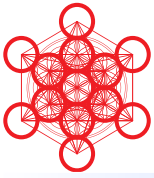


Catalyzing public-private partnerships

Breakthrough Biomedical Philanthropy May 2016

Douglas Freeman

The Kavli Foundation



The Kavli Foundation: Igniting and catalyzing ideas



The Kavli
Foundation



The Kavli Foundation



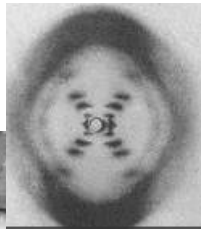
**Funding
Partners**

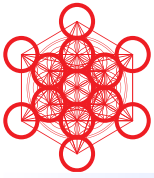
Federal Funding
Agencies

Private
Foundations
Industry &
Universities

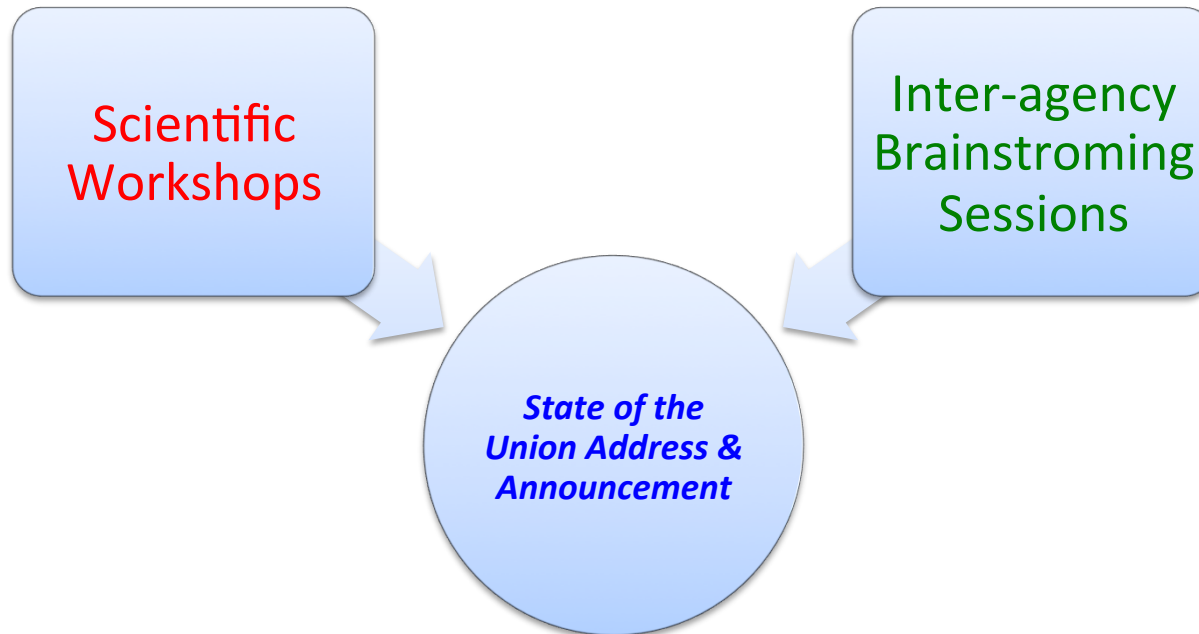
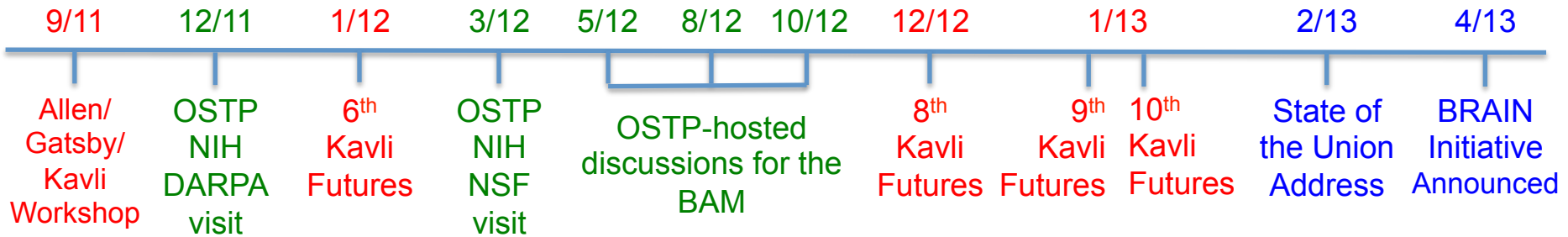


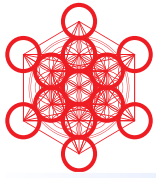
Eureka!



