

MTDC 280,914 186,109 239,353 706,376

**Rensselaer Polytechnic Institute**  
**Cost Estimate Summary: Three Years**  
 Period: ( 06/01/2018 - 05/31/2021 )

Proposal No. 9942

Nov-17

	Year One	Year Two	Year Three	Total
<b>PERSONNEL</b>				
Principal Investigator (B. W. Bequette)				
academic - 9 mos @ %				
summer - 5 wks @ 100%				
Co-Principal Investigator (N. Baysal)				
academic - 9 mos @ %				
summer - 3 wks @ 100%				
Research Scientist (F. Cameron)				
calendar - 12 mos @ 75%	49,695	50,689	51,703	152,087
Graduate Research Assistant(s)				
tuition (1, 1, 1)	18,345	18,345	18,345	55,035
stipend (1, 1, 1)	29,139	29,139	29,139	87,417
<b>TOTAL PERSONNEL PAYMENTS</b>	<b>\$123,669</b>	<b>\$124,804</b>	<b>\$125,961</b>	<b>\$374,434</b>
<b>FRINGE BENEFITS @ 29.1%</b>	22,170	22,500	22,837	67,507
<b>EQUIPMENT</b>				
Computer	3,000	0	0	3,000
<b>TRAVEL</b>				
Domestic: description	7,000	7,000	7,000	21,000
<b>OTHER DIRECT COSTS</b>				
Lab Supplies	10,420	12,150	63,900	86,470
Consultant Services	86,000	38,000	38,000	162,000
Computer Services	0	0	0	0
Subcontracts/Subgrants				
Stanford University				
Direct Costs	125,485	119,323	115,961	360,769
Indirect Costs	58,615	67,836	65,385	191,836
University of Colorado, Denver				
Direct Costs	112,146	116,969	109,656	338,771
Indirect Costs	62,240	64,918	60,859	188,017
Licensing Fees	0	0	0	0
<b>TOTAL DIRECT COSTS (NIH)</b>	<b>\$489,890</b>	<b>\$440,746</b>	<b>\$483,315</b>	<b>\$1,413,951</b>
<b>TOTAL DIRECT COSTS</b>	<b>\$610,745</b>	<b>\$573,500</b>	<b>\$609,559</b>	<b>\$1,793,804</b>
INDIRECT COSTS @ 62%	174,167	115,388	148,399	437,954
<b>TOTAL PROJECT COSTS</b>	<b>\$784,912</b>	<b>\$688,888</b>	<b>\$757,958</b>	<b>\$2,231,758</b>