MISSION

The Bill L. Harbert Institute for Innovation and Entrepreneurship fosters an entrepreneurial community and innovative ecosystem at UAB and provides the infrastructure required for students, staff, and faculty to commercialize innovation on campus and within the community.

Through partnerships with UAB schools, colleges, programs, and the local business community, the Harbert Institute works to increase innovation and entrepreneurial opportunities for students, faculty, staff, and businesses by launching sustainable startups with new or disruptive technologies.
PROGRAMS

TECHNOLOGY TRANSFER
To date, UAB has filed nearly 700 U.S. patents, received more than 2,600 intellectual property disclosures, and assisted with the creation of more than 60 companies based on UAB technologies, generating nearly $90 million in total revenue.

ACCELERATOR
With the recent launch of the UAB Commercialization Accelerator, the Bill L. Harbert Institute for Innovation and Entrepreneurship (HIIE) continues to foster a culture of entrepreneurship across campus, and engage the local business community. Program offerings include weekly seminars, guest speakers, and a mentor network for students, faculty, and staff.

FUNDING
With total research expenditures exceeding $562 million, UAB is a powerhouse for academic, clinical and research innovation. The institute facilitates rapid development of new ideas, products and technologies and prepares faculty, students and researchers to become entrepreneurs in an increasingly technology-driven ecosystem.
2018 FIGURES AT A GLANCE

- **$6.07 M** revenue generated through licenses
- **5** faculty startups
- **200** inventors engaged
- **4** student startups
- **38** patents issued
- **100** intellectual property disclosures
- **+60** community members engaged
- **42** licenses executed
- **+30** student entrepreneurs engaged
2018 STARTUPS

**TriAltus Bioscience** - Trialtus is working to transform the research proteins market, making it simpler and more affordable to obtain needed materials so scientists can spend more time conducting novel research. (CEO – Bob Shufflebarger; UAB Inventors – Pat Higgins, Ph.D., Alexey Vasiliev, Marina Vasilieva and Dmitry Vassilyev, Ph.D.)  trialtusbioscience.com

**HanaVax Inc.** - HanaVax is a startup out of the University of Tokyo established to develop a nasal vaccine against infectious diseases. This company has licensed a UABRF co-owned technology to create a broadly cross-protective pneumococcal vaccine containing PspA proline rich domains. In addition the company has licensed a UABRF solely-owned technology that is the basis for the co-owned intellectual property. (UAB Inventor – David Briles, Ph.D.)  hanavax.co.jp/en

**Reliant Glycosciences, LLC** - Reliant Glycosciences is a UABRF spin-out company established to facilitate the discovery of disease-specific treatments for IgA-Nephropathy. Through the establishment of specific biomarker assays and the identification of the underlying structure of the IgA1 that contributes to the pathology of the disease, Reliant Glycosciences will provide disease-specific testing services to pharmaceutical companies testing potential therapeutics against IgA-Nephropathy. (CEO – Matthew Renfrow, Ph.D.; UAB Inventors – Jan Novak, Ph.D., Hitoshi, Suzuki, Ph.D., Bruce Julian, M.D., Zina Moldoveanu, Ph.D., Milan Tomana, Ph.D., Matthew Renfrow, Ph.D. and Jiri Mestecky, M.D.)

**Humboldt Innovations, LLC** - Humboldt Innovations was established to develop and sell EPA approved products for mosquito abatement. The company has licensed a technology which uses specially formulated nanospheres that radically enhance the bioavailability and larvicidal effects of environmentally friendly biocides. (UAB inventors – Stephen Watts, Ph.D., Mickie Lynn Powell, Ph.D. and Andrei Stanishevsky. Ph.D.)

