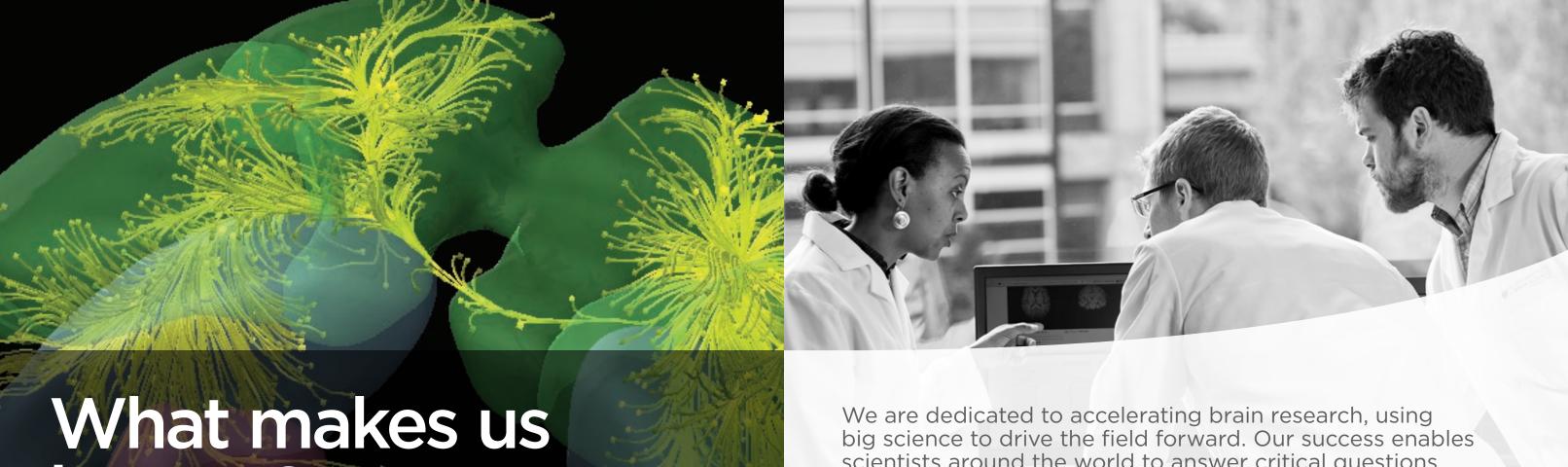
2012 ANNUAL REPORT

Using big science to answer big questions.





human?

The power of the human brain is unmatched by even today's most advanced computing technologies. Decoding the brain's mysteries is essential to understanding the human condition and to improving human health.

> Approved 10-year plan for expansion and new scientific initiatives, and received a new \$300M commitment from Paul G. Allen to support Phase I of the plan

Expanded scientific leadership and team with 14 Ph.D.-level scientists from Harvard, Stanford and other world-class

Published landmark study on the human brain in Nature

Generated ~1 petabyte of new data on the human brain, neural circuitry and brain development for its online public resources

Increased usage of the **Allen Brain Atlas resources** to nearly 900,000 visits from scientists more than

scientists around the world to answer critical questions about the development, structure, and function of the brain, and to use those answers to improve human health.

"The Allen Institute is transforming brain science around the world. In the last decade, the Institute has successfully tackled industrial delivering massive databases with an

