

The Power and Promise of **Data Science and AI:**

Johns Hopkins University's
Transformational Investment



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The Investment

Johns Hopkins Data Science and AI Institute



Johns Hopkins has made a commitment to build the **nation's foremost destination** for emerging applications, opportunities, and challenges presented by data science, machine learning, and AI.



The Investment

Johns Hopkins Data Science and AI Institute



The new Data Science and AI Institute will enable the **recruitment of outstanding faculty** on a scale (and pace!) that's unprecedented and include a **significant expansion of our computing infrastructure.**



**Over the last decade, the
Bloomberg Distinguished
Professorships have charted
an innovative course in
research and scholarship.**

The BDP Program



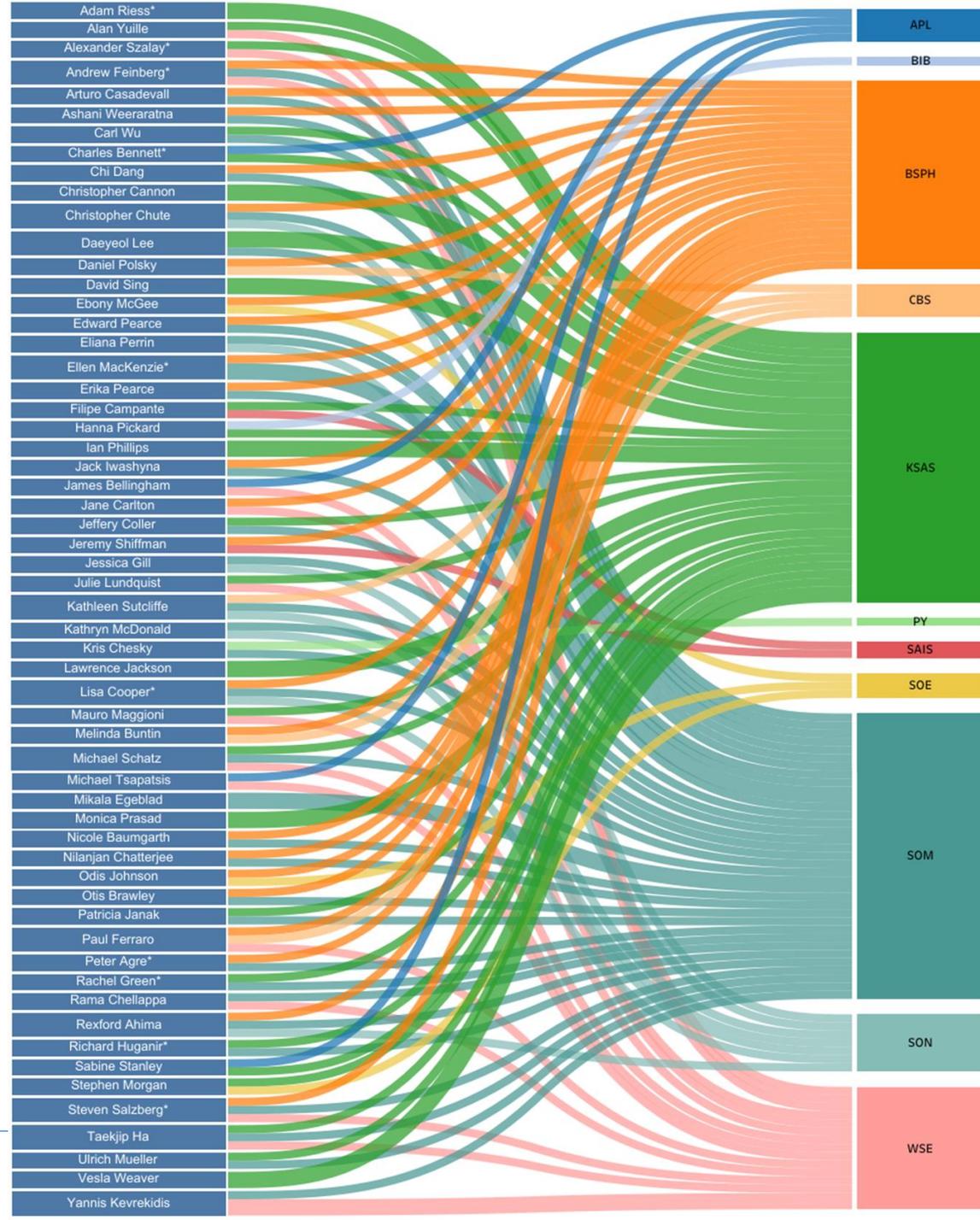
Bloomberg Distinguished Professors bridge the university's schools and divisions, conduct and **stimulate interdisciplinary research** that crosses traditional boundaries, and train a new generation of collaborative scholars.



