

Pacific Northwest National Laboratory is a different kind of national lab. PNNL advances the frontiers of knowledge, taking on some of the world's greatest science and technology challenges. [Distinctive strengths in chemistry, Earth sciences, biology, and data science](#) are central to our scientific discovery mission. Our research lays a foundation for innovations that advance energy resilience through grid modernization and energy storage. It also enhances national security through nuclear materials and threat analyses. PNNL collaborates with academia in fundamental research and with industry to transition technologies to market.

We are a national lab with Pacific Northwest roots and global reach. Whether our researchers are accelerating scientific discovery and strengthening national security—advancing AI-driven research, reinforcing grid resilience, and reducing nuclear threats—or positioning the U.S. for global leadership in the bioeconomy, we accept great challenges for one purpose: to create a world that is more prosperous and secure.

Let us show you what happens when great minds meet great challenges.

By the Numbers - Fiscal Year (FY) 2024



6,043

Scientists, engineers, and professional staff



3,284

U.S. and foreign patents since 1965



2,005

Peer-reviewed, published articles



373

Invention Disclosures



\$1.66B

Annual Spending



\$847M

Total payroll

*FY24



235

FLC and R&D 100 awards

*since 1969



215

Companies with PNNL roots

Our Core Capabilities

PNNL has [22 core capabilities recognized by the DOE](#). Each one is a powerful combination of expertise, state-of-the-art equipment, and mission-ready facilities. Core capabilities represent a collective set of skills and a body of world-leading scientific and engineering work.

PNNL's core capabilities are organized into five areas:

1. Chemical and Material Sciences
2. Computational and Mathematical Sciences
3. Earth and Biological Sciences
4. Engineering
5. User Facilities and Advanced Instrumentation.

Drawing on these capability areas as needed affords the laboratory great flexibility and creativity in assembling teams to address complex science and engineering challenges.