

**Firm name: Bubbles & Café Inc.**

**Project title: Leveraging Spintronics, Spin-Based Quantum Sensors, and Optimization of Fluid Dynamics for Enhanced Nanocrystal Growth in Microgravity**

To:

NASA SBIR Ignite Program Team

From:

Ilakkuvaselvi Manoharan

CEO, Bubbles & Café Inc

990 Shoreline Dr

Phone: 309 363 7732

Email: Ilakk2023@gmail.com

Subject: Letter of intent to provide funding should the Phase II project be successful, and the market need still exists.

Dear NASA SBIR Ignite Program Team,

I am writing to express our strong intent to provide funding for the proposed project, "Leveraging Spintronics, Spin-Based Quantum Sensors, and Optimization of Fluid Dynamics for Enhanced Nanocrystal Growth in Microgravity," should it advance to Phase II and continue to address a market need. As the CEO of Bubbles & Café Inc, I am deeply committed to supporting pioneering initiatives that have the potential to drive innovation and contribute significantly to both scientific knowledge and practical applications.

The project's vision aligns perfectly with our company's values of advancing technology and fostering research that can lead to tangible societal benefits. We recognize the profound implications this research may have for various high-tech industries, including electronics, photonics, catalysis, and beyond. The ability to precisely control nanocrystal properties under microgravity conditions could unlock a new era of customized materials with enhanced performance characteristics, and we are excited to be a part of this endeavor.

Furthermore, we appreciate NASA's dedication to advancing cutting-edge technologies through programs like SBIR Ignite. The agency's commitment to fostering collaboration between government, industry, and small businesses is invaluable in driving progress and addressing complex challenges.

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Thank you for considering our letter of intent, and we remain excited about the possibilities that lie ahead.

Feel free to contact me at [Ilakk2023@gmail.com](mailto:Ilakk2023@gmail.com) for further discussions.

Thank you for your consideration.

Sincerely,



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Ilakkuvaselvi Manoharan  
CEO, Bubbles & Café Inc.

Date: Sep 19, 2023