BDP Bridges



The 65 BDPs recruited to date hold appointments in every division of Johns Hopkins. These new BDPs will bridge data science and AI into domains across the university.



The Investment

Johns Hopkins Data Science and AI Institute



Our initiative includes adding:

- **80 NEW TENURE-TRACK FACULTY**, the largest cluster hire in the history of the Whiting School of Engineering, in the departments of Computer Science, Electrical and Computer Engineering, and Applied Mathematics and Statistics.
- **30 NEW ENDOWED CHAIRS** as part of the Bloomberg Distinguished Professorships program, with joint appointments across JHU divisions.
- **30 AI-FOCUSED RESEARCH SCIENTISTS AND ENGINEERS** to support new engineering faculty projects.
- **40 NEW TENURE-TRACK FACULTY** outside of AI to strengthen all engineering departments.
- **A PROJECTED 750 NEW PHD STUDENTS** across all areas of engineering.

The Physical Infrastructure

Johns Hopkins Data Science and AI Institute



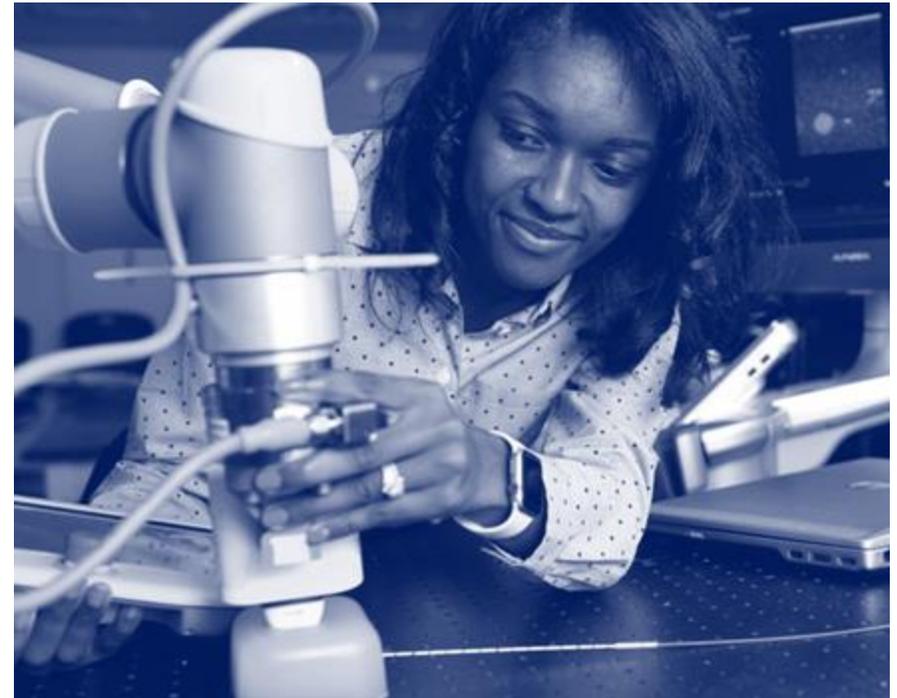
- **CREATING COMMUNITIES OF SCHOLARS:** Intellectual neighborhoods and communities that drive the programming of space.
- **COLLABORATIVE RESEARCH:** Labs and computational spaces will be proximate and integrated, encouraging interaction.
- **INTEGRATION OF EDUCATION AND RESEARCH:** The educational experience of our students and the opportunities to engage in research will be integrated with their “classroom” experience.
- **SCALE OF RESEARCH FACILITIES:** We will build cores at a scale that can more adequately support the research enterprise of our faculty.

The Opportunity

Johns Hopkins Data Science and AI Institute

We're looking for the most **daring thinkers and changemakers in data innovation** across academia, government, and private industry.

Joining the institute means joining Hopkins's global community—an ecosystem that offers unparalleled opportunities: exceptional funding, cross-field collaboration, professional advancement, and career-defining work.



