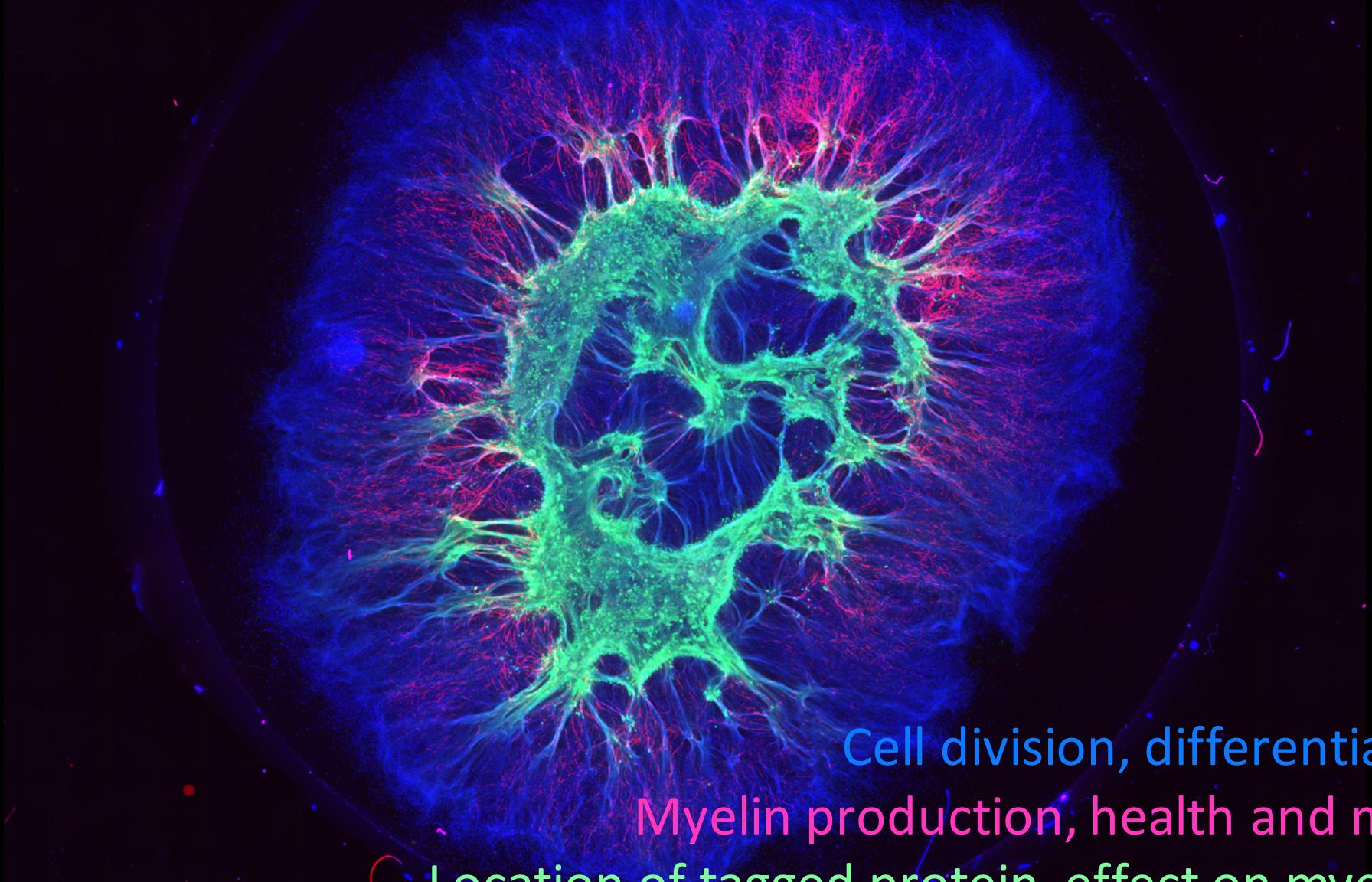


Hello from the world of Science!



