

Please note this document is provided as a preview only. Please submit your application using the online platform linked from the SPARK|REACH website

Page: Applicant Information

First Name *

Last Name *

Job Title *

Co-Investigator *

This proposal has a co-investigator

Select one option

- Yes
- No

Co-Investigator Name

Co-Investigator Job Title

Co-Investigator Institution

Co-Investigator Department

Co-Investigator Email

Resubmission *

Have you submitted an application to SPARK in the past, that was not funded?

Select one option

- Yes
- No

Summary of Resubmission *

How does this resubmission differ from the last application?

Follow-on Funding *

Have you been funded by the SPARK program in the past?

- Yes
- No

Summary of Follow-on Request *

What did you accomplish with the previous SPARK award and why do you need additional funding? Note that if you have been funded in the past by SPARK, or by the State of Colorado Office of Economic Development & International Trade Advanced Industries Proof of Concept Grant, additional SPARK Award funding might be restricted by maximum award limitations for the same project. Please contact Claire.mcdonald@cuanschutz.edu for more information.

Prior NIH Support *

Was the discovery phase of the technology supported by NIH funds?

- Yes
- No

Prior Federal Support *

Was the discovery phase of the technology supported by other federal funds?

- Yes
- No

Page: SPARK 2023 Application

Please complete the required sections below to submit a proposal. Full proposals should not exceed 12 pages for the sections listed on this page, when generated in pdf. You can access the review form that the external review board will complete here (<https://www.ucdenver.edu/sites/spark/resources/spark-documents>).

Supporting documents include the completed budget template and justification, NIH format biosketches for key personnel, institutional contact information and authorization, and the compliance form. Supporting documents are not included in the page limit. If you have difficulty answering any of the questions, please work with the representatives within the SPARK|REACH team for assistance.

Project Title *

Project Abstract *

Provide a brief description of your project addressing the following topics:

- Problem Description (unmet need)
- Intended Customer (end user/patient population)
- Solution (envisioned technology)
- Proposed work to achieve solution
- Milestones (with go/no-go gates)
- Deliverables (expected outcomes) within time and budget proposed
- Team strengths

Background *

Describe the scope and nature of the problem the technology will be designed to address and give a brief description of the solution. Some elements to include are the disease burden, market space in which the product would operate, and comparison of your solution to the current and predicted standard of care, including target product profile if applicable.

Unmet Need *

Clearly state the unmet need being addressed by the technology and provide evidence to support the need from multiple stakeholders perspectives (ex. patient, clinician, payer).

Proposed Product/Solution *

Describe the proposed solution, the setting in which it will be utilized (ICU, in-patient, out-patient, primary care physician, etc.), and the primary patient population / indication for use. Characterize the expected benefit from the technology and how it will enhance current or predicted (when this product will be on the market) standard of care or replace the current standard of care. What is the evidence to support the expected benefit? Provide a brief synopsis of your preliminary data. You can upload up to three supporting files below.

Supporting Figures

Do you have supporting figures for your product?

Select one option

- Yes
- No

Product Figure #1

[File Upload]

Product Figure #2

[File Upload]

Product Figure #3

[File Upload]

Market Size *

Define the total and addressable market size, and target price of the technology. Support your market size and descriptions with evidence about current technologies or approaches to address this indication. Define a specific patient segment of those suffering from the specific targeted disease. What are the market population trends and projections?

Competitive Landscape *

Define the competition mix (companies, products, substitutes and shifting landscape) for the technology. Think particularly about how the disease will be treated when the technology/product gets to market. How is the landscape shifting or projected to shift?

Intellectual Property *

Have you submitted an invention disclosure? Has the technology transfer office taken an action on the intellectual property? Include a list of the IP filed or granted, and how it is connected with the commercialization plan. Include the following information for all IP:

1. Title
2. Status
3. Date
4. Claims

Differentiation *

Explain how the proposed technology is better than current options/technologies and is an advancement in the current market direction. Provide data to support this, and in lieu of actual data, describe what data would be needed to justify the differentiation. Describe how it's better than current options/technologies, including those currently in clinical trials.

Regulatory Path (if applicable) *

Describe the expected regulatory pathway for the technology and identify which FDA division will regulate the technology. Describe foreseeable regulatory risks or accelerated programs that could impact the technology development. Comment on the clinical trials considerations and how those might impact the regulatory approach. Please also include information on technologies that are currently in development by other companies. Note: Please complete this section to the best of your ability but a perfect answer is not expected.

Reimbursement Path (if applicable) *

Define similar product(s)/service(s) that is (are) currently being covered for the indication your technology targets and identify relevant CPT/DRG/ARC Codes and their reimbursement rates. If no code exists, how will the technology be paid for? Note: Please complete this section to the best of your ability but a perfect answer is not expected.

Funding Requirements *

Identify how much funding is needed to get the technology to a viable 'exit' or inflection point for commercial investment. Define the funding requirements to achieve each milestone and each go/no-go decision point for the proposed project. Projecting beyond the completion of the proposed project, estimate key milestones that need to be achieved and the total funding required to bring the product to a commercial exit. Include an estimate of the long-term return on the overall investment.

Project Plan *

Provide a brief outline of your overall project plan including key intermediate milestones and the final technology transfer outcome to be achieved at the completion of the project. Identify go/no-go decision points and potential pivot points within the plan. Explain how this project plan fits into the overall product development plan. Explain how achievement of each milestone increases the value of the technology.

Potential Risks and Mitigations *

Define the potential risks (scientific, technical, personnel, market, and commercialization) that exist for the product development and the mitigation processes available to the innovator team or in place to correct for these.

Personnel *

Provide institutional affiliation, relevant background and expertise of the individuals on the team and explain how their backgrounds inform their ability to succeed at this stage of the product development. Consider how they will impact future product development. What expertise will be needed for future product development?

References List Upload

Please upload a list of references. Feel free to use this list for references made throughout your application.

[File Upload]

Page: Supplementary Information

Please complete and upload the following items. For item #1, use the template provided in the link listed below. Standard NIH Biosketches can be used for item #3.

1. Budget and timeline
2. Budget justification
3. Biosketches for key personnel
4. Other supplementary information

1. Budget and Timeline *

[File Upload]

2. Budget Justification *

[File Upload]

3. Biosketches *

[File Upload]

4. Other Supplemental Information

[File Upload]

Page: Compliance Form

First Name *

Last Name *

Bootcamp

Did you participate in the bootcamp?

- Yes
- No

Financial Overlap *

Is there scientific, budgetary, or time commitment overlap between this project and others? If yes, any overlaps will have to be resolved before funds will be released to awardees.

- Yes
- No

Human Subject Use *

Does this project use human subjects?

If yes, a human Institutional Review Board (IRB) approval letter must be received by the SPARK Team before funds will be released to awardees.

- Yes
- No

Animal Use *

Does this project use animal subjects?

If yes, an Animal Care and Use Committee (IACUC) approval letter must be received by the SPARK team before funds will be released to awardees.

Select one or more options

- Yes
- No

Human Embryonic Stem Cells *

Does this project use human embryonic stem cells?

Select one or more options

- Yes
- No

Commitment *

Are you willing to commit a minimum of 10 hours per month to commercial development activities, meetings, seminars, and events, in addition to lab-based product development/ideation?

Select one or more options

- Yes
- No

Personal Objectives

SPARK's mission is to advance academic discoveries from laboratory to create patient impact. Please briefly make the case that you and your team are a good fit and would benefit from the program.

PI Signature *
