

Saket Mereddy
UNC – FSI
501 20th Street, CB 123
Greeley, CO 80639

June 23, 2016

Dr. Davidson:

I would like to thank you again for the money you have invested in me this summer. Participating in FSI has expanded my breadth of knowledge in the STEM fields. This summer we visited various different sites, and enjoyed a varying array of different guest lectures. The amount of science that has been exposed to me was immense, and I feel that I have exited this program with an amazing foundation in all areas of STEM.

Since my time here at FSI has concluded, my research project progress has halted. My research was concerning the chemical synthesis of 3, 5-disubstituted Δ^2 -isoxazoline compounds to combat the onset and progression of Type 1 diabetes. We were trying to find the absolute best way to synthesize the isoxazoline compound, to yield for further biological testing. Since Type 1 diabetes is caused by the antagonism towards the beta cells and is progressed by the cytokine MIF (macrophage migration inhibitory factor), the goal is to have our synthesized compound interact and regulate MIF, which hopefully could prevent the onset of Type 1 diabetes, or limit the progression of the disease.

I entered this program aiming to verify my interest in biochemistry. After my research, I have concluded that biochemistry has turned from an interest to a passion. I got to perform a biochemical research project that most graduate students fight for, and I could not be more grateful for your investment in me. The trust and funds you have placed in me are immense and have only added to my confidence and abilities in the STEM field.

Lori told me that you would not be able to attend this year's open house poster session, and I would like to say thank you for making an attempt to come out again this year. As the director of St. Mary's hospital, I can imagine that the schedule you have is almost never empty. Thus, next time you come to Denver please let me know, as I would love to meet with you personally and talk about my research that you helped make possible. Also, since my research

will not be presented to you, I have posted all the components of the research on my website that can be found on FSI's site. My poster, full paper, and soon to be a recording of my formal presentation will all be there as well. I've also included below the direct link to my website as well as my contact information.

Thank you once again for instilling your trust in me and funding my participation. I truly hope we meet someday!

Sincerely,

Saket Mereddy

2016 Brian Davidson Health Sciences Scholar

Research funded by Xcel Energy

Website Address: <http://saketmereddyisoxazoline.weebly.com/>

E-Mail Address: Removed for privacy purposes

Phone Number: Removed for privacy purposes