@dcrobins

Hello from the world of Science!

A fluorescence microscopy image showing a cell with a complex network of processes. The cell body is stained green, while its processes are stained red. Nuclei are stained blue. The background is dark, indicating a low-light environment.

Cell division, differentiation, health
Myelin production, health and maintenance
Location of tagged protein, effect on myelin and cells

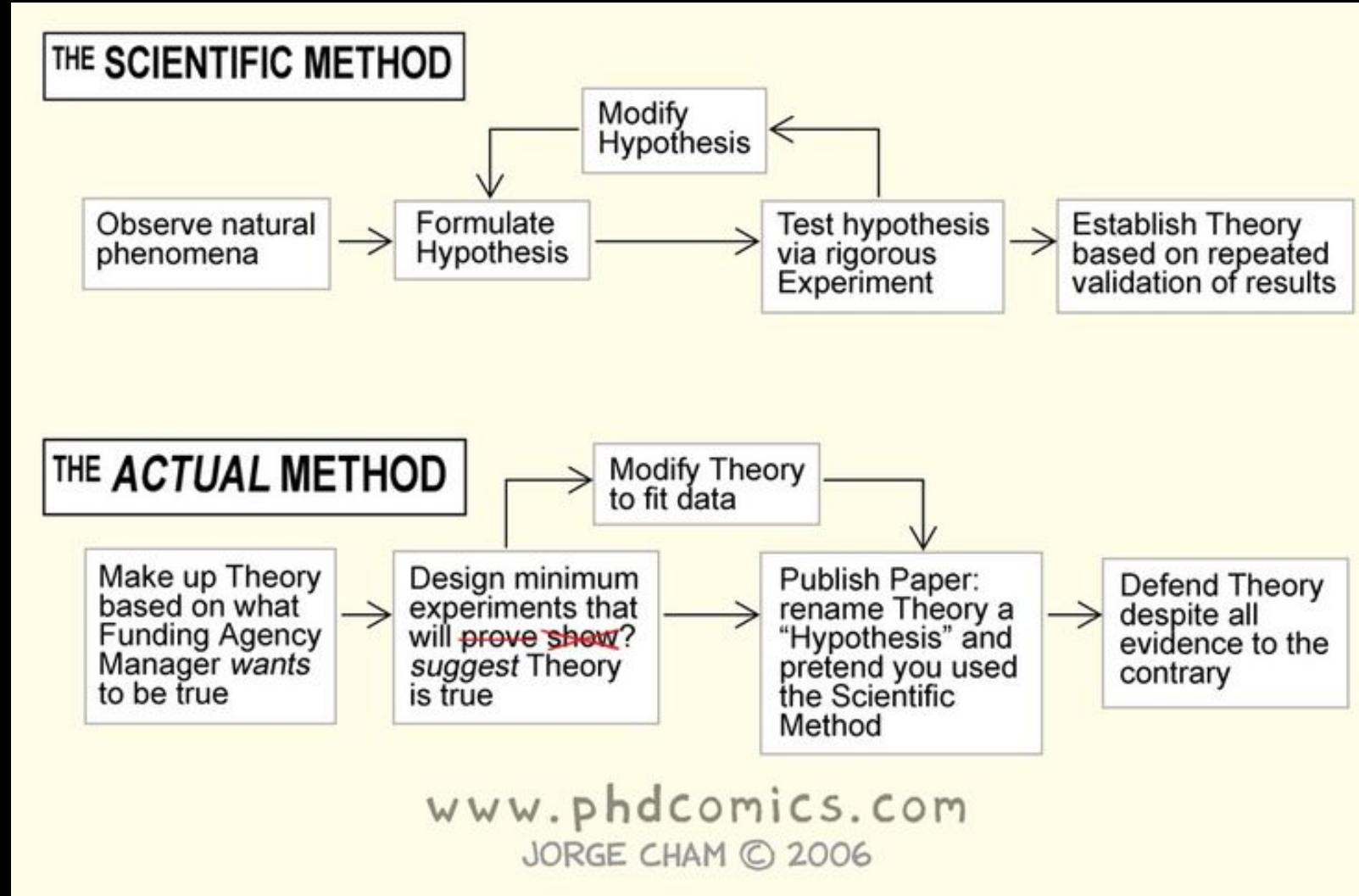
The Open Revolution in Science (and why it needs you)

