



# **BNA'25**

## **Blackwell's Labyrinth**

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**Brief Study Guide**

# Blackwell's Labyrinth

“**Blackwell's Labyrinth**” is the medical module at Beaconhouse Notion of Academia '25, intricately designed to involve delegates in the ever-evolving field of medical science. This module tests cutting-edge disciplines such as biotechnology, drug synthesis, and pharmacology, enriching its established foundation in diagnostics, treatment planning, and emergency medical response. It is a launchpad for aspiring medical leaders to develop the skills, mindset, and resilience needed to thrive in the rapidly advancing world of medicine and life sciences.

## Round

1

The first round, titled “**Clockwork Compounds**”, encourages delegates to step into the shoes of biotech experts and pharmacologists, tasked with a pivotal challenge. Each team will be assigned an organ and disease, tasked with developing an innovative drug to tackle the condition. Delegates will use their knowledge of drug synthesis and metabolic pathways to create and test their drug, but a mutation twist revealed in the midst of the round will require quick adjustments under time constraints. At the end of the round, delegates must submit a detailed report outlining their drug, its delivery method, synthesis process, mechanisms of action, potential side effects, and the adaptations made in response to the mutation twist.

**Delegate Cap:** 3 per team

2

The second round, titled “**The Outbreak**”, is a fast-moving, high-pressure scenario where delegates must

respond to a sudden virus outbreak wreaking havoc. With time ticking away, delegates will identify a virus through challenging questions and puzzles, testing their knowledge of infectious diseases. After identifying the virus, they must create a medical response plan to contain the outbreak, ensuring it encompasses medical strategies alongside ethical considerations. The round will then move to hands-on practice, where delegates demonstrate CPR and first aid skills. Throughout, they must stay calm under pressure, tackling both theoretical and practical aspects of viral containment and emergency response.

**Delegate Cap:** 4 per team

3

The third round, titled "**Medicus Ex Machina**", challenges delegates' diagnostic acumen, clinical reasoning, and ability to manage patient interactions under pressure. In this high-stakes simulation, delegates will analyze CT scans to identify abnormalities, distinguishing between benign and malignant conditions. After making a diagnosis, they will deliver the news to the patient with professionalism. The round then shifts to hands-on practice, where delegates perform mock biopsies and analyze abnormal cells. A psychological twist is added as delegates spin a wheel to interpret a psychological case study.

**Delegate Cap:** 3 per team

**Note:** *The information in this document is subject to changes.*