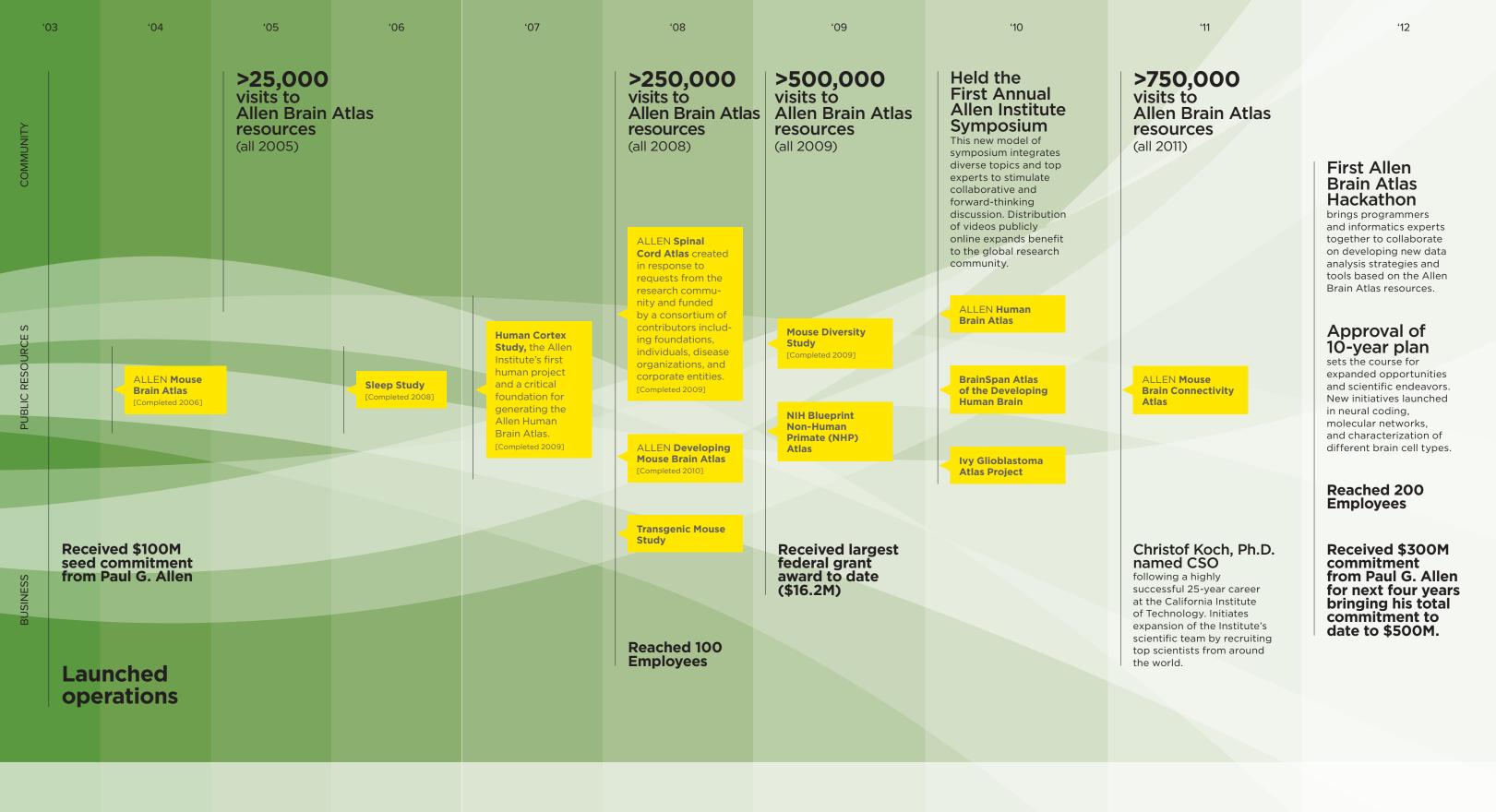
open public approach that thousands of scientists use to advance their research every day. I am excited to help the Institute build on these achievements and scale science projects, expand the scale and scope of its impact."



'In 2012, we turned our focus from our achievements to date to the opportunities that lie ahead. The launch of our ambitious 10-year plan sets us on a course to further transform brain research, both within our own walls and in collaboration with the global brain science community."



Paul G. Allen



Where do we begin?

Launched in 2003, the Allen Institute has forever changed the trajectory of brain research in less than 10 years. We intend to build on this successful foundation to catalyze breakthrough discoveries and accelerate knowledge acquisition in brain science in the years ahead.



Deciphering the complexity of the human brain is a tremendous challenge, one that cannot be solved by any single experiment or individual laboratory.

Our approach to brain research is as big as the challenge itself, combining our internal expertise and capabilities with global collaboration to enable problem solving among researchers around the world. We are innovating tools and techniques that can be used to generate. capture, analyze, and

share data on an unprecedented scale. Our commitment to making our innovations publicly available is a catalyst for advancing diverse areas of brain research. The whole of the knowledge base that is being built on the foundation of our work is greater than the

individual experiments that we enable. The ongoing financial support of our founder, Paul G. Allen, and leading grant organizations including the National Institutes of Health validates our big science approach and provides critical funding for making our impact even greater.

research challenges."