Let's talk about data

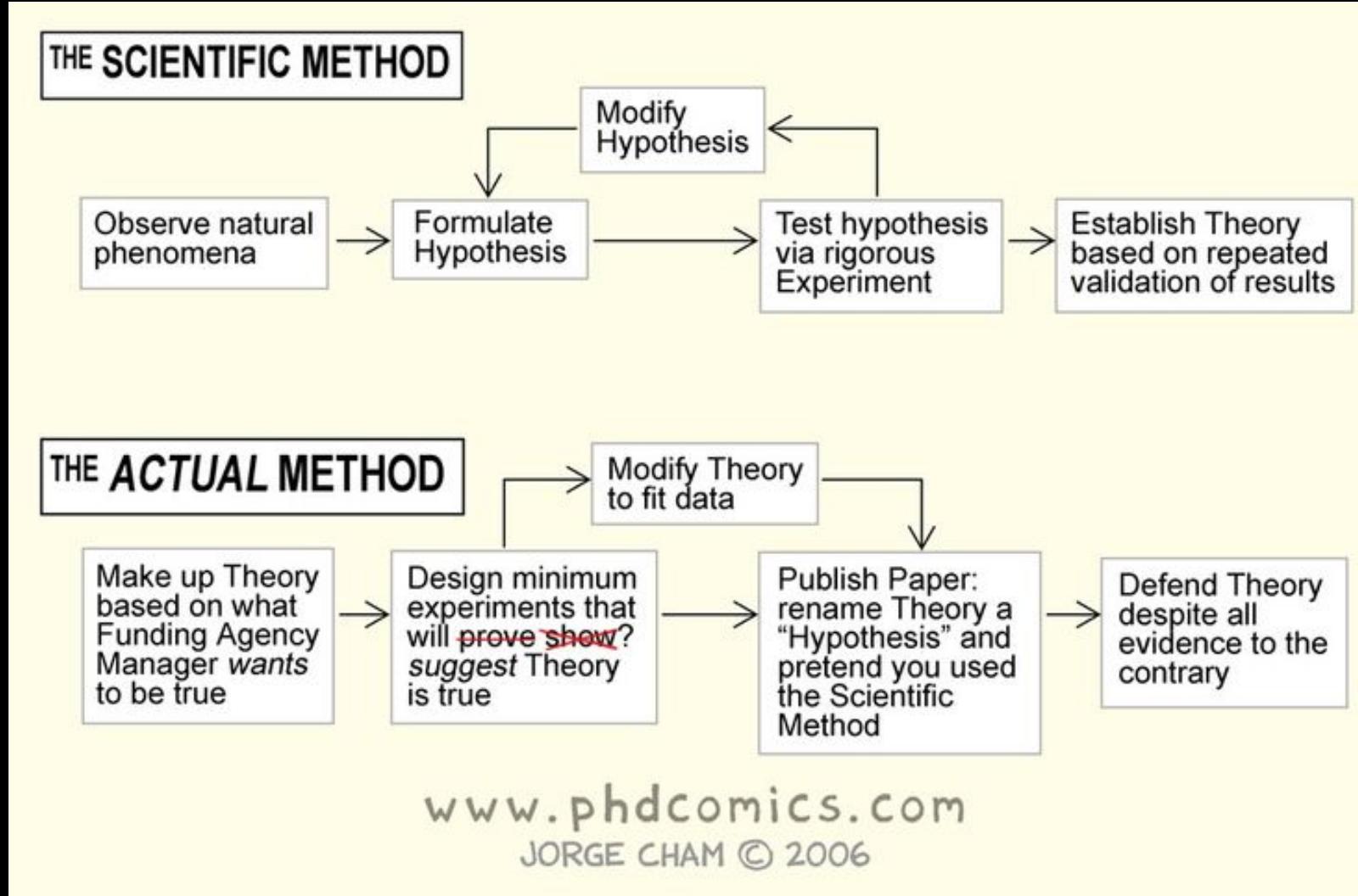
The best and worst times for science

- We have better tools {cool science stuff}
- pace of innovation is accelerating,
- we are undeniably producing more data than ever before.
- But what's happening to a lot of that data is pretty archaic.
 - {hard drive in desk drawers}
 - Closed access publications

