The continued increase in time and cost for drug discovery could be the result of:

- Diminishing returns on investment
- Oversimplified discovery assays
- Human error
- FDA tightens regulations perhaps relaxes on HIV drugs
- PDUFA regulations and FDA clears backlog following
- Increase in ‘orphans’
- New drug per $1 billion R&D (log scale)*
- Biological complexity.

Drug discovery data management is challenging and time-consuming.

- Top reasons why earlier experiments are hard to improve:
  1. Data not stored or accessible centrally
  2. Difficult to share/access insights and learnings with peers
  3. Upon earlier experiments
  4. Data accuracy
  5. Lack of confidence in data accuracy

Insufficient data clarity inhibits building upon earlier experiments.

Drug discovery workflows require numerous tools to handle data.

- Literature search and data management
- Literature search and data management issues
- Data visualisation tools
- Data sourcing tools
- AI/ML tool

There is a precious commodity, are you using yours effectively?

Additional references:

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