

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
Syed Musab Kazmi	
-	J0914
Project Title	
The Road to the Artificial Pancreas	
Objectives/Goals Abstract	
In this project, I want to make an Artificial Pancreas that can be used for any pa Diabetes. Instead of using actual insulin and glucose I will test the artificial pan	
represents high glucose levels and baking soda which represents insulin.	creas with vinegal winch
Results	wrogo amount of time it
The three amounts of vinegar used in this project are 200, 230, and 250 ml. Average amount of time it took to neutralize all of them after 10 trials each was 4:31, 5:12, 5:39 minutes respectively and always	
started the neutralization instantly. None of the three caused any problems the artificial pacreas Conclusions/Discussion	
This confirms that this type of an artificial pancreas can work on many people a	s long as there is an
undesired amount of glucose (vinegar). This also means that the device will be	quick and will give the
right amount of insulin or baking soda in a short amount of time whenever is ne is an undesired amount of glucose to turn on.	eded. All the device needs
Summary Statement	
I created an artificial pancreas that can be used for any patient with type 1 Diab	etes
Help Received	notoniala for the must t
My adviser Mrs. Alkhawaja helped on deciding my project, my family got the materials for the project and helped on the research of the project	