

# Targeted Drug Delivery for Neurological Diseases: The SiNON Nano Sciences Journey



**Afreen Allam, MBA**

**Founder & CEO**

**SiNON Nano Sciences**

## Biography

Afreen Allam is a biotech entrepreneur dedicated to revolutionizing drug delivery through nanotechnology. She is the Founder & CEO of SiNON Nano Sciences, a company focused on developing targeted nanocarriers to improve the efficacy and safety of drug delivery, particularly for neurological diseases and oncology. Afreen holds an MBA and has an extensive background in nanomedicine, biotechnology, and venture development. Her innovative work has earned her multiple recognitions, including winning the Startup Stadium at BIO in San Diego. She has successfully led SiNON through various milestones, from breakthrough preclinical research to strategic industry collaborations. With a deep passion for advancing healthcare accessibility, Afreen is committed to bridging the gap between cutting-edge science and real-world patient impact. Her leadership at SiNON is driven by a mission to bring life-changing treatments to patients who need them the most.

## Abstract

**SiNON Nano Sciences** specializes in a patented Carbon Nano Particle (CNP) drug delivery system, engineered for the targeted treatment of Central Nervous System (CNS) diseases. Our innovative tunable platform can encapsulate multiple therapeutics, including biologics up to 500kD, and efficiently transport them across the blood-brain barrier (BBB) to treat a range of neurological disorders. What sets our technology apart is its precision-controlled release mechanism—our CNPs only open at the site of disease, allowing for higher localized drug concentrations while dramatically reducing systemic toxicity and enhancing therapeutic efficacy. Additionally, our carbon-based nanoparticles evade immune detection, ensuring prolonged circulation and optimized drug delivery. Our mission is to transform patient outcomes by enabling safer, more effective treatments with fewer side effects.

**Monday, Mar 24, 2025**

**11:00 am - 12:00 pm (ET)**

Register in advance for this webinar: [Zoom](#)



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