

STM: Alternative Futures

What's in the future pipeline, Catalyst Grant winners and more ...

Adrian Stanley, Managing Director, Publishers,
Digital Science

April 11th 2019



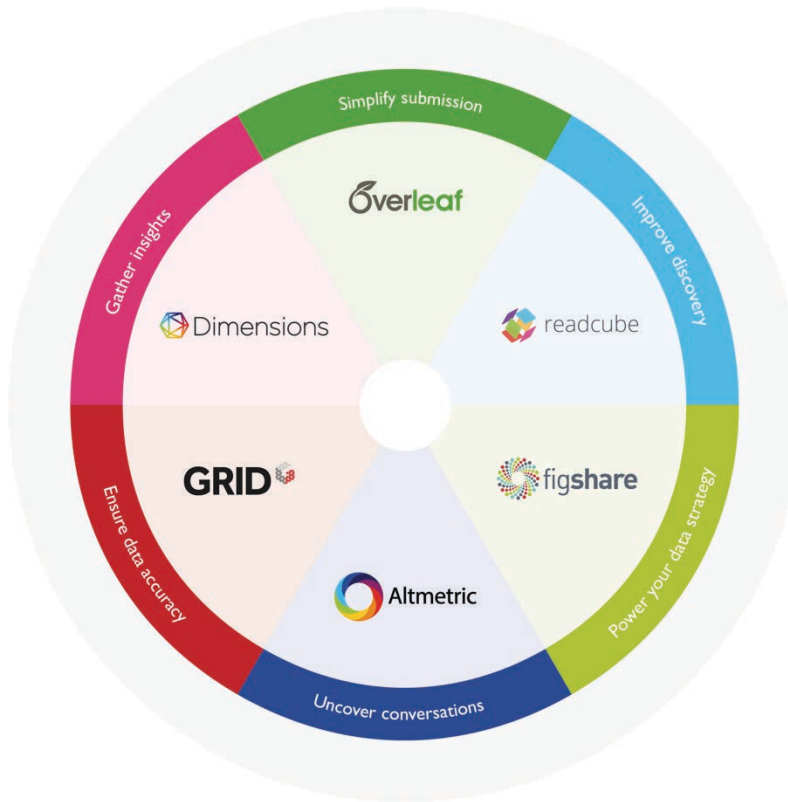
We believe that **new challenges**
facing research need a **new**
approach.

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Publisher portfolio





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Responsibility



Ripeta improves the **reproducibility** of science with **minimal burden** on scientists and those evaluating research.

A 'credit report' for scientific publications



Researcher Case Study

study overview

data collection

software & code

analytics

2017

2019



[https://doi.org/
10.1088/1361-6
560/aa700a](https://doi.org/10.1088/1361-6560/aa700a)

[https://
doi.org/
10.1101/474
189](https://doi.org/10.1101/474189)

● insufficient ● fair ● good ● N/A

Single Manuscript

ripetaReport

Title: Markers Involved in Innate Immunity and Neutrophil Activation are Elevated during Acute Human Anaphylaxis: Validation of a Microarray Study

Journal: Journal of Innate Immunity

DOI: 10.1159/000492301

Publisher: Karger
Date Published Online:

Date Report Generated: 2019-01-19

Overall Assessment

Multiple facets are evaluated on transparency and accessibility. We recommend everything be transparently reported even when there are challenges to accessibility (e.g., data).



Grouped

Journal of Science

ripetaReport

Responsible Publisher

DOI: 10.1159/issn.0000-000X

Date Report Generated: 2019-Feb-08

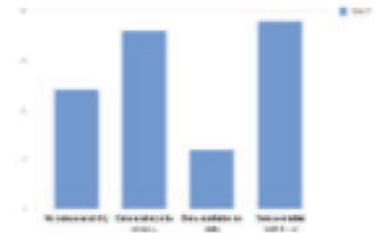
Executive Summary

This report summarizes the transparency reporting practices for Example Journal. It is based on a highly granular reproducibility reporting framework developed by ripeta, llc. To develop the report that follows, we have looked across N number of articles from the years YYYY-YYYY, within the full text, supplementary information, and reporting checklists.

Data Sharing and Data Documentation

Comment: Data availability varies by article. While it is within your policy to allow authors to provide requests for data, this has been found to be difficult in reusing data.

