



Foundation
for Digital
Neurosurgery



FOUNDING PROSPECTUS

Building the Infrastructure for the Brain Economy





A Letter from the Founders

We have spent our careers at the point where technology meets the living brain: the operating room. Between us, we have built the registries that first measured neurosurgical outcomes at national scale, the surgical-AI company now used to guide operations in real time, and the data and computer-vision systems that are already changing how this work gets done.

From that vantage point, we have watched a new era arrive faster than the institutions meant to guide it. Artificial intelligence can now find patterns in neurological data that were invisible a decade ago. Sensors and brain-computer interfaces are moving out of the lab and into real patients. Every one of us has used tools like these directly, in surgery and in research, and has seen both what they make possible and what still stands in their way: fragmented data, absent standards, and no institution built to hold this work to a common standard.

The specialty that stands to be reshaped first by this transformation is the one we already practice. Data, standards, ethical frameworks, a trained workforce, and capital: the infrastructure this moment requires does not yet exist.

We founded the Foundation for Digital Neurosurgery to build that infrastructure.

Our mission extends beyond neurosurgery. It extends beyond medicine. It extends to the future of human flourishing itself. We believe the coming decades will bring advances that transform how we understand and treat brain health, mental health, learning, resilience, cognition, aging, and recovery—reshaping what is possible for the human mind.

The question before us is not whether this future will arrive. It is whether we will build the institutions capable of guiding it wisely, safely, and for the benefit of all.

We have committed ourselves to that work. We invite you to join us and to help build that future.

Sincerely,

Dr. Samuel Browd

President

Dr. Daniel Donoho

Chief Executive Officer

Dr. Anthony Asher

Founding Board Member

Dr. E. Sander Connelly

Board Member

The Next Great Frontier

The twentieth century was defined by industrial infrastructure. The early twenty-first century was defined by digital infrastructure. The coming decades will increasingly be defined by neural infrastructure.

For the first time in human history, we possess the tools to understand the nervous system at a meaningful scale. Artificial intelligence can identify patterns hidden within complex biological systems. Advanced sensors can measure neural activity continuously, in real time, outside the confines of a lab. Computational neuroscience is revealing new relationships between behavior, cognition, emotion, physiology, and health. Brain-computer interfaces are moving from science fiction to clinical reality.

