PROJECT CATEGORY:

> BioTech

STARTUP:

> Laborecom Therapeutics Inc.

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RESEARCH AREA:

> Laborecom Therapeutics Inc. is a biotech company with the mission to successfully treat ischemia reperfusion injury. A therapy for reperfusion injury will transform the treatment of conditions such as heart attack, stroke, transplant, and hemorrhagic blood loss.

PROJECT TITLE:

> Pipeline Analysis for Ischemia Reperfusion Injury

PROJECT DESCRIPTION

Everything that has been attempted in ischemia reperfusion injury has failed. Differentiating our product from all other failed therapies requires a comprehensive map to be developed comparing our molecule, TAT-KLC1c, to all other therapies that have been tried in the past. In this project, we will have an intern help us create an extensively detailed pipeline and failed product analysis. This will involve research and analysis combining scientific understanding of products with outcomes in clinical trials and preclinical studies. The intern will spend several weeks categorizing and evaluating failed technologies as well as current technologies in the pipeline, leveraging results from top tier databases of biomedical technologies as well as clinical trial results.

JOB EXPECTATIONS:

The intern will produce a comprehensive analysis of ischemia reperfusion targeted therapies in the fields of heart attack, stroke, transplant, and blood loss. This analysis will include a presentation of findings as well as a detailed comparison to Laborecom Therapeutics central technology, TAT-KLC1c. These findings will directly translate into strategic decisions for Laborecom Therapeutics.

DESIRED EXPERIENCE:

- Advanced biology course (beyond high school level biology)
- An interest in biomedical/life science technologies
- At least 1 year of research experience with a faculty advisor

- Comfortable with data analysis using Microsoft excel. Preferred to also have experience with a programming language (e.g. Matlab, python, R)

TIME COMMITMENT:

TBD

TRAINING MENTORING:

- Training in biotech data analysis, similar to how venture capital and biotech business development specialists analyze new technologies
- Guidance and training in immunology and all scientific information needed to analyze the technology
- Experience presenting conclusions in company meetings
- One-on-one mentorship and guidance directly from the company CEO

ADDITIONAL INFORMATION:

1) this project is contingent on the negotiation of an option with Northwestern

2) the company is in the very early stages. This will not involve significant lab work, and while in-person interaction will be part of the experience, the work will be primarily computer work