

Transcript

[00:00:05] The colorful soap bubbles and sunlight result from thin film interference, in which light is reflected from the soap bubble surface of various film thicknesses.

[00:00:15] Likewise, biolayer interferometry, or BLI, is a label free detection technology based on thin film interference. As an essential tool for biopharma and life science research, BLI has been applied to all stages of biotherapeutic development.

[00:00:39] In late 2001, inspired by a newspaper report on the latest progress in nanotech and biotech, Dr. Hong Tan decided to develop biosensors for life sciences and diagnostics.

[00:00:54] Before long, he founded the first biolayer interferometry technology company and went on to create a prototype. These efforts paid off with support from Agilent and venture capital firms in Silicon Valley.

[00:01:08] In 2006, the first BLI system made its debut and was well received. In the following years, BLI technology expanded globally, gaining worldwide acceptance.

[00:01:25] Today, the drug discovery sector has maintained strong growth, benefiting from utilizing BLI technology as it plays a critical role in R&D.

[00:01:33] To meet the growing needs for BLI Technology, Hong Tan and Robert Zuk, together with a team of engineers and scientists who designed the first BLI system, launched Gator Bio.

[00:01:44] Gator Bio's first system and a broad range of biosensors were released in 2019, which has been used by laboratories worldwide to help scientists study life sciences and seek solutions to diseases.

[00:02:05] Since the outbreak of the COVID-19 pandemic, Gator Bio has provided the Gator systems to advanced research laboratories, ramping up R&D efforts for COVID-19 vaccines and antibody drugs in the fight against the virus.

[00:02:22] As a pioneer of next generation BLI Technology, Gator Bio will create more innovative products and applications that accelerate the development of biotherapeutics.