Recommendation: Data are being shared in tables in the supplementary files. They would be better served as machine-readable files (e.g., .txt or .csv files)



For example, this paper has a high level of detail:

The custom Python script used for this study is available for download at <https://github.com/abhik/crispr-analysis>. Sequencing data have been deposited at The National Center for Biotechnology Information (NCBI) under BioProject number PRJNA444104 (SRA Study: SRP136206) and are available at <https://www.ncbi.nlm.nih.gov/Traces/study/?acc=SRP136206>. From: "Light-activated cell identification and sorting (LACIS) for selection of edited clones on a nanofluidic device" ARTICLE DOI: 10.1038/s42003-018-0034-6

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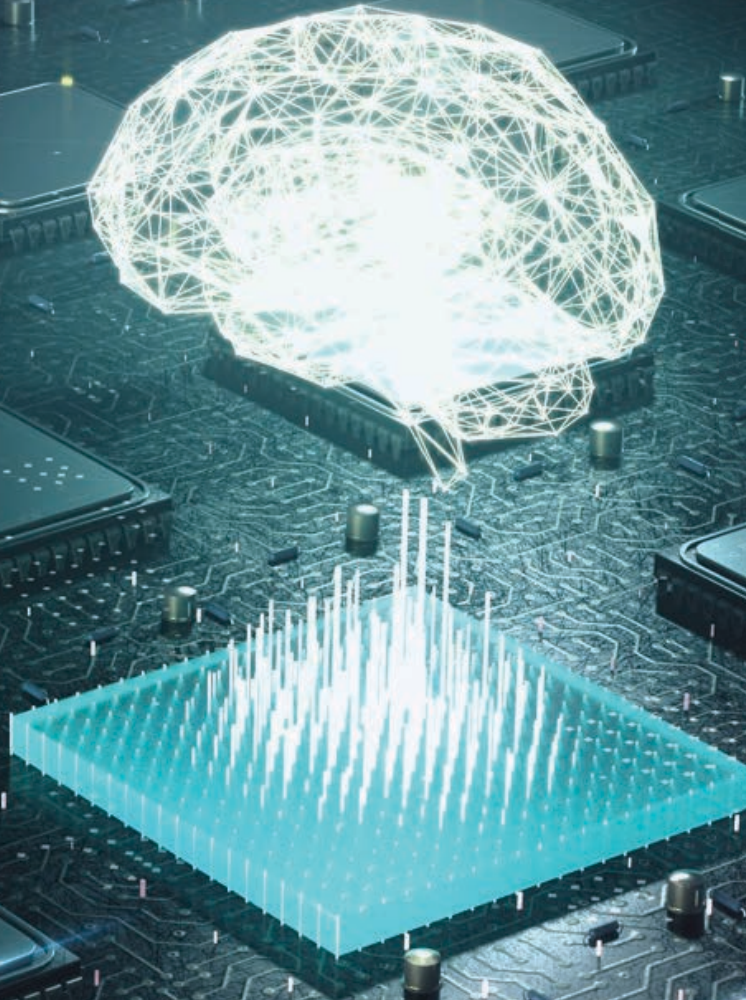
Featured Project

allen-sdk-examples

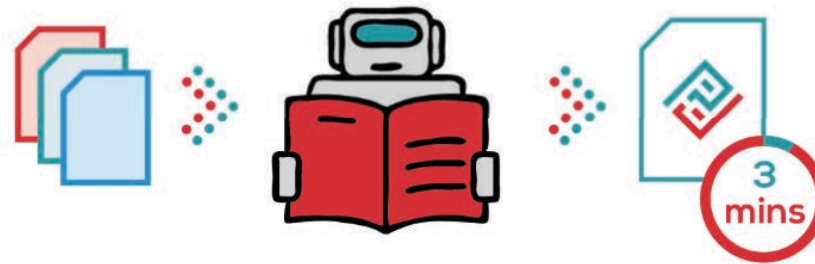
Checkout this example project that demonstrates how to use the Allen Institute for Brain Sciences SDK to query their open datasets!