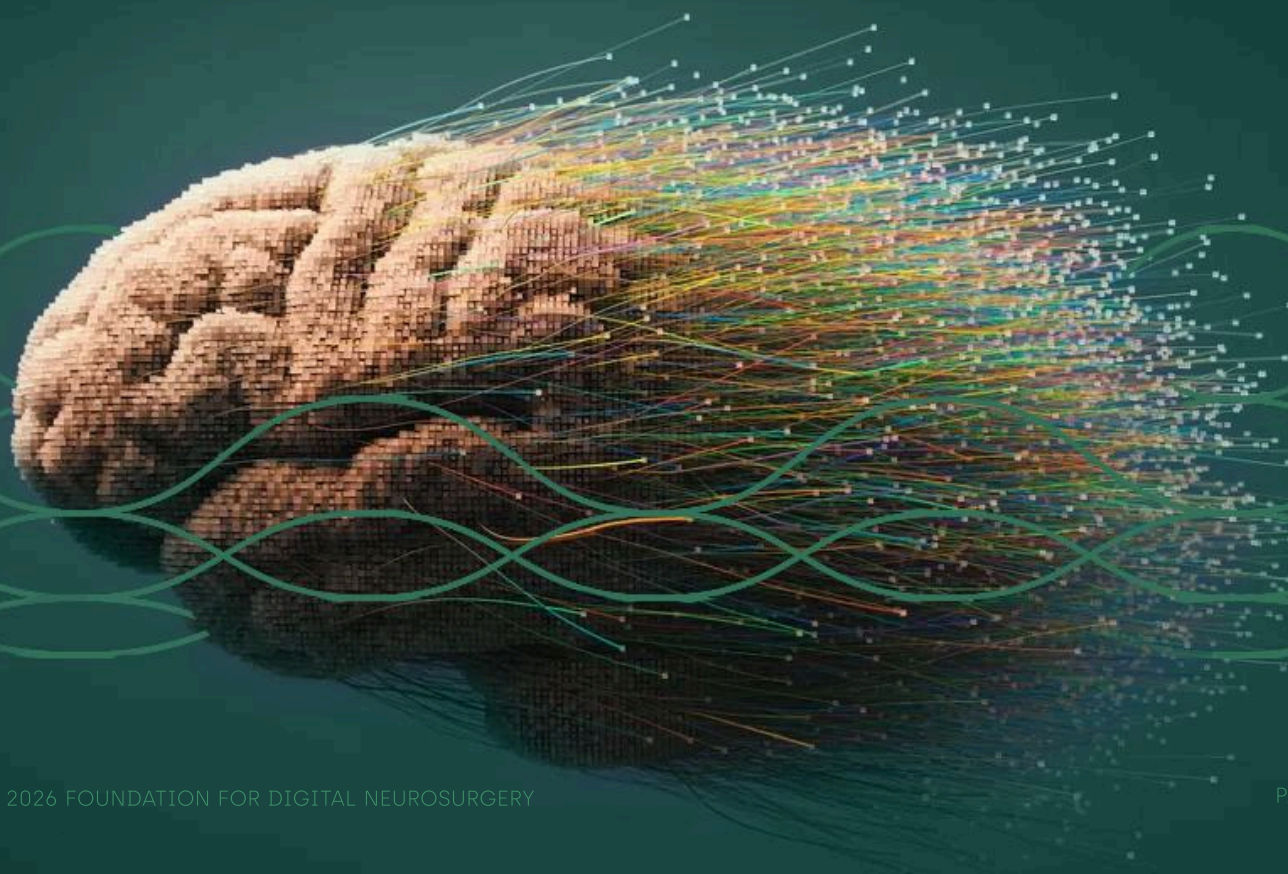
At the same time, neurological disease, mental health disorders, cognitive decline, and stress-related illness have become among the greatest challenges facing

