UWEB Industry Consortium

The UWEB Consortium brings together the best industrial talent and resources to solve important medical problems.

Research

The UWEB Consortium is a three-way partnership: the U.S. Government, the University of Washington, and more than 20 industrial sponsors and research organizations. UWEB is a prestigious research center generously supported by the National Science Foundation (NSF) with grants totaling $25 million. More than a dozen laboratory facilities at the university conduct state-of-the-art research and produce patentable discoveries year after year. This unique infrastructure provides an optimal resource for corporate entities and laboratories to take advantage of research with commercial potential.

Research — Discovery

Our Vision at UWEB

Biomaterials and medical devices are widely used: heart valves, hip joints, pacemakers, intraocular lens, just to name a few. They save lives and improve the quality of life for millions. Yet, the existing biomaterials don’t work as well as the real human parts they are intended to replace because the human body refuses to recognize them. Our aim at UWEB is to create the next generation of implantable materials that heal in the body. Using molecular modeling, genetic engineering, and creative synthetic chemistry, we design materials to trigger biological mechanisms and heal normally.

Applications for Your Business

We produce novel porous biomaterials for tissue engineering and repair. UWEB scientists are also highly engaged in molecular recognition for diagnostics and biodefense. UWEB’s research has applications for your business, in prosthetic materials and devices used in skin, cardiovascular, bone, ophthalmologic and neural sites. Together we can engineer live-saving biomaterials for people around the world.

While industrial research is product-dominated and academic research is more engaged in fundamental science, it’s more the motivation and interests of the researchers than the overall goals that defines the differences. None of this, a priori, is an impediment to UWEB’s mission. By far, the diversity of interests may yet be its greatest strength.

-Andy Branca,
UWEB Director of Industry Relations

Become a UWEB Sponsor! Contact:

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UWEB is located in historic Bagley Hall on the University of Washington campus.
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UWEB Technology Access Program (TAP)

UWEB provides our industrial sponsors with solutions to biocompatibility and the healing of medical devices. Consortium members have access to leading research and revolutionary advances in biomaterials. Our engineered systems will meet your needs to manufacture and market next-generation products.

**Grant Funding**
Partner with UWEB's experienced faculty to write grants for the Small Business Innovation Research (SBIR), National Institute of Health (NIH), Advanced Technology Program (ATP), Department of Energy (DOE), and the Department of Homeland Defense.

**Our Consortium Sponsors**
Abbott Laboratories
Guidant Corp.
Smith & Nephew
Alcon Laboratories
Integra LifeSciences
St. Jude Medical
Pacific Northwest National Laboratory
Arterial Vascular Engineering
iSense
Tyco International
Bausch & Lomb
Kendall Healthcare
US Surgical
Becton Dickinson
Medtronic, Inc.
Vanson HaloSource
Boston Scientific
Merck & Co
WL Gore & Associates
Ciba Vision
Novartis
Dow Corning
Nestle
Edwards Lifesciences
Genzyme
Roche Diagnostics

**TAP Deliverables:**

**Global Exclusive Access**
A distinguished Intellectual Property (IP) portfolio of advanced biomaterials gives your company global exclusive access to commercial licensing opportunities.

**New Intellectual Property (IP)**
Create new IP for your company's sole proprietary use through our unique Sponsored Research Agreement (SRA) and Research Technology Development Agreement (RTDA) programs.

**Industrial Post-Doctoral Program**
TAP into a top research institution by sponsoring industrial projects at UWEB. You foster highly qualified scientists dedicated to your company's project.

**Spin-offs/Start-ups**
Our technology can work to fit your business models for spin-off and start-up companies.

**Surface Analysis Tools**
UWEB sponsors have access to one of the nation's premier testbed centers, located in the National ESCA and Surface Analysis Center for Biomedical Problems (NESAC/BIO UWEB) through the Surface Analysis Recharge Center (SARC). Our highly advanced technology can evaluate surface analysis, biocompatibility, controlled release of therapeutics, and biomaterials *in vitro* and *in vivo*.

- Electron Spectroscopy for Chemical Analysis (ESCA)
- Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS)
- Contact angles
- Infrared Spectroscopy
- Atomic Force Microscopy

**Tangible products generate profits for industry and benefits for humankind.**
- Buddy Ratner, UWEB Director

**Workshops and Symposia**
Take advantage of UWEB's scientific symposia and reward yourself with Seattle's scenic beauty, cultural diversity, outdoor recreation, and urban attractions.

- NESAC/BIO Workshop
- UWEB Summer Symposium
- Annual Industry Short Course, Symposium, and Project Review
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Arterial Vascular Engineering
iSense
Tyco International
Bausch & Lomb
Kendall Healthcare
US Surgical
Becton Dickinson
Medtronic, Inc.
Vanson HaloSource
Boston Scientific
Merck & Co
WI. Gore & Associates
Ciba Vision
Novartis
Dow Corning
Nestle
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