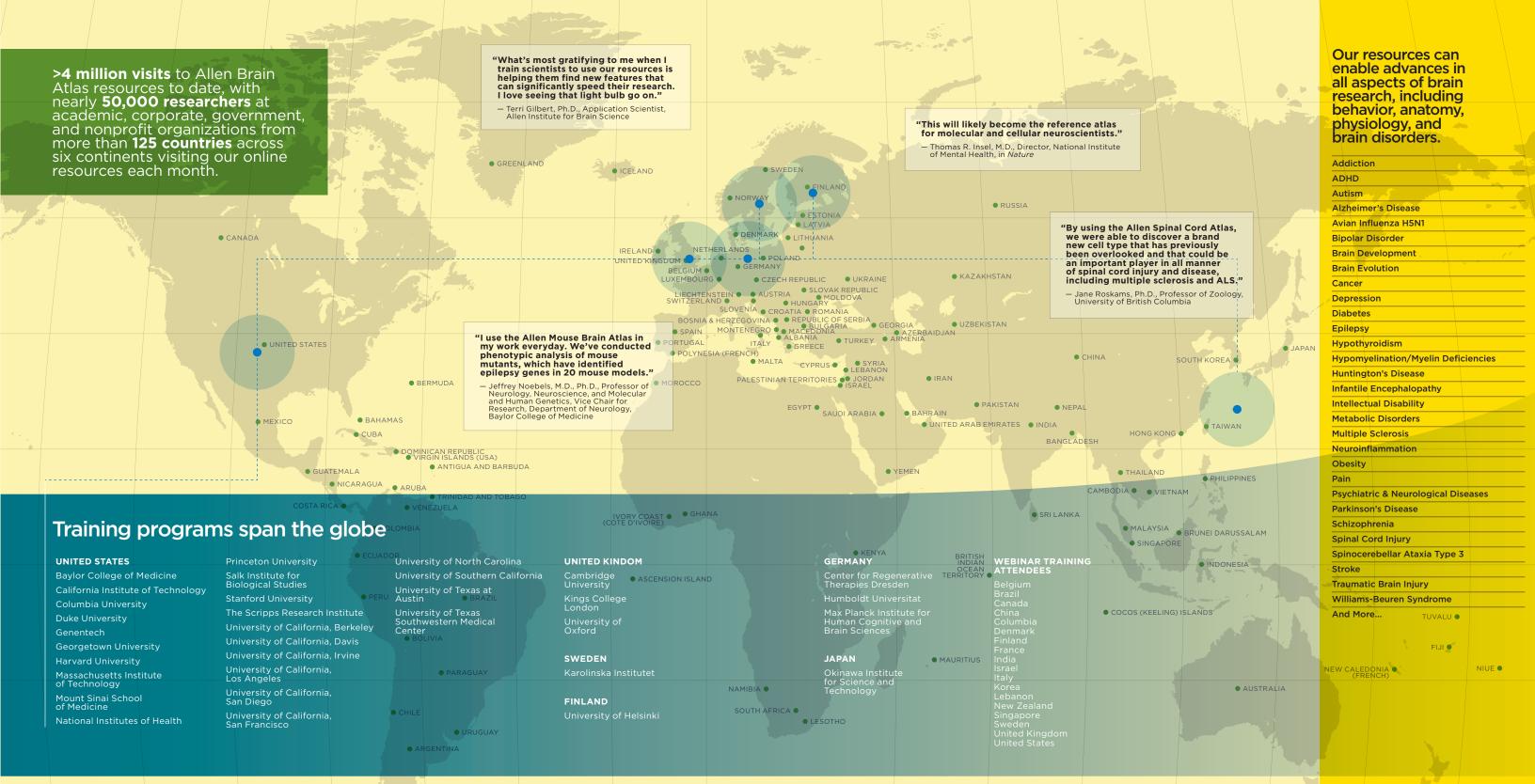
benchmark for open and collaborative science.

the world to ask and answer wholly new questions in brain science.

"Our structured approach to brain science differentiates us from conventional research organizations.



We pursue defined projects, setting goals and developing an execution plan to answer the most challenging questions in brain research."



Who benefits from our work?

Our publicly available resources have a truly global impact on brain research. Around the world and across multiple disease areas, our data and tools make a difference. And we are leading the charge to gather, analyze, and share brain research data on a massive scale.

NEW ZEALAND

In 2012 alone, we generated nearly one petabyte (PB) (1,000 terabytes) of data — that is the equivalent of 60,000 HD movies. Since 2005, we have generated 230 million human microarray data points, and generated and processed more than 2PB of data. An end-to-end stack of the slides containing the nearly 2 million tissue sections that we have collected to date would span 42 miles. The combined thickness of the tissue sections collected in 2012 alone is 30.9 feet — just slightly below the average length of a Tyrannosaurus rex.