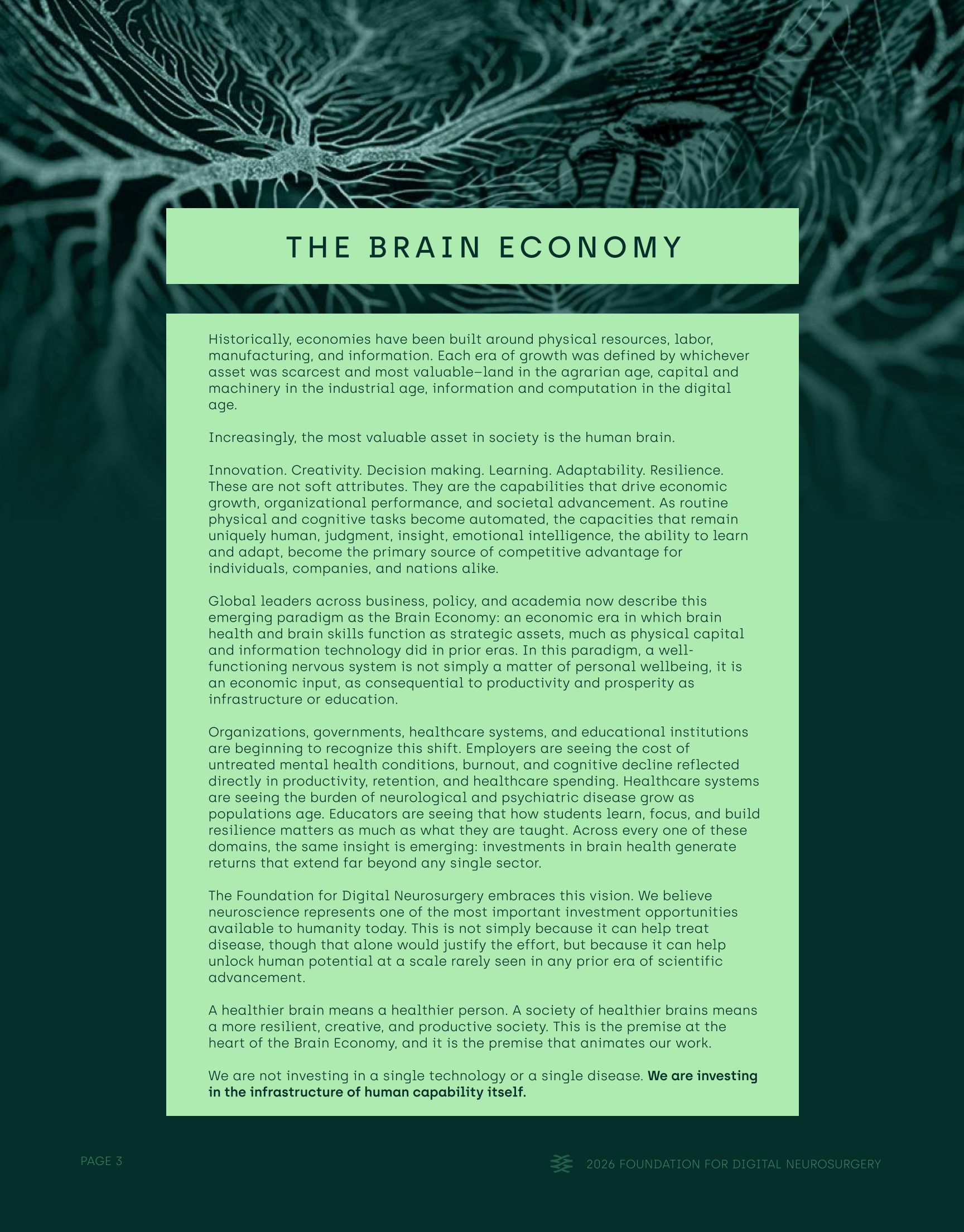
modern society, touching nearly every family, straining healthcare systems, and constraining human potential on a global scale.

The convergence of these trends creates a defining opportunity. We can now bring the precision of data and the power of artificial intelligence to bear on the most complex system we know: the human brain. The future of healthcare will increasingly be shaped by our ability to understand and improve the function of the nervous system. The future of wellness will increasingly be rooted in brain health. The future of human potential—how we learn, adapt, recover, and thrive—will increasingly be driven by neuroscience.

This is not a distant possibility. It is already underway. The only question is whether the institutions guiding this transformation will keep pace with its promise and its risks.

That is the frontier before us.





THE BRAIN ECONOMY

Historically, economies have been built around physical resources, labor, manufacturing, and information. Each era of growth was defined by whichever asset was scarcest and most valuable—land in the agrarian age, capital and machinery in the industrial age, information and computation in the digital age.

Increasingly, the most valuable asset in society is the human brain.

Innovation. Creativity. Decision making. Learning. Adaptability. Resilience. These are not soft attributes. They are the capabilities that drive economic growth, organizational performance, and societal advancement. As routine physical and cognitive tasks become automated, the capacities that remain uniquely human, judgment, insight, emotional intelligence, the ability to learn and adapt, become the primary source of competitive advantage for individuals, companies, and nations alike.

Global leaders across business, policy, and academia now describe this emerging paradigm as the Brain Economy: an economic era in which brain health and brain skills function as strategic assets, much as physical capital and information technology did in prior eras. In this paradigm, a well-functioning nervous system is not simply a matter of personal wellbeing, it is an economic input, as consequential to productivity and prosperity as infrastructure or education.

