11-TTAG-028

Company Name	SFC Fluidics
NAICS	334516
Address	535 W. Research Center BLVD Suite 135
City	Fayetteville
State	AR
ZIP	72701
County	Washington
Number of Employees	18
Year Established	2002
Company Web Site	http://www.sfc-fluidics.com
Contact Person	Calvin Goforth
Title	President
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Secondary Contact Name	Mark Kidd
Secondary Contact Title	Vice President of Finance and Administration
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Resource Provider	SFC-Fluidics, LLC
RP Address	535 W. Research Center BLVD Suite 135
RP City	Fayetteville
RP State	AR
RP ZIP	72701
RP County	Washington

RP Project Contact	Mark Kidd
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Project Area	Biotechnology, Bioengineering, Agriculture and Life Sciences - 17 - Other Medical Biotechnologies (Please provide short description in box provided below)
Project Area Brief Description	An innovative bioengineering approach to developing a long term, implantable, refillable opthalmic drug delivery system capable of producing steady-state, targeted therapy using non-mechanical microfluidic pumping from a peri-ocular reservoir.
Federal Agency	U.S. Department of Health and Human Services
Project Title	11-TTAG-028 - Use of nanoporous membrane in ePump
Competitive Challenges	SFC Fluidics® LLC is focused on the development of unique microfluidic technologies that enable ever more powerful miniaturized analytical tools, laboratories-on-a-chip, clinical diagnostics, and life science research instruments. SFC Fluidics' patented and patent pending microfluidic pumping technologies provide controlled, reliable fluid flow and liquid delivery in the challenging nanoliter-per-minute to microliter-per-minute flow range. Precise control of such minuscule quantities and flow rates is essential for the practical realization of miniaturized instruments like point-of-care diagnostic devices, remote monitoring systems for chemical/bio-defense, and medical dosing systems.
Specific Problem	NIH-SBIR- Phase 1
Solution	To develop and refine a prototype device to deliver a steady state drug flow into the anterior chamber of the eye, using non-mechanical microfluidic pumping technology to transport drug from a peri-ocular reservoir for the treatment of chronic and potentially blinding ocular diseases.
Implementation Plan	The long Term objective of the project is to test and refine a prototype device engineered to deliver a steady state flow of drug into the anterior chamber of the eye, using non-mechanical, electrochemical pumping technology to transport drug from a peri-ocular reservoir
Maintenance Plan	SFC, LLC will maintain the solution by obtaining any federal regularity. Also,

	SFC-Fluidics will partner with manufacturing services to help produce the product commercially. We will also seek investment funding.
Step 1	Preparatory Work -Define research and objectives - Outline Proposal - Discussions with funding agencies - Literature search and review - Identification of potential users and partners
Step 1 Time	20.00
Step 1 Budget	$1,000
Step 2	Proposal Content Development - Technology description and significance - Work plan development - Budget development - commercialization plan
Step 2 Time	50.00
Step 2 Budget	$2,500
Step 3	Final Proposal Preparation - Proposal Review - Formatting and Proofreading - Letters of support, consultant letters - Agency Forms - Cover letters, Copies, Mailing
Step 3 Time	100.00
Step 3 Budget	$1,500
Increased Sales	$0
Retained Sales	$0
CS Inventory	$0
CS Labor	$0
CS Materials	$0
CS Other	$0
II Plant	$0
II IS	$0
II Workforce	$0
II Research	$150,000
II Other	$0
AUI	$0
SOI	$0

Job Retention	1
Job Creation	1
YN 90Days	No
YN Affiliation	Yes
YN Agreement	No
YN Total Project Price	Yes
Explain Total Project Price	
YN Cash Match Agreement	Yes
Copied	No
TTAG ID	11-TTAG-028
Signature Panel - RP AR Name	Mark Kidd
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Signature Panel - Enterprise AR Name	Calvin Goforth
Enterprise - Email	calvin.goforth@sfc-fluidics.com
Signature Panel - Enterprise AR Email	calvin.goforth@sfc-fluidics.com
Include in Batch	Yes
Batch Number	NA
Application Status	Pending
Organization	ASTA
BatchTest	Processed
Batch Date	
Set Batch Number	
Lvl4	No
Application Description	8-Biotechnology, Bioengineering & Life Sciences
SBIR-STTR	Yes