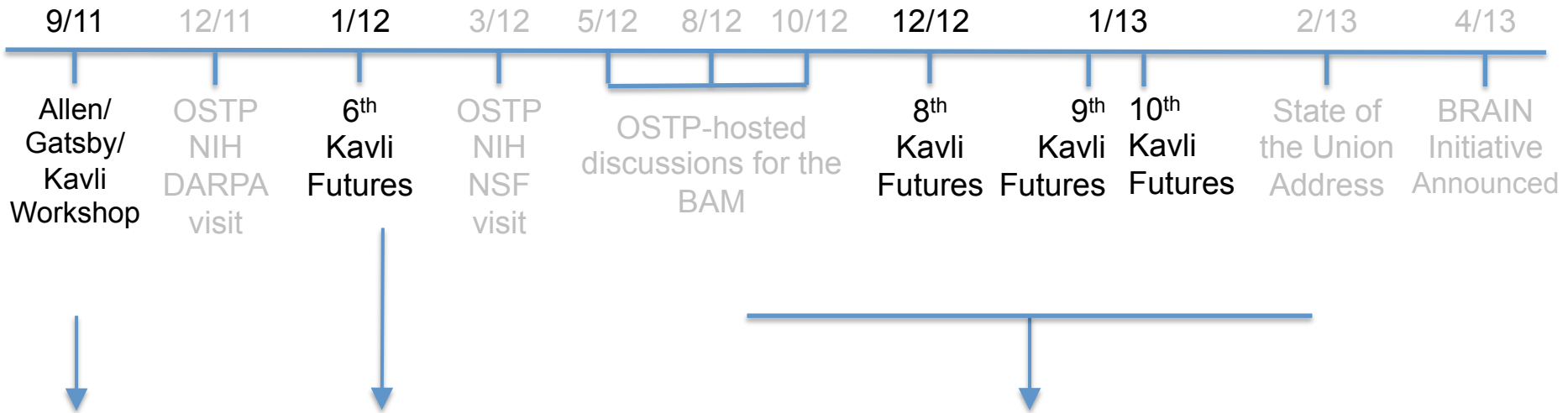


Development of the BRAIN Initiative





Scientific Workshops to develop BRAIN



Birth of BAM*:
White paper to
OSTP



**Neuron publishes
NeuroView article**

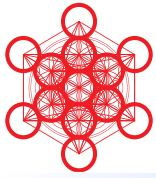


Science Perspective article:
BAM Definition

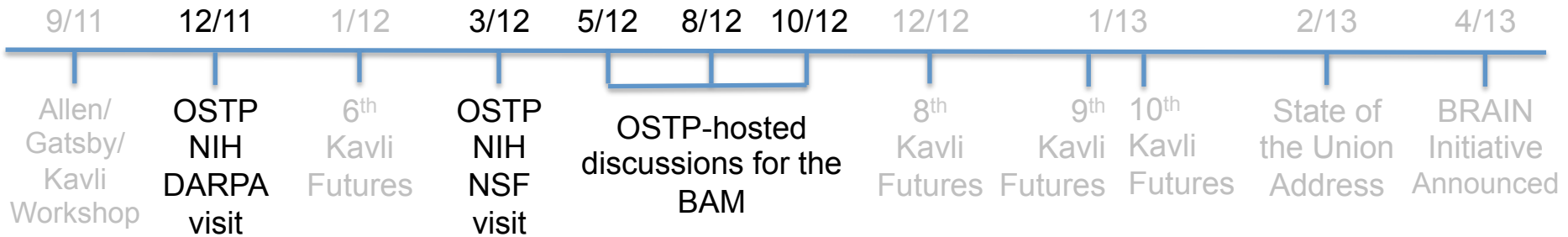


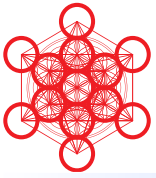
ACS Nano article:
BAM Tool dev.
road map

***BAM: Brain Activity Map**



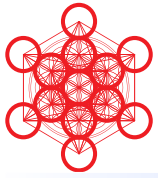
Inter-agency Brainstorming Meetings





Kavli BRAIN Coffee Hours





BRAIN Initiative Announcement (4/2013)

