Raytheon BBN Technologies leads a wide range of R&D project that advance the US national interests.

Team expertise:
Boulat Bash: information theory and coding
Jacob Beal: synthetic biology
Daniel Ellard: operating and distributed systems

Raytheon BBN Technology has proven record in:
• Synthetic biology
  – SBOL standard
• Large-scale system design and integration
  – GENI
  – Curveball
• Collaborations with university and industry partners

Scalable Molecular Storage Architecture:
• Requirements for data warehousing in many use cases has met and exceeded exabyte scaling
• Research shows that sequence-controlled polymers (e.g., DNA) offer a possibility of compact, low-power, and inexpensive solutions for storing data at this scale
• However, to our knowledge, current polymer storage demos are limited to 10s of MBs
 ➢ Lack of architecture

• Raytheon BBN Technologies seeks to rectify this by bridging the gap between hardware, wetware, and software.

BBN seeks partners who believe in importance of integrated scalable architecture for molecular storage. We would especially welcome wetware and bioengineering experts.

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