



**The University of Chicago  
and Affiliated Laboratories:  
Powerful Partners in  
Transformative Science**

## **ARGONNE AT A GLANCE**

**Founded:** 1946 near Palos Hills, named “Argonne” after the surrounding forest

Argonne is a multidisciplinary science and engineering research center, where “dream teams” of world-class researchers work alongside experts from industry, academia and other government laboratories to address vital national challenges in clean energy, environment, technology and national security.

UChicago has contributed its expertise as the prime contractor for Argonne National Laboratory since the lab’s founding.

### **Workforce**

- 3,412 total employees (FTEs)
- 1,395 scientists and engineers
- 273 postdoctoral scholars
- 357 graduate and undergrad students
- 224 joint faculty
- 7,400 facility users

### **Research**

- 15 research divisions
- 5 national scientific user facilities
- Many centers, joint institutes, program offices
- Collaborate with more than 600 companies, numerous federal agencies, and hundreds of research institutions worldwide

Argonne’s research is driven by the DOE-defined core capabilities in fundamental and applied science and engineering in which Argonne is a national leader: large-scale national user facilities and advanced instrumentation; applied mathematics; advanced computer science, visualization and data; chemical and molecular science; chemical engineering; condensed matter physics and materials science; applied materials science and engineering; particle physics; nuclear physics; accelerator science and technology; applied nuclear science and technology; and systems engineering and integration.

### **User Facilities at the Lab**

- Advanced Photon Source
- Argonne Leadership Computing Facility
- Argonne Tandem Linear Accelerator System
- Center for Nanoscale Materials
- Transportation Research and Analysis Computing Center



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## **FERMI NATIONAL ACCELERATOR LABORATORY AT A GLANCE**

**Founded:** 1967 in Batavia, Illinois

Fermilab is America's premiere particle physics and accelerator laboratory dedicated to solving the mysteries of matter, energy, space and time for the benefit of all. Fermilab aims to lead the world in neutrino science with particle accelerators; lead the nation in the development of particle colliders and their use for scientific discovery; and advance particle physics through measurements of the cosmos.

UChicago has contributed its expertise as co-contractor in the Fermi Research Alliance with the Universities Research Association for Fermilab since 2007.

### **Workforce**

- 1,780 total employees (FTEs)
- 493 scientists and engineers
- 74 postdoctoral scholars
- 9 joint faculty
- 2,543 facility users from 36 countries

### **Research**

- Five research divisions
- Two national scientific user facilities
- Many centers, joint institutes, program offices
- Collaborate with numerous companies across the world, the U.S. Department of Energy, the National Science Foundation, dozens of international governmental agencies, and hundreds of research institutions worldwide.

Fermilab is a world leader in accelerator research and particle physics, designing and building top-notch accelerators, detectors and computing systems for physics experiments around the globe. Fermilab supports U.S. participation in leading science experiments in other countries and brings scientists together for world-class experiments at home. Fermilab has been the site for several important discoveries in particle physics, and will be the host for the Deep Underground Neutrino Experiment, the first truly international mega-science project hosted by the U.S. Department of Energy.

### **User Facilities**

- The Fermilab Accelerator Complex
- The CMS Center



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## **MARINE BIOLOGICAL LABORATORY AT A GLANCE**

**Founded:** 1888, in Woods Hole, Massachusetts

The Marine Biological Laboratory (MBL) is an internationally recognized hub for research and education in the biological sciences, with a strategic focus on marine diversity, ocean ecology, and climate change. Known especially for its convening power, the MBL brings more than 1,500 of the world's leading scientists and students to its Woods Hole campus each year to collaborate, explore, and advance its mission of fundamental biological discovery.

UChicago and the MBL formed an affiliation on July 1, 2013. The affiliation builds on historical ties between Chicago and the MBL, which was led by UChicago faculty members for the first four decades of its existence.

### **Campus**

- In the village of Woods Hole on Cape Cod
- Nearly 350,000 sq. ft. of space for research and education, plus 175,000 sq. ft. of space for housing on 100 acres

### **Faculty, Scientists, Staff, and Visitors**

- 30 resident scientists/faculty, with 150 research staff and trainees and 85 year-round support employees
- 100 scientists and fellows, along with 250 students, research staff, and collaborators, conducting research seasonally in the Whitman Center
- Over 3,000 visitors annually for courses, conferences, workshops, and collaborative research

### **Research**

- New biology emerging from the study of novel marine organisms, encompassing research in regenerative biology, neuroscience, sensory physiology, and comparative evolution and genomics
- The study of microbial diversity and ecology in a variety of ocean and terrestrial habitats
- Imaging and computation, making the unseen visible to illuminate cellular function and new biological insights
- Ecological and evolutionary adaptation and resilience in the face of climate change and rapidly changing ecosystems

### **Education**

- 22 graduate-level, research-based courses each summer. This year, participants included 534 students from 43 countries and 358 institutions; and 960 faculty, staff, and lecturers from 20 countries and 307 institutions
- In addition, 115 undergraduates from various institutions participated in MBL courses and summer research internships
- During 2015, the University of Chicago brought 102 graduate students, 23 undergraduates, and 18 faculty to the MBL to participate in both UChicago and MBL courses and summer research internships



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## **THE UNIVERSITY OF CHICAGO AT A GLANCE**

One of the world's premier academic and research institutions, the University of Chicago has driven new ways of thinking since our 1890 founding. Today, UChicago is an intellectual destination that draws inspired scholars to our Hyde Park and international campuses, keeping UChicago at the nexus of ideas that challenge and change the world.

**Founded:** 1890

### **Campus**

- In Chicago's Hyde Park neighborhood near Lake Michigan
- 217 acres; designated a botanic garden in 1997
- Blend of traditional English Gothic and award-winning modern buildings designed by renowned architects

### **Students**

- 5,724 undergraduate students
- 9,588 graduate, professional, and other students

### **Faculty**

- 2,205 full-time faculty

### **Alumni**

- 157,000 alumni worldwide

### **Academics**

- 51 majors and 33 minors in the undergraduate College
- 5 divisions and 6 professional schools for graduate study

### **Research**

- 2,250 Research awards in FY2014
- More than 140 institutes and centers that offer opportunities for Argonne, Fermilab and Marine Biological Laboratory scientists, researchers and engineers to collaborate with University faculty
- 89 Nobel Prize winners, including 6 current faculty
- Manager of Argonne National Laboratory and Fermi National Accelerator Laboratory (in partnership); also affiliated with the Marine Biological Laboratory