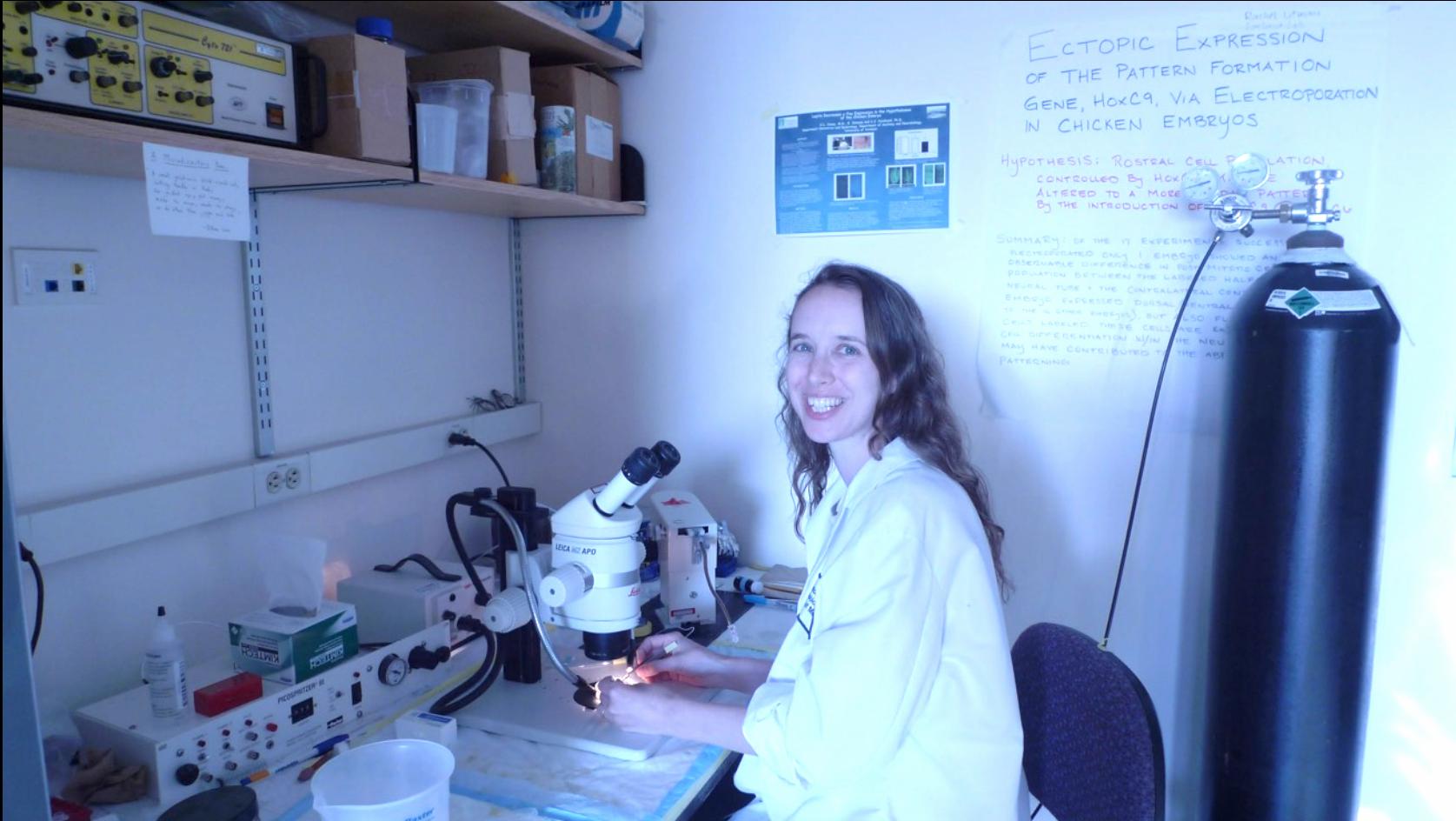
The best and worst times for science



What does this system incentivize?



Q: How does science happen today?



Me in my first lab job!



... but we only have 5 min left, so let's focus on data

Amy Wibowo
@sailorhg

What happens to data generated by publically funded scientific research?

- A: Hopefully it goes in a publication, hopefully it's not in a drawer!
But there are no rules...

Q: Cool, can I see the data or read the paper?

- A: If you can pay for it

The screenshot shows a journal article page from WIREs Systems Biology and Medicine. The article is titled "Subdiffractive microscopy: techniques, applications, and challenges" by Brian R. Long, Danielle C. Robinson, and Haining Zhong. It was published in Volume 6, Issue 2, pages 151–168, March/April 2014. The page includes a search bar, article tools (Get PDF, Save to My Profile, etc.), and sharing options. A red box highlights the "Purchase Instant Access" section, which offers three options: Rent (\$6 USD for 48 hours), Cloud (\$15 USD), and PDF (\$38 USD). Each option includes checkboxes for Read, Print, and Save. Below the options, a note states: "Only available in ReadCube web reader, desktop app and mobile apps".

WIREs
SYSTEMS BIOLOGY AND MEDICINE

Advanced Review

Subdiffractive microscopy: techniques, applications, and challenges

Brian R. Long^{†*}, Danielle C. Robinson
and Haining Zhong^{*}

Issue

Version of Record online: 17 JAN 2014
DOI: 10.1002/wsbm.1259
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Wiley Interdisciplinary Reviews: Systems Biology and Medicine

Volume 6, Issue 2, pages 151–168, March/April 2014

Am score 1

Additional Information (Show All)

How to Cite | Author Information | Publication History

Abstract Article References Cited By

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Q: Cool, can I see the data or read the paper?

- A: I oversimplified...But even with this headline data will NOT be open access immediately...

Quartz  Follow

Now anyone can access NASA-funded research



Now anyone can access NASA-funded research

NASA has a new gift for space junkies. The US space agency has announced that it will be archiving research data at a web portal open to the public. Beginning this...