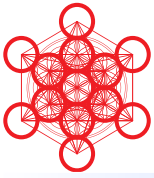


**“The next great
American project,
the BRAIN Initiative”**
(Brain Research through
Advancing
Innovative Neurotechnologies)



SIMONS FOUNDATION





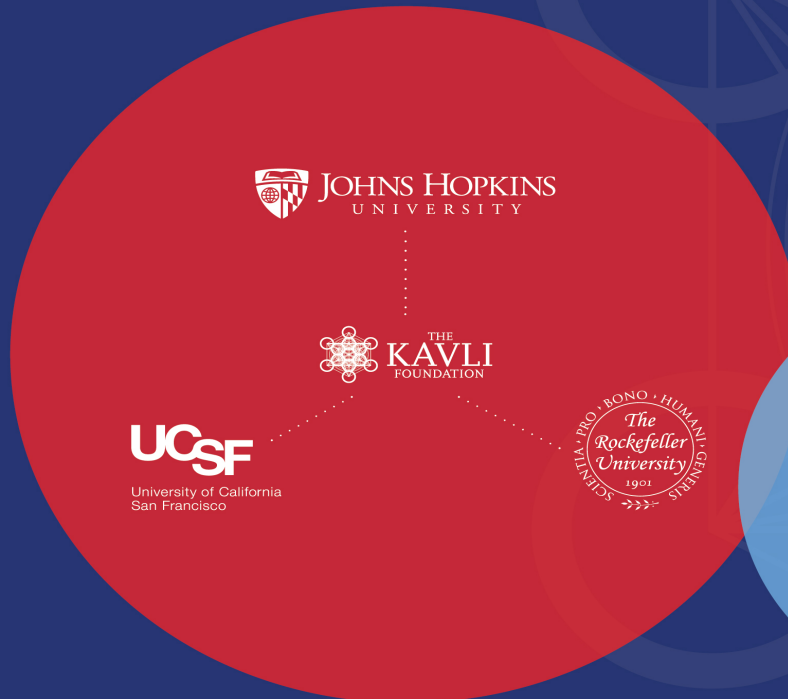
Kavli Funded BRAIN Projects

More Than \$100 Million in New Brain Research Funding

Supported by The Kavli Foundation and Partner Universities

New Kavli Institutes in Neuroscience

\$65 MILLION



Existing Kavli Institutes in Neuroscience

Domestic Commitments

\$30 MILLION

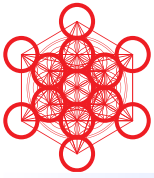


International Commitments

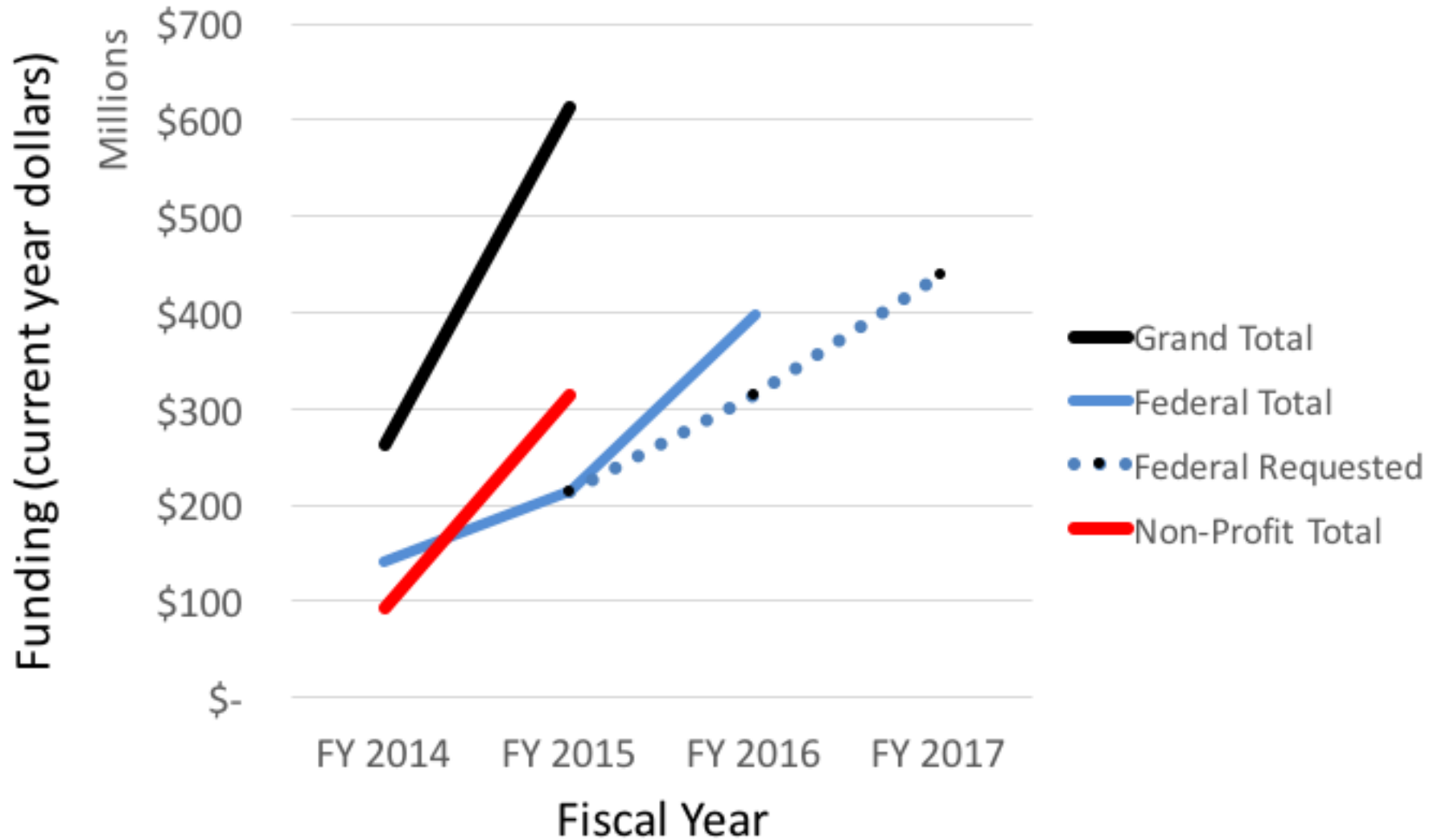
\$12 MILLION

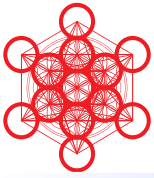


THE  KAVLI FOUNDATION



State of BRAIN Initiative





Neurodata Without Borders (NWB) Neurophysiology Pilot Project

- The challenge:
Neuroscience
speaks many
languages

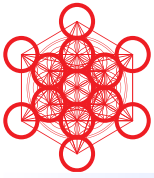


Tower of Babel

A single, standardized data format would

- Make data universally accessible
- Increase data sharing and collaboration
- Increase data transparency and reproducibility

The NWB pilot project has created a **unified data format for cellular neurophysiology data.**

