ABOUT US

The Bill L. Harbert Institute for Innovation and Entrepreneurship fosters an entrepreneurial ecosystem at UAB and provides the infrastructure required for students, staff, and faculty to commercialize innovation on campus, within the region, and beyond. With total research expenditures exceeding $562 million, UAB is a powerhouse for academic, clinical and research innovation. The Harbert Institute leverages university research, facilitates rapid development of new ideas, products and technologies and prepares students, faculty, and staff entrepreneurs in an increasingly technology-driven ecosystem.

We strive to:

- Empower the campus to inspire, discover, innovate and create;
- Create a streamlined pathway from idea to commercialization;
- Enhance undergraduate and graduate programs in entrepreneurship, innovation and new venture management; and
- Become a pillar for economic development across Birmingham and the region.
TECHNOLOGY TRANSFER AND NEW VENTURE SUPPORT
Serving UAB faculty, staff, and students in identification, assessment, protection and marketing of commercially viable technologies developed on campus. Innovators are encouraged to explore the commercial potential of scientific discoveries and possible inventions with our tech transfer office as early as practical. For innovators interested in creating a startup, we can help brainstorm potential business ideas, assemble executive teams, develop business plans, and navigate university policies regarding entrepreneurship. innovation@uab.edu

THE ANVIL
A free, 10-week program open to all UAB undergraduate, graduate, and Ph.D. students seeking to launch a business venture. Anvil offerings include mentorship and coaching from seasoned entrepreneurs, curriculum taught by guest speakers, business community leaders, and faculty, and networking events including workshops, and a final pitch showcase. Student participants compete to win up to $5,000 in funding. accelerate@uab.edu
Revenue generated through licensing university technologies feeds the cycle of innovation across campus. 2019 revenue increased by six percent from 2018 ($6.07 million) and nearly 38 percent from 2017 ($4.67 million). In total, UAB has generated more than $100 million in licensing revenue.
ECONOMIC DEVELOPMENT

2 FACULTY STARTUPS FORMED

4 STUDENT STARTUPS FORMED

8 REVENUE-GENERATING STUDENT VENTURES

+130 COMMUNITY MEMBERS ENGAGED

5 INNOVATION DEPOT COMPANIES
UNIVERSITY STARTUPS

Commercializing the wealth of knowledge generated across the university isn't simply about the bottom line. Our commitment to fostering entrepreneurship on campus centers on providing opportunities for faculty and student startup companies to launch, serve the local community, and contribute to the greater public good. This year, two companies were formed from UAB technologies. Four student startups formed, and eight revenue-generating student ventures were supported. In total, more than 75 startups have launched from UAB technologies. The impact of their success will enrich our university and community for years to come.

<table>
<thead>
<tr>
<th>HIGHLIGHTS FROM STARTUPS FORMED IN THE LAST TWO YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>34 jobs created / maintained</td>
</tr>
<tr>
<td>$1.05M total sales generated</td>
</tr>
<tr>
<td>$4.7M investment capital raised</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HIGHLIGHTS FROM ALL STARTUP COMPANIES SPUN OUT OF UAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>+900 jobs created / maintained</td>
</tr>
<tr>
<td>$1.006B startup valuation</td>
</tr>
<tr>
<td>$1.496B capital raised</td>
</tr>
<tr>
<td>10 states of operation</td>
</tr>
<tr>
<td>3 countries of operation</td>
</tr>
</tbody>
</table>
EMERGING TECHNOLOGY

A selection of new startup companies growing within the university and across the community. Each stage of the pipeline includes local resources and partners that work in tandem to cultivate startup development.
HIGHLIGHTS

UAB GROWS TECH TRANSFER TEAM
The Bill L. Harbert Institute for Innovation and Entrepreneurship welcomed two new tech transfer professionals to its team to support the commercialization of campus innovations. Karthik Gopalakrishnan, Ph.D., joined as Director of Licensing and New Ventures and is charged with managing the growing portfolio of UAB technologies. He previously worked at Duke University's Office of Licensing and Ventures and as a consultant with a biotechnology startup, and holds more than 15 years of experience in technology evaluation, marketing and negotiating agreements, business plan assessment, startup formation and fundraising across broad scientific disciplines. Licensing Associate Sathya “Sat” Balachander, Ph.D., brings an extensive background in life sciences and engineering. Prior to joining the Harbert Institute, Sat was a post-doctoral fellow at Georgia Institute of Technology, where his research focused on studying the factors responsible for targeting ribonucleotides and modified ribonucleotides embedded in DNA.
Yuva Biosciences is harnessing cutting-edge science to develop products based on breakthrough UAB research in which mitochondria play a role in reversing skin aging and hair loss. The startup company will locate in Birmingham, while leveraging a national leadership team. Keshav Singh, Ph.D., professor of genetics in the UAB School of Medicine, will serve as chief scientific adviser for the startup, and Boston-based serial entrepreneur, Greg Schmergel, MBA, will serve as chairman. The startup intends to develop cosmeceuticals, science-based cosmetics with medicinal properties, and pharmaceuticals. The runway to product launch becomes significantly shorter for cosmeceuticals, and the company expects to develop initial topical products within four years, tapping into a $11 billion hair loss prevention and anti-aging skincare market.

