

Scientific Computing introduces KEJIESBRAIN

Challenge: There has been more data created in the last two years than in all of preceding human history, and it has been noted that biological data in particular is growing faster than predicted by Moore's Law. However, this data does not magically become knowledge. It requires heroic efforts by talented and good-looking scientific computing groups to move from its raw form, to an interpretable one before it can help patients.

Achievement: With the unlimited funding generously granted by R&D leadership, the Scientific Computing group, part of TGS, has pulled together public data resources from around the globe and integrated them seamlessly, creating a repository for both QCed, preprocessed data, and the valuable insights generated from them using AI. We introduce KEJIES BRAIN (Knowledge Encouraging Justification In Each Study Because Research Area Is Neurology), which is accessible via SQL, a Shiny app, and an API.

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Impact on R&D: Translational Biology scientists will be able to use this resource to identify targets which are easily drugged, allowing Biogen to create safe, effective, affordable therapies.