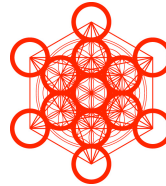


Neurodata Without Borders: Partners

<http://nwb.org>



ALLEN INSTITUTE *for*
BRAIN SCIENCE



THE
KAVLI
FOUNDATION



hhmi



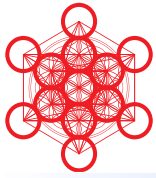
janelia
Research Campus



International Neuroinformatics
Coordinating Facility



Berkeley
UNIVERSITY OF CALIFORNIA



Development of the Microbiome Initiative

Dec 2014

Kavli Futures
Symposium

Jan 2015

Kavli Futures
Symposium II

April 2015

Kavli Futures
Symposium III

Sep 2015

Kavli Salon

Oct 2015

Dec 2015

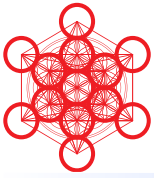


ACS NANO

Tools for the Microbiome: Nano and Beyond



nature
Create a global
microbiome effort



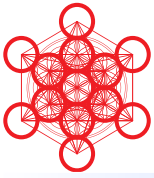
Kavli Microbiome Ideas Challenge



Kavli
microbiome
ideas challenge

ASM leading a partnership with ACS, APS, MRS

- New experimental tools for understanding microbiomes
- A partnership between The Kavli Foundation and
 - American Society for Microbiology
 - American Chemical Society
 - American Physical Society
 - Materials Research Society



Dedicated to advancing science for the benefit of humanity, promoting public understanding of scientific research, and supporting scientists and their work.