yuvabio.com
RESOURCES

UAB STARTUP GUIDE: GUIDANCE FOR EMPLOYEE INVENTORS

UAB embodies a spirit of discovery that advances knowledge, solves real-world problems and drives economic development. The university’s Entrepreneurial Development Committee created a guide to serve academic entrepreneurs interested in commercializing an invention. Whether a new or serial entrepreneur, the EDC is committed to helping employees navigate the process. Find the guide and other resources featured in the newly launched Innovator Toolkit on the Harbert Institute website. uab.edu/innovation/toolkit

THE BHAM BIZHUB: A RESOURCE FOR THE BUSINESS COMMUNITY

Bham BizHub launched this summer to help entrepreneurs and small business owners navigate local resources. The website acts as an interactive, centralized information hub, featuring three beta resource guides: The Map, The Grid, and The System. Using survey data collected from more than 70 local organizations, Bham BizHub aggregates events and workshops around Birmingham geared toward startups and small businesses. The project is a collaboration between the Alabama Capital Network, the Birmingham Business Alliance, and the Bill L. Harbert Institute for Innovation and Entrepreneurship, aligning each organization's mission to advance entrepreneurship in Birmingham. bhambizhub.com
UAB ENTREPRENEURSHIP

A collection of non-credit bearing programs delivered in partnership with the Harbert Institute for Innovation and Entrepreneurship and Collat School of Business.

ANVIL STUDENT STARTUP BOOTCAMP
A free 10-week program open to UAB undergraduate, graduate, and Ph.D. students seeking to launch a business venture. Participants form teams and compete for $5,000 in funding. Spring interest form: bit.ly/UABAnvil

BLAZER HATCHERY AND HACKATHON
UAB undergraduate, graduate, and Ph.D. students experience a crash course on the entrepreneurial mindset. Student teams tackle local problems in a month-long hackathon and present solutions to Alabama Power, competing for $10,000 in cash prizes.

EPSILON NU TAU AND WOMEN IN ENTREPRENEURSHIP
Student-run programs supporting entrepreneurship on campus and connecting student members with community entrepreneurs. uab.campuslabs.com/engage

HEALTHCARE INNOVATION ACADEMY
An inter-professional program designed to analyze and develop solutions for current challenges in healthcare delivery. Cohorts run during the spring and fall. Learn more: oneuabmedicine.org/groups/innovation

HIIE COMMERCIALIZATION PARTNERS
Support entrepreneurship on campus as mentors, guest speakers, coaches, investors, and executive talent. Ongoing application: bit.ly/HIIEPartner

UAB INNOVATION CORPS (I-CORPS)
I-Corps provides UAB researchers with a new approach to accelerate the translation of discoveries from the lab to the marketplace. Teams can earn up to $2,500 to engage in customer discovery. Learn more: uab.edu/icorps

WEEKLY ENTREPRENEURSHIP GATHERING
Connecting students from across campus with local entrepreneurs for networking every Wednesday at 12 pm in the Collat lobby. Refreshments sponsored by Deloitte.
OUR TEAM

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

Shawnda Jones
Executive Assistant

Justin Daigneault, MBA
Director of Fiscal Affairs

Briana Bryant
Marketing Manager

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

Molly Wasko, Ph.D.
Associate Dean of Research, Innovation and Faculty Success

Rubin Pillay, Ph.D.
Chief Innovation Officer

Lydia Dick
Venture for America Fellow

Karthik Gopalakrishnan, Ph.D.
Director of Licensing and New Ventures

Scott Swindle, Ph.D.
Licensing Associate

Sat Balachander, Ph.D.
Licensing Associate

Saksham Narang
Licensing Associate

Amanda Dove
Patent Manager

Amanda Gray
Program Manager

Helena Christine, J.D.
University Counsel

Natalie Cox, J.D.
Sponsored Programs Analyst