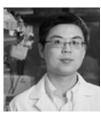
Where do we go from here? Our initial achievements have allowed us to attract an exceptional roster of scientific leaders in a variety of disciplines. Combined with the In 2012 we implemented Our ongoing commitment new \$300 million a 10-year plan that will to innovating cutting-edge expand the scale of our commitment from our technologies and sharing founder, Paul G. Allen, efforts, the scope of our our unique resources impact, and our physical and financial support with the global scientific infrastructure. In 2013 we from federal funding community should enable agencies and other expect to break ground wholly new endeavors granting institutions, on a new building that in brain science. We look we have the critical will consolidate all of our forward to answering intellectual and capital personnel into a single important questions, and resources we need for space that will enhance to asking even bigger ones. success in our second our multi-disciplinary decade. approach to brain research How does the brain drive physiology and behavior? What drives neural What roles do different development and disease neural components play in health and disease? processes?

Our top-notch scientific team works collaboratively to answer the most complex questions in brain research



The Rockefeller University





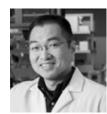
Vanderhilt University





Coding Cell Types





Kenii Mizuseki, M.D., Ph.D.





'The Allen Institute offers an absolutely unique opportunity to do something on a scale and with a ruthless focus unheard of in a traditional research setting. The opportunity to participate in such a transformative effort drives world-class scientists to ioin our organization.'

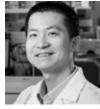




Saskia de Vries, Ph.D.







Chaoyang Ye, Ph.D. Jniversity of Pennsylvania Program Area: Molecular



In 2012 we welcomed 14 world-class scientists to our team

Financial Information

Allen Institute for Brain Science Summary Balance Sheets

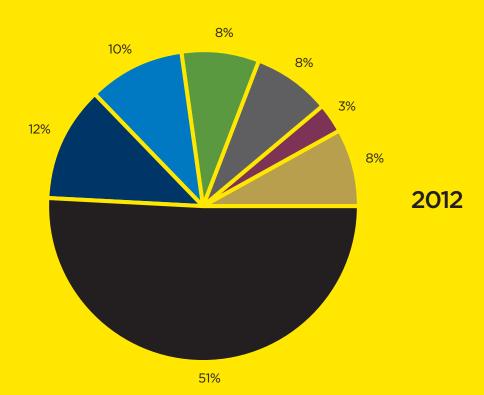
| Summary Balance Sneets | Year Ended December 31, | |
|----------------------------------|-------------------------|-----------|
| (in thousands) | 2012 | 2011 |
| Current Assets | | |
| Cash and cash equivalents | \$ 18,267 | \$ 55,115 |
| Restricted cash | 573 | 212 |
| Federal grants receivable | 1,217 | 406 |
| Pledges receivable | 47,000 | 100 |
| Other current assets | 2,219 | 2,131 |
| Total current assets | 69,276 | 57,964 |
| Restricted cash | 1,082 | 1,073 |
| Other non-current assets | | 400 |
| Property and equipment,net | 11,110 | 10,562 |
| Total assets | \$ 81,468 | \$ 69,999 |
| Current Liabilities | | |
| Accounts payable | \$ 2,758 | \$ 1,580 |
| Accrued expenses | 1,479 | 1, 211 |
| Total liabilities | 4,237 | 2,791 |
| Net Assets | | |
| Unrestricted | 75,521 | 14,023 |
| Temporarily restricted | 1,710 | 53,185 |
| Total net assets | 77,231 | 67,208 |
| Total liabilities and net assets | \$ 81,468 | \$ 69,999 |

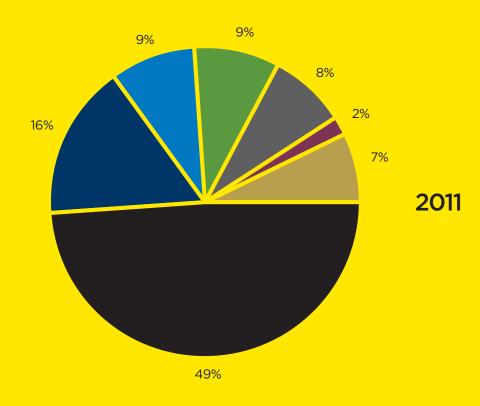
Allen Institute for Brain Science Summary Income Statements

| | Year End | led December 31, |
|---------------------------|-----------|------------------|
| (in thousands) | 2012 | 2011 |
| Support and Revenue | | |
| Contributions | \$ 47,000 | \$ 70,400 |
| Federal and other grants | 4,888 | 9,732 |
| Other revenue | 195 | 248 |
| Total support and revenue | 52,083 | 80,380 |
| Expenses | | |
| Program services | 35,303 | 28,942 |
| Management and general | 6,757 | 5,671 |
| Total expenses | 42,060 | 34,613 |
| Change in net assets | \$ 10,023 | \$ 45,767 |

Expense Distribution









How do we enable others?