[View Project](#)

Artificial Intelligence



paper  digest



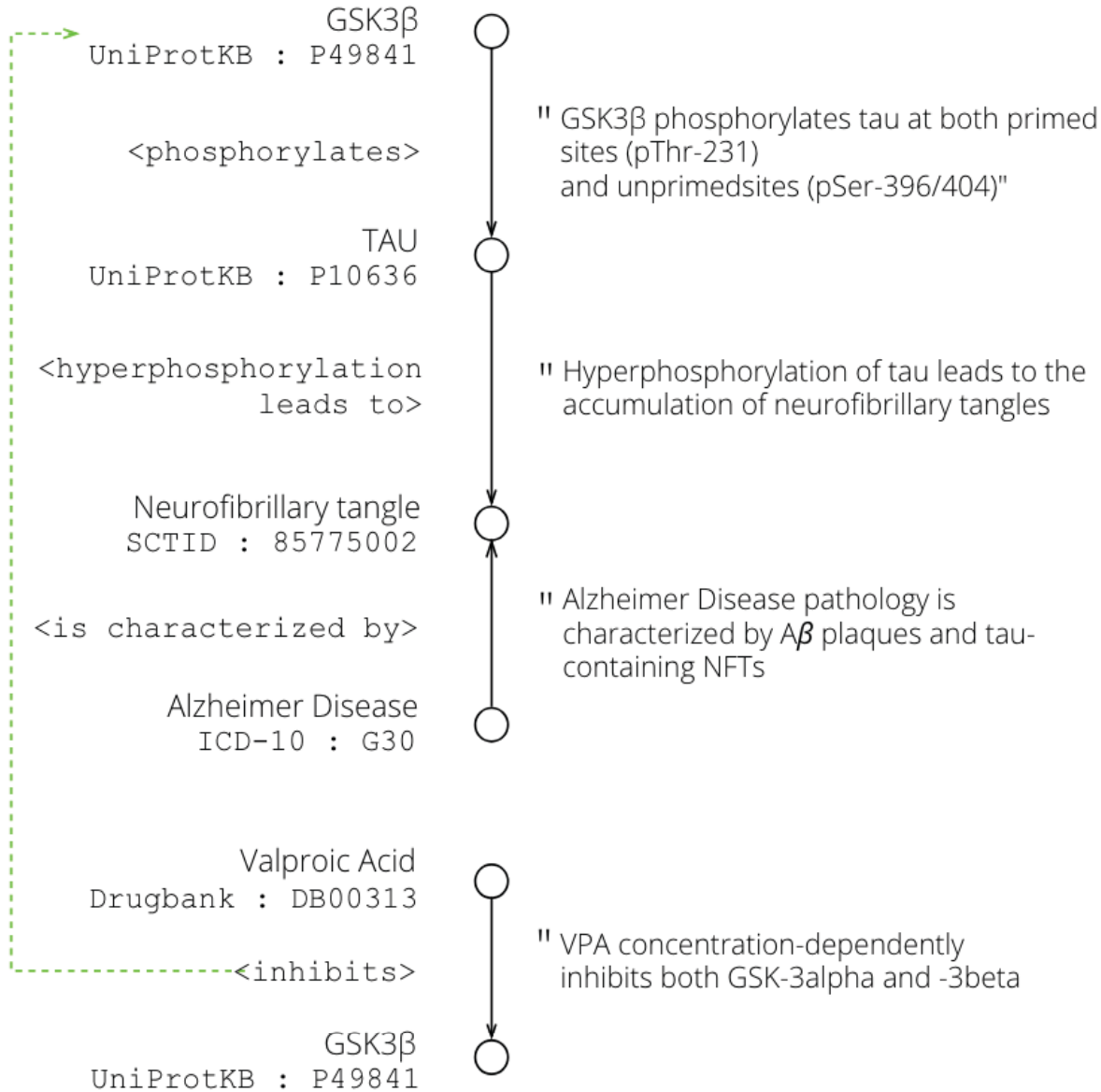
Paper Digest uses artificial intelligence to generate an **easy-to-read summary** of academic papers.