qz.com

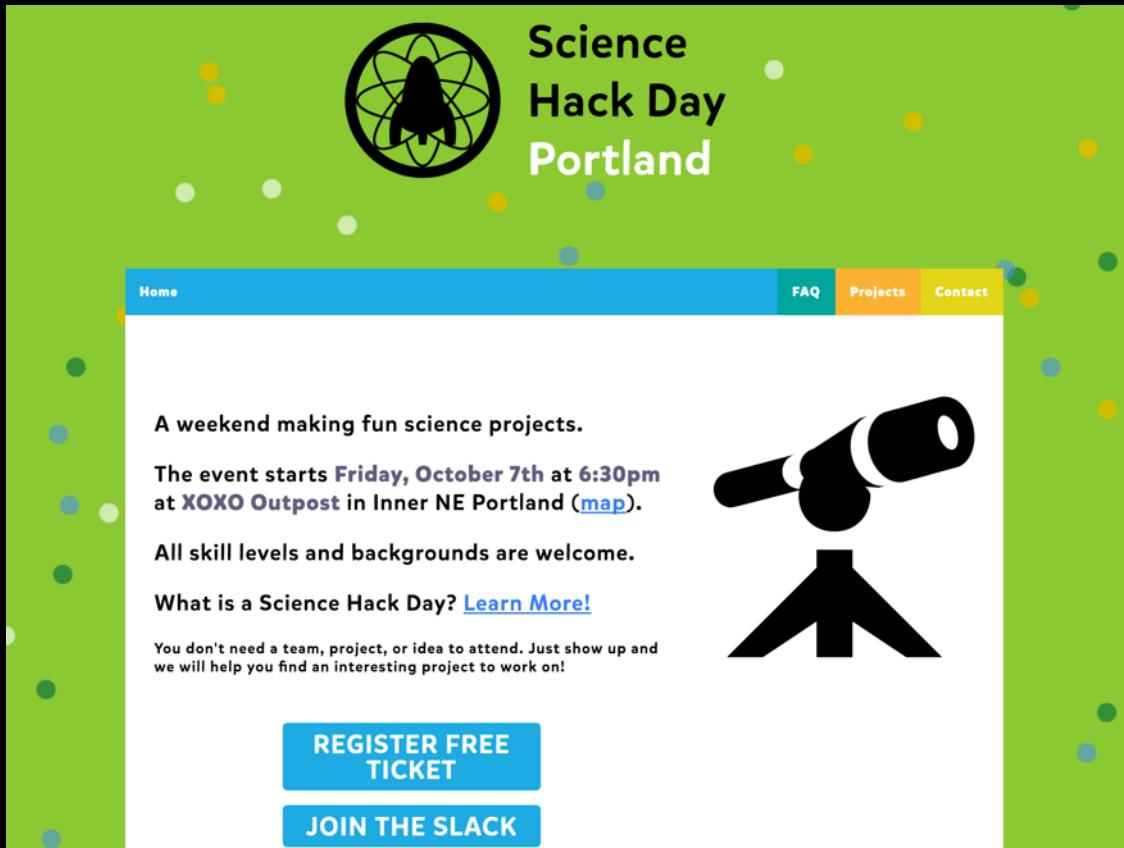
The Open Revolution in Science

- Open Access <- read the article for free
- Open Data <- see, reuse the data that informed the author's conclusions
- Open Science <- see how that data was collected and analyzed

The Open Revolution in Science Needs You

- Open Access <- read the article for free
Discuss access issues, express demand/interest
- Open Data <- see, reuse the data that informed the author's conclusions
Infrastructure, infrastructure, infrastructure
Use cases, power of data reuse, etc
- Open Science <- see how that data was collected and analyzed
Collaborate, learn from each other etc.....

Join scientists and make cool stuff (also, friends)



The screenshot shows the Science Hack Day Portland website. The header features a black rocket icon inside a circular atom-like symbol, with the text "Science Hack Day Portland". Below the header is a navigation bar with links for "Home", "FAQ", "Projects", and "Contact". The main content area has a green background with white dots. It contains text about the event being a weekend of fun science projects starting on Friday, October 7th at 6:30pm at XOXO Outpost in NE Portland, and a note that all skill levels are welcome. It also includes a link to learn more about what a Science Hack Day is. At the bottom are two blue buttons: "REGISTER FREE TICKET" and "JOIN THE SLACK".

@science_hackPDX



**Women in Science PDX Annual Mixer Networking Event
OMSI November 2nd, 2016 @wispdx**



@JessicaJoEllen

Negotiation and career development workshop for science and tech
Thursdays Sept. 22nd, Sept. 29th, and Oct. 6th from 6-8pm.

