

DATA STORAGE USING PEPTIDE SEQUENCES

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In response to the huge amount of digital generated today, a novel method is developed by using peptide sequences to store data and retrieving it via tandem mass spectrometry. Compared with existing commercial data storage devices and other developing technologies such as DNA data storage, peptides offer a much higher storage density and longer storage duration. Combining proteomics and data storage technology, this innovation has the potential to transform the data storage industry, including to be deployed in space mission!

NOVEL FEATURES

- * Allows for high data storage density with limited minimal space requirement
- * Long durability for data storage - with peptide still being viable for sequencing even after millions of years

