

Talk abstract on Science activism, citizen science, and partnerships with society:

Synthetic biology holds vast potential for transformative applications, yet its complexity can make it challenging for the general public to approach. Our team seeks to bridge this gap by developing educational tools that present essential concepts in an engaging, accessible way. Through interactive workshops, participation in Kulturnatten, and social media outreach, we reached diverse audiences, sparking interest and facilitating dialogue around synthetic biology. A core focus of our workshops, particularly aimed at high school and middle school students, is to cultivate critical thinking and problem-solving skills. Additionally, we conducted an ethical discussion to prompt students to consider the societal implications of advancements in synthetic biology. These workshops engage students in hands-on activities that foster a well-rounded understanding. Additionally, we developed a synthetic biology-themed card game as an interactive learning tool. This game invites players to explore foundational principles and practical applications, making complex scientific ideas accessible and enjoyable. By combining direct engagement with innovative educational resources, our team aims to demystify synthetic biology, inspiring broader appreciation and thoughtful participation in this evolving field.