

Genesis

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Executive Summary

Genesis, Nucleate's Education Initiative, aims to equip students specializing in biotech and bioengineering with the **knowledge, skills, and network** needed to transform scientific breakthroughs into concrete solutions for patients, through venture creation or commercial licencing.

Who are we?

Nucleate is a **global nonprofit organization** founded in 2019 by the **Harvard Biotech Club in Boston**, Massachusetts. It empowers students and researchers to transform scientific discoveries into biotech ventures through programs like **Activator** and **Genesis**. Since its inception, Nucleate has expanded worldwide, launching over **250 bioventures and raising \$180M+**. Each chapter tailors lecture-based courses, hands-on training, and professional development to its regional biotech ecosystem.

Why?

Today's scientific breakthroughs drive the formation of tomorrow's life science companies. An idea can change the world and create the next-generation of transformative therapeutics. How exactly does one go from an idea to a viable life science venture? **To the typical Master or PhD trainee, this process proves to be remarkably opaque.** We aim to demystify this process with Genesis, through a series of workshops, training sessions, and success stories, students will learn key strategies for **research valorization, intellectual property protection, and entrepreneurial growth** in life sciences and technology.

How?

4 theoretical lectures will cover key topics such as product development, intellectual property protection, and the role of investment funds in fostering innovation. Participants will also learn how to perform market analysis and deliver effective investor pitches. Additionally, participants will get to know and hear **4 testimonials of founders and bioinnovators** who shaped the industry with their work ranging from microsurgery to biotech and wearable robotics—offer practical insights. Last, participants will go through a mock venture creation process under the guidance of speakers and mentors to gain a deeper understanding and hands-on experience. At the end of the course, participants are expected to be equipped with sufficient knowledge and experience to embark on their own venture creation journey.

A unique opportunity for Growth and Innovation

Genesis is an exceptional journey for those who want to learn how to transform their research into a successful entrepreneurial venture. By understanding market dynamics and the pivotal role of investments, participants will gain the skills needed to tackle the challenges of innovation with confidence. Thanks to the contribution of experts, researchers, and entrepreneurs, **they will be equipped with the tools to turn ideas into reality.**

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