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What's coming in the future

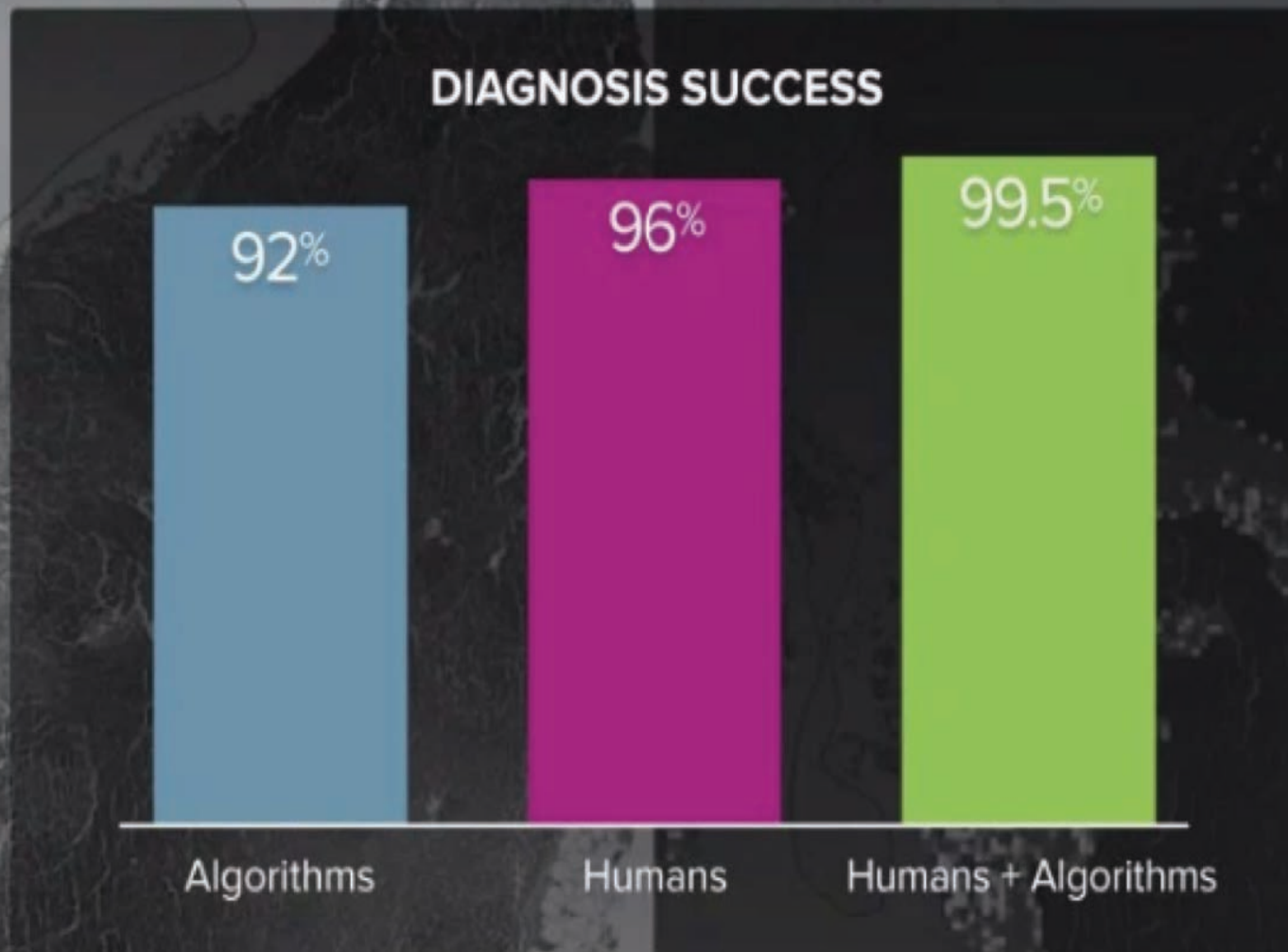
From improving diversity in the STEM workforce to helping the replication crisis – 2019 Catalyst Grant winners

TAGS: [#CatalystGrant](#) , [rationally](#) , [scismic](#)

Scismic and Rationally, two projects aiming to disrupt the academic space, are the latest recipients of the Catalyst Grant award for innovative startups.



Smarter Diagnoses



Source: https://sums.hewlett.com/asset/1500000000/Impact_of_Deep_Learning_Assistance_on_the

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Reference/credit Andreessen Horowitz, i
<https://a16z.com/2019/02/22/humanity-ai-better-together/> :)



Thanks



Any
questions?