

Intellectual Ventures Laboratory Fact Sheet

Primary Mission

Intellectual Ventures' mission is to be the leader in the business of invention. At Intellectual Ventures Laboratory (IVL), veteran scientists and technologists conduct advanced research and prove out invention concepts on inventions ranging from global health to climate change to metamaterials. The IVL team includes more than 30 dedicated staff with expertise across a diverse set of fields including computer science, electrical engineering, physics and rocketry.

IV Laboratory Founded:
Fall 2008

Location:
Bellevue, Washington

Team

More than 50 full and part-time staff with expertise in such diverse fields as computer network security, electrical engineering, physics (particularly optics, imaging, and photonics), and rocketry. Many have done cutting-edge research in their area of expertise after earning doctoral degrees in their fields of research. For example, Lab Executive Geoff Deane earned his Ph.D. in mechanical engineering from the University of California at Santa Barbara and served as CTO of an industrial-scale wind turbine developer. Other staff experience includes conducting research for high-tech companies and academic, government, and private laboratories such as Clipper Windpower, HP, ING Direct, Jet Propulsion Laboratory, Lawrence Livermore Laboratories, McDonnell Douglas, Oracle, and Sony, among many others.

Despite the team's diversity of experience, one characteristic they hold in common is "scientific fearlessness"—the courage to think independently and use unconventional approaches to meet technological challenges that exceed the capabilities of many other labs. Because of Intellectual Ventures' future-oriented business model, the team enjoys the latitude to work on projects that may deliver returns on a time scale that would be unacceptable to many other companies.

Specialized Research Areas

Cellular microbiology laboratory, chemistry laboratory, culinary laboratory, electronics shop, machine shop, photonics (laser) laboratory, nanotechnology laboratory, plus dedicated project spaces that combine equipment from a variety of specialized areas, including a space for research on global health initiatives.

Instruments

Spectroscopy, calorimetry, and histology equipment, an extensive microscope collection with a scanning electron microscope and an atomic-force microscope, environmental chambers, mechanical and fluid mechanics testing equipment, and a computational software workshop for modeling solids, optics, and circuits. A 5,700-square-foot machine shop featuring three- and five-axis computer-controlled mills (one each), a computer-controlled lathe, prototyping tools, welding stations, precision grinders, laser cutters, a high-pressure water-jet cutter, and a three-wire electronic discharge machining tool.

Partnering

Intellectual Ventures collaborates with commercial partners to bring new inventions to market. If you are interested in discussing potential partnering opportunities, please contact our Business Development group by e-mail.

Earth Friendliness

Almost all of the lab's equipment was purchased used or at auction; one core competency of its team is recycling second-hand equipment to extend service life.

Information

Lab Information: <http://www.intvenlab.com>

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