Organizations, governments, healthcare systems, and educational institutions are beginning to recognize this shift. Employers are seeing the cost of untreated mental health conditions, burnout, and cognitive decline reflected directly in productivity, retention, and healthcare spending. Healthcare systems are seeing the burden of neurological and psychiatric disease grow as populations age. Educators are seeing that how students learn, focus, and build resilience matters as much as what they are taught. Across every one of these domains, the same insight is emerging: investments in brain health generate returns that extend far beyond any single sector.

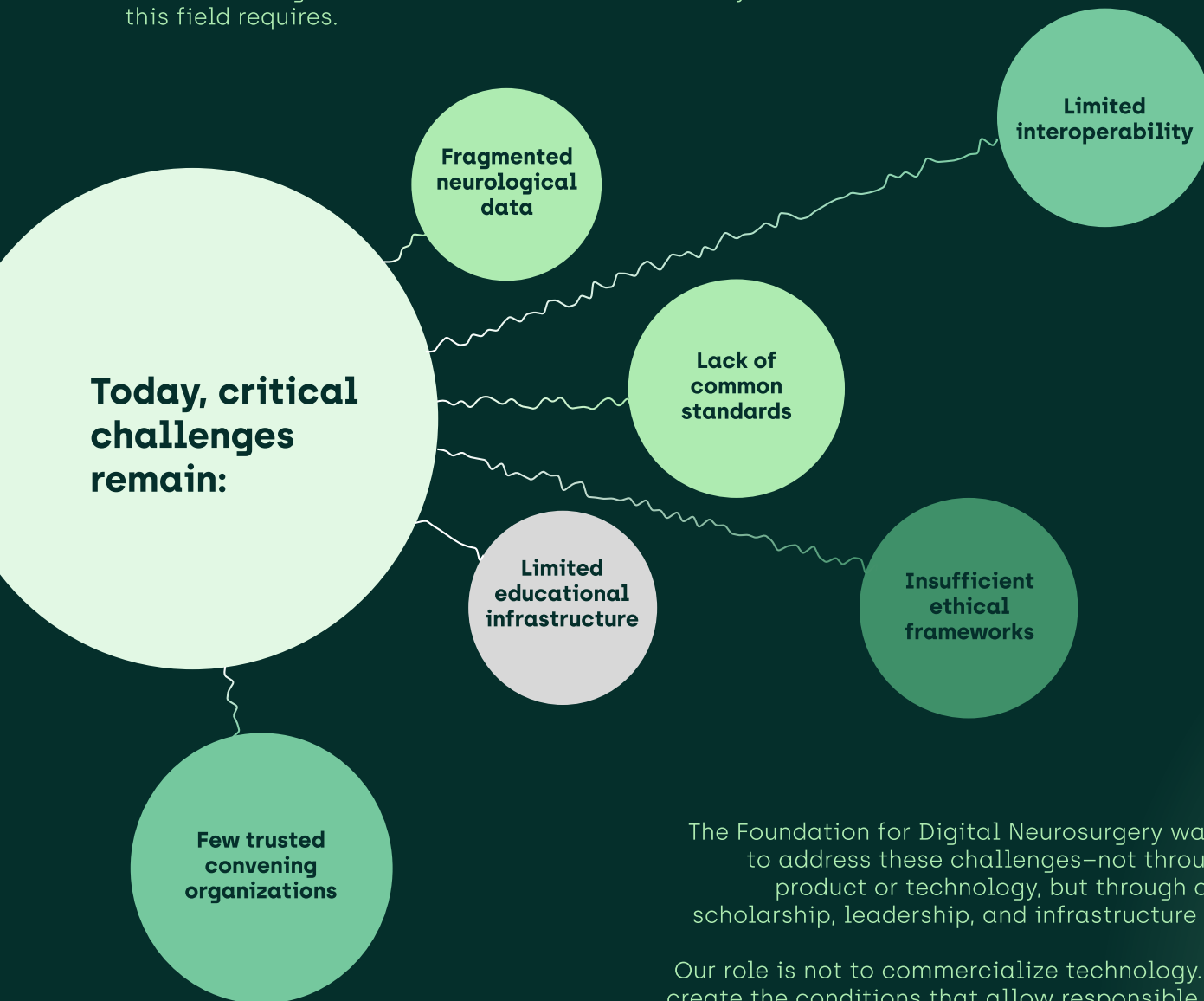
The Foundation for Digital Neurosurgery embraces this vision. We believe neuroscience represents one of the most important investment opportunities available to humanity today. This is not simply because it can help treat disease, though that alone would justify the effort, but because it can help unlock human potential at a scale rarely seen in any prior era of scientific advancement.