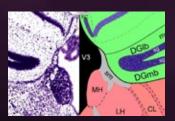
Our goundbreaking discoveries and research tools provide brain researchers around the world with truly innovative ways to ask and answer big questions in brain science.

In 2004 we launched the first of our **Allen Brain Atlas** resources, forever changing the way in which brain research could be conceptualized and conducted.

a highly valuable suite of publicly available. web-based research tools encompassing multiple species, developmental stages, anatomical structures, and brain-related diseases. Any researcher can access these resources resources to support a freely through a single data portal. Our tools enable scientists to work more quickly and make more effective decisions, allowing them to focus on their most promising discoveries.

Since then, we have built

With more than 4 million visits to date, our online resources have supported many thousands of experiments and are cited routinely in peer-reviewed publications. Our sought-after transgenic mouse lines are also publicly available, and with an Internet connection we are generating additional variety of laboratory and computational studies that have not previously been feasible.



Our Team

Founders

Paul G. Allen Jody Allen

Leadership

Allan Jones, Ph.D. Chief Executive Officer

Chinh Dang Chief Technology Officer

Christof Koch. Ph.D. Chief Scientific Officer

David Poston Chief Operating Officer

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Susan M. Coliton Vice President, Foundation & Collections, Vulcan Inc.

Allen D. Israel Member, Foster Pepper PLLC

Managing Director, Venture Capital, Vulcan Inc.

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John H.R. Maunsell. Ph.D. Harvard Medical School

David McCormick, Ph.D.

Harvard University

Randall Moon, Ph.D. University of Washington

Jeffrey Nye, M.D., Ph.D. Janssen Pharmaceutical Companies of Johnson & Johnson

Pasko Rakic, M.D., Ph.D. Yale School of Medicine

Harvard University

Friedrich Miescher Institute for Biomedical Research

John Rubenstein, M.D., Ph.D. University of California, San Francisco

Clifford Saper. M.D., Ph.D. Harvard Medical School

Eric Schadt, Ph.D.

Lorenz Studer, M.D. Sloan-Kettering Institute

Howard Hughes Medical Institute, Janelia Farm Research Campus

Doris Tsao, Ph.D. California Institute of Technology

David Tank. Ph.D. Princeton University

University of Wisconsin - Madison

Christopher Walsh, M.D., Ph.D. Harvard Medical School

Past Scientific Advisors

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Eberhard Fetz, Ph.D. University of Washington

Joshua Huang, Ph.D. Cold Spring Harbor Laboratory

Edward Jones, M.D., Ph.D. University of California, Davis

New York University School of Medicine

Sacha Nelson M.D. Ph.D. University of California, San Diego

Steven Paul, M.D. Weill Cornell Medical College

Luis Puelles. M.D., Ph.D. University of Murcia

Larry Swanson, Ph.D. University of Southern California

Joseph Takahashi, Ph.D. University of Texas Southwestern

Arthur Toga, Ph.D. University of California, Los Angeles

Phyllis Wise, Ph.D.

More than 200 dedicated employees



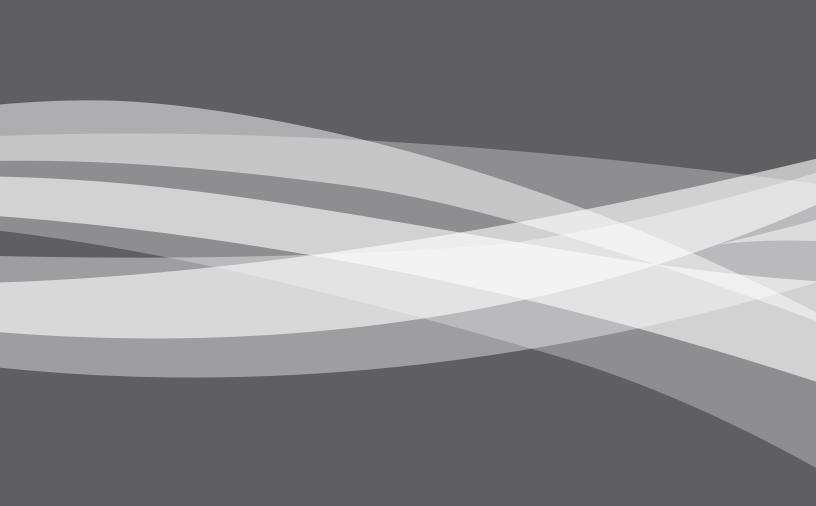
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