**HemEdits** - HemEdits focuses on developing a cure for Sickle Cell Anemia and other blood diseases. The company has licensed several technologies from UABRF that will allow them to develop and commercializes novel, patentable gene editing methods for correction of inherited and acquired blood disorders. (CEO – Tim Townes, Ph.D.; UAB Inventors – Lei Ding, Ph.D., William Placzek, Ph.D., Matthew Renfrow, Ph.D., Robert Whitaker, Chia-Wei Chang, Ph.D., and Tim Townes, Ph.D.)  hemedits.com
**HIGHLIGHTS**

**A New Home for Innovation**
The Bill L. Harbert Institute for Innovation and Entrepreneurship (HIIE) finds a new home in the heart of campus – in the Collat School of Business building. The facility features breakout rooms, an innovation lab, classrooms designed for team-based learning, a high-tech finance lab, a three-story atrium, an auditorium, a career center, and quiet study spaces. “Locating the HIIE in the new Collat School of Business building creates a hub for innovation and entrepreneurship that serves students, faculty, and also the wider Birmingham innovation community,” said Kathy Nugent, Ph.D., executive director of the Bill L. Harbert Institute of Innovation and Entrepreneurship. “The new space supports our commitment to leveraging UAB’s powerful research engine to transfer discoveries into products that positively impact quality of life and highlights our goal to generate a pipeline of companies that promote economic development within the region.”

**UAB Designated as Innovation and Economic Prosperity University**
The Association of Public Land-grant Universities (APLU) has designated UAB as an Innovation and Economic Prosperity University. The university is now one of 65 higher education institutions nationwide with the designation, the result of a year-long project spearheaded by the Bill L. Harbert Institute for Innovation and Entrepreneurship in conjunction with the UAB Innovation Council. Working groups formed in 2017 to review the university’s efforts toward the principles of economic engagement as defined by APLU and incorporated leaders from across the university’s schools, colleges, and health systems, along with a broad range of Birmingham stakeholders. The initiative provided an opportunity to highlight UAB’s accomplishments in research, innovation, technology commercialization, entrepreneurial education, workforce development, and community engagement, as well as to define goals for economic engagement.
HIGHLIGHTS

Innovation Fund Announced
To build on UAB's Research, Innovation and Economic Development strategic mission pillar, HIIE has established the UAB Innovation Fund. The newly launched funding resource will support the development of early-stage discoveries and promising new university startups. Details an applications will be live on our website beginning in January 2019.

HIIE Surpasses 2018 Tech Transfer Goals
2018 brought big opportunity for technology transfer at UAB. Our team of researchers submitted more than 100 intellectual property disclosures (up 52% from last fiscal year), and generated more than $6 million in licensing revenue. The Bill L. Harbert Institute for Innovation and Entrepreneurship is expanding its tech transfer team and building a new strategic plan to harness the growing number of inquiries and bolster the culture of innovation on campus.

Student Startups Excel in Accelerator
The inaugural cohort of UAB Commercialization Accelerator students continues to disrupt the Birmingham startup scene. The semester-long program engaged 29 UAB students who formed seven teams. Of those teams, four have incorporated into businesses after completing the program. One student startup, Fledging, is generating more than $60,000 in monthly revenue and recently moved into Innovation Depot. The startup also won the 2018 Birmingham Venture Club Spark Match competition and is working to develop additional product offerings. The second student cohort launched in September.

Goodrich Endowed Chair for Innovation and Entrepreneurship
Professor Patrick J. Murphy, Ph.D. joined as UAB’s new champion for entrepreneurship on campus. Murphy has been an entrepreneurship professor for more than 15 years and is well-versed in cutting-edge entrepreneurship training and the enhancement of entrepreneurship education through outreach to entrepreneurial ventures, community engagement and program development. Murphy holds a joint appointment in the HIIE and Collat School of Business, and will be instrumental in harnessing the collective efforts towards innovation and entrepreneurship across the academic and technology transfer programs.
OUR TEAM

Kathy N. Nugent, Ph.D.
Associate Vice President
Executive Director

Shawnda Jones
Executive Assistant

Justin S. Daigneault, M.B.A.
Financial Officer

Briana Bryant
Marketing Manager

Patrick J. Murphy, Ph.D.
Goodrich Endowed Chair for
Innovation and Entrepreneurship

Rubin Pillay, Ph.D.
Chief Innovation Officer
School of Medicine

Max Polec
Commercialization Accelerator
Program Director

Holly Wales Meadows, J.D.
Associate Director

Deborah J. Bidanset, Ph.D.
Senior Licensing Associate

Scott Swindle, Ph.D.
Licensing Associate

Hemali Patel, M.Eng.
Licensing Associate

Amanda Dove
Patent Manager

Helena Christine, J.D.
University Counsel

Natalie A. Cox, J.D.
Sponsored Program Analyst

Venture for America Fellows

Lydia Dick
Commercialization Accelerator
Program Assistant Director

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