A healthier brain means a healthier person. A society of healthier brains means a more resilient, creative, and productive society. This is the premise at the heart of the Brain Economy, and it is the premise that animates our work.

We are not investing in a single technology or a single disease. **We are investing in the infrastructure of human capability itself.**

Why the Foundation Exists

Scientific progress alone is not enough. Transformational change requires institutions. The internet required standards. Modern medicine requires regulatory frameworks. Genomics required collaborative data infrastructure. The Brain Economy requires similar foundations. Yet today, critical gaps remain: neurological data is fragmented across systems that cannot communicate with one another; interoperability is limited; common standards are lacking; ethical frameworks have not kept pace with technical capability; educational infrastructure remains insufficient; and few trusted organizations exist to convene the many stakeholders this field requires.



The Foundation for Digital Neurosurgery was established to address these challenges—not through any single product or technology, but through collaboration, scholarship, leadership, and infrastructure development.

Our role is not to commercialize technology. Our role is to create the conditions that allow responsible innovation to thrive: setting standards where none exist, convening those who might otherwise work in isolation, building the ethical and educational scaffolding this field demands, and ensuring that as the Brain Economy takes shape, it does so on a foundation built for the long term.

National and Global Neurological Data Infrastructure

Data will become the foundational resource of neuroscience—the raw material from which future breakthroughs in diagnosis, treatment, and prevention are built. Yet without shared standards and infrastructure, even the most promising data remains isolated and underutilized. The Foundation seeks to advance the infrastructure necessary to change this, including:

- Developing neurological data standards that allow information to move across systems
- Grow multi-institutional repositories that pool knowledge rather than fragment it
- Build longitudinal outcomes databases that reveal how brain health evolves over a lifetime
- Promote federated research infrastructure that enables collaboration without compromising control
- Promote privacy-preserving architectures that protect patients while enabling discovery
- Integrate imaging and electrophysiology data into unified formats
- Build collaborative academic-industry frameworks that connect institutions with industry partners

Responsible data stewardship is not a technical detail, it is the determining factor in how quickly scientific discovery translates into better health outcomes and improved lives. This pillar exists to ensure that as neurological data grows in volume and value, it does so within a structure built for collaboration, security, and long-term public benefit.

Digital Neuroscience and Clinical Intelligence

Artificial intelligence is creating unprecedented opportunities to understand the nervous system revealing patterns in neurological data that were previously invisible to clinicians and researchers alike. The Foundation will support initiatives advancing:

- Clinical AI that enhances diagnosis and treatment planning
- Surgical AI that improves precision and safety in the operating room
- Computer vision that interprets complex neurological imaging
- Predictive analytics that anticipate disease progression and treatment response
- Computational neuroscience that models the brain's underlying systems
- Neurotechnology that bridges biology and computation
- Brain-computer interfaces that restore and augment human function
- Digital biomarkers that track neurological health continuously and objectively
- Clinical intelligence systems that translate data into actionable insight at the point of care

Our objective is not simply better technology. It is better outcomes for patients, families, and society ensuring that every advance in digital neuroscience is measured not by its sophistication, but by its impact on human lives.

