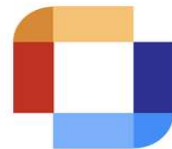


NORTH CAROLINA LIFE SCIENCES TRADE MISSION

Stuttgart
May 8-9th, 2025



ECONOMIC
DEVELOPMENT
PARTNERSHIP of
NORTH CAROLINA



AHP
INTERNATIONAL

Carried out by:
AHP International GmbH & Co. KG
www.ahp-international.com

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North Carolina: A Life Sciences Powerhouse

North Carolina has earned its place among the top life sciences hubs in the United States. Anchored by the Research Triangle Park (RTP)—one of the largest research parks in the world—the state is home to **more than 800 life science companies**. Its strengths span across **biopharmaceutical manufacturing, clinical research, agtech, and personalized medicine**.

The state benefits from strong public-private partnerships, a skilled workforce, and a network of top-tier research universities such as Duke, UNC-Chapel Hill, and NC State. Together, these elements create an ecosystem that supports innovation, commercialization, and collaboration. North Carolina's thriving contract research sector, robust manufacturing infrastructure, and dynamic startup scene make it a fertile ground for international partnerships and investment.

Life Sciences Trade Mission, May 5-9th, 2025

In May 2025, the Economic Development Partnership of North Carolina (EDPNC) in collaboration with its local partner: AHP International, organize a Life Sciences Trade Mission to explore collaboration opportunities in two of Europe's leading innovation regions: Switzerland and Germany.

Following three days of networking and attendance at the prestigious Swiss Biotech Day in Basel (May 5-7th), the delegation will travel to Stuttgart for a high-impact agenda (May 8-9th). The Stuttgart program highlights include a market briefing, sectoral introductions, matchmaking events with local clusters, and targeted B2B meetings with life sciences companies and research institutions. The program is designed to foster strategic connections and long-term collaboration between companies from North Carolina and potential partners from the Baden-Württemberg region.

This Delegation Brochure includes the profiles of the North Carolinian companies attending the Life Sciences Mission.

If you are interested in a meeting with one or more of the companies, please contact the following representative of AHP International, responsible for arranging the B2B meetings:

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Organizers:

Economic Development Partnership of North Carolina

<https://edpnc.com>

The EDPNC improves the economic well-being and quality of life for all North Carolinians by recruiting new businesses to the state, supporting existing employers, assisting companies with international trade, counseling small business and startups, and promoting North Carolina as a tourism destination.



North Carolina has rightfully earned the title of America's Top State for Business by CNBC in 2022 and 2023.

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AHP International

<https://ahp-international.com/>



AHP International (AHPI) is a consulting firm specializing in international trade, export promotion, and foreign direct investment (FDI) facilitation. With a presence in North America, Germany, Poland/CEE, Ukraine, and the Baltics, AHPI offers a comprehensive suite of services aimed at supporting businesses and public institutions in their international activities.

AHPI is a local partner of EDPNC in Europe, supporting companies from North Carolina in market entry, business partner searches, and arranging trade missions to Europe.

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Companies:

Adámas Nanotechnologies

<https://www.adamasnano.com/>



Company description:

Adámas Nanotechnologies is a manufacturer of nanodiamond materials supporting research and development in the life sciences and biomanufacturing sectors. Adámas provides a library of quantum-enabled fluorescent diamond particles utilized in bio-imaging, sensing, and diagnostics developments. The company's specialized materials allow for nanoscale sensing of physio-chemical parameters, including: reactive oxygen species (ROS), temperature, and magnetic fields at the subcellular level. Nanodiamond reporters provide transformative diagnostic capabilities, such as enhancing LFA immunoassay to ELISA-level sensitivity. Adámas has established collaborative efforts in both academic and industrial sectors, with 25+ patents and 200+ scientific publications.

Partner profile:

The company is seeking strategic partnerships with distributors and companies specializing in advanced diagnostic and biosensing technologies. This includes lateral flow assays (LFA) and other fluorescence-based immunoassays, particularly in assay development and fluorescent LFA reader manufacturing. The company is also interested in super-resolution imaging, focusing on microscopy non-bleaching reagents/fiducial markers and DNA sequencing applications. In the field of fluorescence-based anti-counterfeiting, Adámas is looking for partners specializing in fluorescent security markers and taggant solutions. Additionally, Adámas seeks partners in nanoscale quantum sensing, including photonics, oxidative stress measurement (e.g., in bioreactors), and related diagnostics (e.g., ROS in minimally processed blood). Adámas Nanotechnologies is open to collaborations with academic and research institutions engaged in quantum sensing, diagnostics, and life sciences.

