



# Infinitesimal, LLC

Company Logo Goes Here

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## Company Profile

**Industry Sector:** Life Sciences – Keywords: transfection, electroporation, single cell, temporal cell analysis, microfluidic

**Company Overview:** Nanotechnology start-up founded in 2011 with exclusive global license from Northwestern University. Primary technology is the proprietary “nanofountain probe electroporation” (NFP-E), a microfluidic system for transfection of individual cells by localized electroporation. Five patents filed, four issued and the fifth to be issued.

**Target Markets:** Academia, Biotech, Pharma



## Key Value Drivers

**Technology:** NFP-E is the first automated tool for precise cell transfection, bringing novel capabilities for biotech research, gene editing, monoclonal cell line development, and cellular therapies

**Competitive Advantage:** NFP-E provides transfection with cell selectivity, dosage control, real-time monitoring, and low toxicity

**Plan & Strategy:** Seeking a strategic partner for product commercialization



## Management

**Leadership:**

Horacio Espinosa, PhD, President  
Dora Espinosa, MBA, Vice President for Operations  
Rebecca McNaughton, PhD, Director of R & D

**Scientific Advisory Board:**

Horacio Espinosa, PhD  
Mike Moldovan, PhD

**Business Development Advisors:**

Chicago Innovation Mentors (Suseelan Pookote, PhD;  
Steve Kuemmerle, PhD; Konstantin Kostov, PhD)



## Development Plan

**1. Product One:** Manual system (Direct sales to academic labs and research institutes for basic research and cell line development, estimated launch in 8 months)

**2. Product Two:** Automated system (Direct sales and sales partnership to academia and biotech/pharma for applications such as gene editing and cell line development, estimated launch in 12 months)

**3. Product Three:** Integrated system (Needs VC funding and sales partnership in biotech/pharma market for cellular therapeutics and drug testing)



*Small Business Innovation Research (SBIR)*  
*Small Business Technology Transfer (STTR)*

National Institutes of Health  
Commercialization Assistance Program (NIH CAP)