**A historic investment in
the future of data science
begins with people.**

Bloomberg Distinguished Professorships **Clusters**



Dr. Denis Wirtz
Vice Provost for Research



Julie Messersmith
Assistant Vice Provost for Research

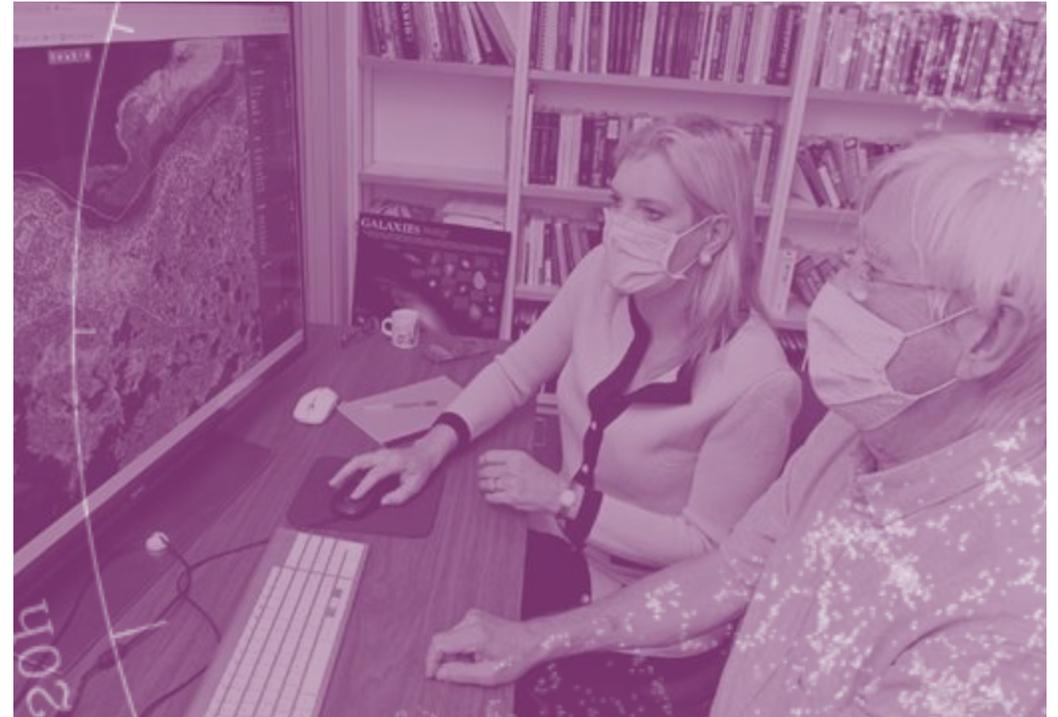
The Goal

Recruit 30 BDPs to bridge data science and AI across Johns Hopkins, focusing on translating technologies into practical solutions for real-world problems in specific interdisciplinary research areas.

Program Objectives

These Bloomberg Distinguished Professors will:

- Weave data science, data-driven research, and AI even more fully into the fabric and future of the university.
- Integrate diverse application domain knowledge into the data science and AI initiative.
- Transform discovery and innovation in areas such as medicine, energy, public policy, society, the humanities, climate, public health, business, and education.



Cluster Framework

Each research cluster will be composed of 3-4 BDPs at the associate or full professor level:

- **The majority of appointments will be between the Whiting School of Engineering and another academic division or APL.**
- **The BDP can hold their administrative home in either school depending on the academic case.**
- **The clusters will include investment by the participating departments or schools through start-up packages, salary support, infrastructure investments, and more.**



Selection Process

Three stages for BDP cluster selection:

1. **An internal committee representing all schools, APL, and institute leadership will select LOIs for full proposal invitations.**
2. **Full proposals will be assessed by committees of distinguished external researchers.**
3. **President, Provost, Deans and Directors, and the institute director will make a final selection based on committee review.**



Cluster Selection Timeline

November 2023
Call for clusters

February 19, 2024
Letters of intent (LOIs)
deadline

April 22, 2024
Full proposals due

Summer 2024
Final selection

December 6, 2023
Town Hall Webinar

Mid-March 2024
Full proposal invitations

April-May 2024
Distinguished external
committee review

Resources

Visit these resources for more information on the call for clusters and BDP positions:

- [CALL FOR BDP CLUSTERS](#)
- [FREQUENTLY ASKED QUESTIONS](#)



**This is an institution-
wide opportunity to
shape the future of
Johns Hopkins.**

Thank You

We thank you in advance for your innovation, passion, and thoughtfulness with this important process.