The Company

ILiAD Biotechnologies is a clinical-stage biotechnology company developing a next-generation vaccine to prevent disease caused by *Bordetella pertussis*, the bacterium responsible for whooping cough. Despite widespread vaccination, pertussis remains a significant global health challenge due to waning immunity and the limited ability of current acellular vaccines to prevent transmission.

ILiAD's vaccine candidate, BPZE1, is a live attenuated intranasal pertussis vaccine designed to mimic natural infection and stimulate both mucosal immunity in the respiratory tract and systemic immune responses in the bloodstream. This approach has the potential to provide broader and more durable protection compared to existing intramuscular acellular pertussis vaccines. BPZE1 is the most advanced next-generation pertussis vaccine in development and has completed multiple Phase 2 clinical trials, including a human challenge study demonstrating protection against virulent *B. pertussis*.

Founded in 2012, ILiAD has secured over $215 million in funding to support the development of BPZE1 and recently completed additional financing to further advance its clinical programs and manufacturing readiness. The company also operates BioLyo Technologies, a wholly owned subsidiary based in Ghent, Belgium, focused on process and analytical development for live bacterial products. Through its vaccine platform, ILiAD aims to address the persistent global burden of pertussis and deliver more effective prevention strategies for this highly contagious respiratory disease.

The Role

The **Senior Vice President, Manufacturing & Supply** will serve as ILiAD Biotechnologies' senior-most manufacturing leader, overseeing operations across Chemistry, Manufacturing, and Controls (CMC), process development, GMP manufacturing, supply chain, quality interfaces, and technical operations for all ILiAD programs, including BPZE1, the company's live attenuated intranasal pertussis vaccine.

This individual will also oversee BioLyo Technologies, ILiAD's wholly owned subsidiary and CDMO specializing in live bacterial product (LBP) process and analytical development, which plays a central role in process characterization and preparation of the lyophilized drug product for late-stage development.

In this highly visible role, the SVP will define and execute the company's CMC strategy to ensure readiness as BPZE1 advances into its pivotal program and toward commercial scale. Key priorities include overseeing GMP manufacturing of Phase 3 clinical supply and PPQ materials, supporting the pre-approval inspection (PAI) of the GMP manufacturing asset, leading BLA preparation and submission, and ensuring launch readiness and commercial manufacturing scale.

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Responsibilities

- **CMC Strategy & Execution:** Lead ILiAD's global manufacturing and supply to deliver BPZE1, covering drug substance and drug product, process validation in support of company's CMC strategy and deliverables.
- **Regulatory CMC Leadership:** Lead preparation of CMC sections in support of global regulatory submissions (IND, IMPD, BLA/MAA), working closely with Regulatory, etc.
- **Cross-Functional Leadership & Alignment:** Partner with R&D, Clinical, Regulatory Affairs and Commercial teams to ensure manufacturability, scalability, and supply alignment with ILiAD's Phase 3, launch and commercial demands of volumes, timelines, COGS, etc.
- **GMP Manufacturing & Supply Oversight (Internal & External):** Oversee all aspects of GMP manufacturing for a live attenuated intranasal bacterial vaccine including integration of the unique process needs associated with live biological products.
- **BioLyo Operations Leadership:** Oversee and manage ILiAD's BioLyo operations.
- **Technology Transfer & Process Development:** Ensure robust tech transfer from R&D including documentation packages and manufacturing processes/procedures (including control strategies), process characterizations, etc.
- **Process Scale-Up & Validation:** Lead manufacturing process scaleup and validation activities required to support Phase 3 supply through commercialization.
- **Quality & Compliance Partnership:** Serve as a senior partner with Quality Assurance and Quality Control to ensure GMP compliant manufacturing, inspection readiness, and adherence to global regulatory expectations for LBPs and vaccines.

Qualifications and Experience

- **Education:** Advanced degree (PhD or MS) in Biochemical Engineering, Microbiology, Pharmaceutical Sciences, or a related field.
- **GMP Manufacturing & Technical Operations Leadership:** 15+ years of experience leading operations in biopharma, including internal and external GMP manufacturing or Technical Operations/Manufacturing Science & Technology. Experience advancing clinical programs from mid-stage through commercial manufacturing and supporting regulatory inspections preferred.
- **Product & Process Platform Expertise:** Experience with live biological products, vaccines, or microbial systems strongly preferred given ILiAD's LBP platform. Proven expertise in process development, scale-up, tech transfer, and commercial readiness for biologics, with experience in lyophilized formulations and stability programs.
- **Multi-Site Operations Leadership:** Ability to lead operations across multiple internal and external sites, including integration and oversight of CDMO partners.
- **Strategic Decision-Making & Execution:** Ability to collaborate effectively with key stakeholders to make risk-based strategic and operational decisions and communicate clearly to drive alignment and execution.
- **Problem-Solving:** Demonstrates sound judgment and takes thoughtful, timely action when addressing complex challenges.
- **Remote Leadership:** Ability to effectively lead and manage distributed teams using web-based communication and collaboration tools.
- **Travel:** Must be capable of as much as 25% travel