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Aesara

<https://aesara.com/>



Company description:

Aesara is a market access and health economics consultancy that provides digital solutions to support pharmaceutical, biotech, and medtech companies in navigating pricing, reimbursement, and health technology assessment (HTA) processes. The company specializes in evidence generation planning, including clinical trial design, value communications, and market access strategy development, offering tools that help clients analyze data, engage with stakeholders, and optimize decision-making. The company also develops interactive value dossiers and digital tools to improve engagement with regulators and payers. With a team of market access experts, health economists, and digital strategists, Aesara integrates scientific evidence with commercial strategy to help life sciences companies effectively position their products in global markets. Aesara assists international life science companies in expanding into the U.S. with regulatory, market access, pricing, and commercialization strategies.

Partner profile:

The company seeks partnerships with pharmaceutical manufacturers and small biotech firms needing support in clinical trial design, evidence generation strategies, pricing and market access. It also would like to engage with CROs and with consultancy firms working in the area of Value & Access interested in having a partner in the U.S.

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Codetta Bio

<https://www.codettabio.com/>



Company description:

One Instrument. Three Analytes. Results in 3 Hours.

Simultaneous quantification of proteins, DNA, and RNA—all on a single streamlined platform.

Codetta Bio is a life sciences company pioneering advanced multi-omic biomarker measurement tools designed to transform how researchers analyze complex biological systems.

Our integrated platform enables simultaneous analysis of proteins and nucleic acids—combining the precision of digital PCR with the dynamic range of qPCR. This powerful technology delivers rapid, sensitive, and multiplexed biomarker measurements from a single sample in as little as three hours, supporting translational research and clinical trials with comprehensive molecular insights.

Codetta Bio's assays are crafted to deliver integrated, high-resolution data across multiple molecular dimensions. Whether you need precise cytokine quantification, robust gene expression profiling, or the ability to assess immune health, disease pathways, or therapeutic response—all within the same sample—our platform offers seamless flexibility and unmatched analytical power tailored to your research needs.

Partner profile:

The company is seeking to establish strategic partnerships within the biopharma and biotech sectors, with a focus on engaging key industry players. This includes specialty biotech distributors that bring advanced technologies to market, as well as small to mid-sized pharmaceutical and biotechnology companies in need of biomarker validation and solutions for measuring protein, DNA, and RNA simultaneously within a single, streamlined platform.

The company is also interested in collaborating with research service providers and academic research centers engaged in biomarker validation, translational research, and efforts to consolidate multi-omic workflows—helping to save both time and resources.

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SmaBio Laboratories

<https://smabiolabs.com/>



Company description:

SMA Bio Laboratories is a Contract Development and Manufacturing Organization (CDMO) specializing in drug product development, stabilization, testing, and manufacturing for pharmaceutical, biotech, medical food, and veterinary industries. With extensive in-house capabilities, the company offers end-to-end solutions, from early-stage formulation and analytical testing to process development and commercial-scale manufacturing. SMA Bio Laboratories serves small to mid-sized pharmaceutical and biotech companies, medical food providers, and veterinary pharmaceutical firms, delivering customized development and manufacturing strategies. Unlike many CDMOs that require months to initiate projects, the company provides immediate capacity, enabling faster project starts and efficient commercialization.

Partner profile:

The company is looking for small to mid-sized biotech and pharmaceutical firms lacking in-house manufacturing, academic institutions needing CDMO support, and medical food companies requiring expertise in formulation and testing. It also serves veterinary pharmaceutical companies developing animal health treatments. The company is also interested in connecting to other CDMOs.

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Swabbot

<https://swabbot.com/>



Company description:

Swabbot Solutions, LLC is a company that has developed an innovative automated swabbing device designed to enhance the swabbing process by improving consistency, recovery, cost, and safety. Their flagship product, SWAB-E™, is tailored for hard-to-reach areas such as vessels and large confined spaces, eliminating the need for manual swabbing and reducing the risks associated with confined space entry. This automation ensures accurate and repeatable swabbing procedures, minimizing operational costs and enhancing safety. Additionally, the Swabbot Benchtop (SWAB-B™) is designed for laboratory settings, automating swabbing processes to maintain high standards and improve efficiency.

Partner profile:

Swabbot seeks collaboration with distributors and resellers experienced in robotics and cleaning validation, as well as CMOs (Contract Manufacturing Organizations) and CDMOs (Contract Development and Manufacturing Organizations) that support pharmaceutical production. Additionally, pharmaceutical companies and multi-use equipment manufacturers are potential partners and customers, as the company's two robotic solutions—one for the field and one for the laboratory—offer an efficient and automated approach to cleaning validation. Additionally, large pharmaceutical companies are a key target market, with an interest in expanding into the cosmetics sector in the future. The company is open to exploring partnerships that facilitate sales, distribution, and implementation of its robotic cleaning validation technology on a global scale.

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