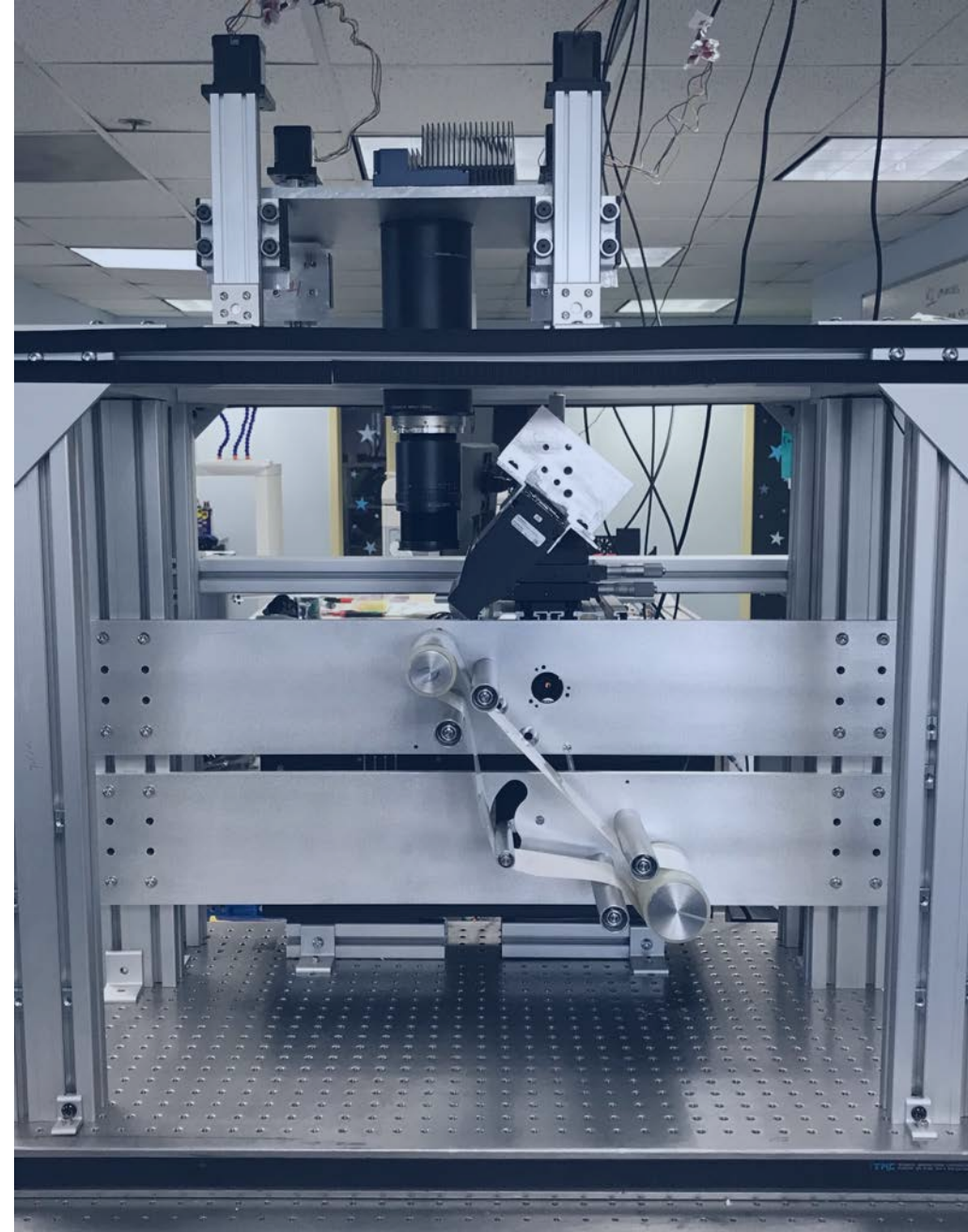


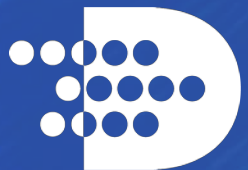
237 kB

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ARLINGTON

First end-to-end data storage demonstration with continuous reading.





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