

Santiago Canyon College	Year 1	Year 2	Year 3	TOTAL
A. SENIOR PERSONNEL				
Co-PI/Project Manager, Dr. Denise Foley: \$4,000 stipend to oversee project implementation on SCC	\$ 4,000	\$ 4,000	\$ 4,000	\$ 12,000
B. OTHER PERSONNEL				
Student Assistants (labs, supplemental instruction): \$10.75/hr x 200 hrs	\$ 2,150	\$ 2,150	\$ 2,150	\$ 6,450
TOTAL Personnel	\$ 6,150	\$ 6,150	\$ 6,150	\$ 18,450
C. FRINGE BENEFITS				
Faculty benefit rate, 13.78% (8.88% STRS; 1.45% Medicare; 1.00% H&W Ret Fd; 0.05% SUI; 2.40% WCI)	\$ 551	\$ 551	\$ 551	\$ 1,653
Student Worker rate, 3.9% (1.45% Medicare; 0.05% SUI; 2.40% WCI)	\$ 84	\$ 84	\$ 84	\$ 252
TOTAL Benefits	\$ 635	\$ 635	\$ 635	\$ 1,905
D. EQUIPMENT				
<i>SAC and SCC are proposing is to establish an industry-like biomanufacturing and quality assurance/control laboratory. This equipment will allow students to develop and become proficient at the common core standard skills.</i>				
pH Meters	\$ 6,000	\$ -	\$ -	\$ 6,000
rtPCR Thermocycler	\$ 19,535	\$ -	\$ -	\$ 19,535
CO2 Incubator	\$ -	\$ 6,500	\$ -	\$ 6,500
Inverted Confocal Microscope w/ Fluorecence	\$ -	\$ 12,686	\$ -	\$ 12,686
Spectrophotometers	\$ -	\$ -	\$ 6,000	\$ 6,000
TOTAL Equipment	\$ 25,535	\$ 19,186	\$ 6,000	\$ 50,721
E. TRAVEL				
ATE PI Conference: \$300 registration; \$600 flight; \$750 hotel (\$250/night x 3 nights); \$320 per diem(\$80 x 4 days); \$40 transportation to and from airport = \$2010	\$ 2,010	\$ 2,010	\$ 2,010	\$ 6,030
National Conferences STEM and CTE Educators: Bio-Links Annual Conference: \$775 (includes registration, food, and lodging); \$450 flight; \$50 transportation to and from airport = \$1,275	\$ 1,275	\$ 1,275	\$ 1,275	\$ 3,825
TOTAL Travel	\$ 3,285	\$ 3,285	\$ 3,285	\$ 9,855
F. PARTICIPANT SUPPORT COSTS				
	\$ -	\$ -	\$ -	\$ -
TOTAL Participant Support Costs	\$ -	\$ -	\$ -	\$ -
G. OTHER DIRECT COSTS				
1. Materials and Supplies				
Electroporator \$2,000: students will learn the electrophoration technique for transforming cells, which is a preferred method by industry.	\$ 2,000	\$ -	\$ -	\$ 2,000
TOTAL Other - Materials & Supplies	\$ 2,000	\$ -	\$ -	\$ 2,000

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3. Consultant Services				
	\$ -	\$ -	\$ -	\$ -
TOTAL Other - Consultant Services	\$ -	\$ -	\$ -	\$ -
5. Subawards				
	\$ -	\$ -	\$ -	\$ -
TOTAL Other - Subawards	\$ -	\$ -	\$ -	\$ -
TOTAL Other	\$ 2,000	\$ -	\$ -	\$ 2,000
H. TOTAL DIRECT COSTS (A THROUGH G)	\$ 37,605	\$ 29,256	\$ 16,070	\$ 82,931
Modified Total Direct Costs (excludes equipment, participant support and sub-award amounts beyond \$25,000)	\$ 12,070	\$ 10,070	\$ 10,070	\$ 32,210
I. INDIRECT COSTS				
<i>28% federally approved indirect cost rate. Modified total direct costs excludes equipment, participant support costs as well as the portion of each subgrant and subcontract in excess of \$25,000.</i>	\$ 3,380	\$ 2,820	\$ 2,820	\$ 9,020
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)	\$ 40,985	\$ 32,076	\$ 18,890	\$ 91,951