Education, Leadership, Ethics, and Governance

The future requires leaders capable of navigating both scientific opportunity and societal responsibility. The Foundation will support:

- AI education that builds fluency across the neuroscience and clinical communities
- Digital fluency programs that prepare institutions for a data-driven future
- Innovation fellowships that cultivate the next generation of leaders
- Leadership development for those who will guide this transformation
- Ethics initiatives that keep pace with technical capability
- Neural rights frameworks that protect cognitive liberty and mental privacy
- Privacy and governance standards that earn public trust
- Public policy engagement that translates scientific insight into sound regulation

As technologies gain increasing ability to observe and model human cognition, ethical leadership becomes essential. The decisions made during the next decade may shape the relationship between humanity and neurotechnology for generations to come. These pillars exist to ensure that as our capabilities expand, so too does our wisdom in exercising them.

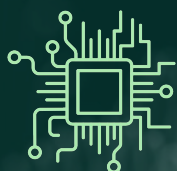
Foundation Scholars and the Global Brain Economy Forum

History demonstrates that ideas accelerate when exceptional people gather around a common mission.

The Foundation Scholars Program will bring together leaders from:



Neuroscience



AI



Engineering



Economics



Healthcare



Ethics



Policy



Industry



Philanthropy

Together, these scholars will help define the future of the Brain Economy. This will involve bringing diverse expertise to bear on the field's most consequential questions and building the relationships that turn isolated insight into collective progress.

In parallel, the Foundation will establish the Global Brain Economy Forum, an annual gathering designed to become the premier international convening focused on neuroscience, neurotechnology, AI, and human flourishing. The Forum will serve as a meeting point for the scientists, technologists, policymakers, and investors shaping this emerging field—a place where ideas are tested, partnerships are formed, and the direction of the Brain Economy is shaped in real time.

Our aspiration is to create for the Brain Economy what Aspen helped create for leadership and ideas: a lasting institution where the people building this future can come together, think boldly, and lead responsibly.

A Five-Year Vision

Within five years, the Foundation seeks to become the leading independent organization advancing neuroscience and the Brain Economy. Key initiatives include national neurological data programs, global ethics and governance frameworks, international educational programs, research and innovation grants, the Foundation Scholars Program, the Global Brain Economy Forum, and strategic partnerships spanning academia, healthcare, industry, government, and philanthropy.

Most importantly, we seek to build a durable institution capable of serving generations.

This is not a five-year project.

It is a fifty-year vision, one that begins now, with the partners willing to help build it.

Founding Campaign

The Foundation for Digital Neurosurgery is launching its Founding Campaign to establish the infrastructure, leadership, programs, and partnerships required to advance the Brain Economy.

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M I L L I O N**

A N I N V I T A T I O N T O B U I L D T H E F U T U R E

STRATEGIC INVESTMENT PRIORITIES:

Neurological Data Infrastructure
Education and Workforce Development
Foundation Scholars
Ethics and Governance

Global Brain Economy Forum
Research and Innovation
Institutional Sustainability



FOUNDING INVESTMENT LEVELS

Visionary Founder (Naming Gift)

\$25 Million+

Global Leadership Partner

\$10 Million – \$24.9 Million

Founding Partner

\$5 Million – \$9.9 Million

Innovation Partner

\$1 Million – \$4.9 Million

Leadership Circle

\$500,000 – \$999,999

Champion Circle

\$250,000 – \$499,999

Patron Circle

\$100,000 – \$249,999

Brain Capital Society

\$50,000 – \$99,999

Founders Society

\$25,000 – \$49,999

Friends of Digital Neurosurgery

\$10,000 – \$24,999

The future of human health, wellness, resilience, and potential will increasingly be shaped by our understanding of the brain.

Together, we can build the institutions that help ensure this future benefits all of humanity.

Join us in building the infrastructure for the Brain Economy.