A Scientific Study of Science:

A Research Proposal to the Federal Science Agency

Budget

**Salary and Fringe Benefits**

Senior Personnel:

PI:

Y1: Salary: $100,000 9-mo salary/9 mos. = $11,111 monthly salary \* 3 summer mos. = $33,333

\* .10 summer effort = $3,333

Fringe: $3,333 project salary \* 16.32% FRS rate = $544

Total: $3,877

Y2: $103,000/9 = $11,444 \* 3 = $34,333 \* .10 = $3,433

$3,433 \* 16.32% = $560

$3,993

Y3: $106,090/9 = $11,788 \* 3 = $35,363 \* .10 = $3,536

 $3,536 \* 16.32% = $577

 $4,113

Total PI salary and fringe: $11,983

Co-PI:

 Y1: Salary: $75,000 12-mo salary \* .25% annual effort = $18,750

 Fringe: ($18,750 project salary \* 16.64% ORP rate = $3,120) +

($15,169 annual family health rate \* .25 annual effort = $3,792) = $6,912

 Total: $25,662

Y2: $77,250 \* 25% = $19,313

 ($19,313 \* 16.64% = $3,214) + ($3,792 25% annual family health

insurance) = $7,006

$26,319

 Y3: $79,568 \* 25% = $19,892

 ($19,892 \* 16.64% = $3,310) + $3,792 = $7,102

 $26,994

 Total co-PI salary and fringe: $78,975

Total senior personnel salary and fringe: $90,958

Other Personnel:

Post-doc:

 Y1: Salary: $50,000 annual salary

 Fringe: ($50,000 \* 1.55% post-doc rate = $775) +$15,169 annual

family health insurance = $15,944

Total: $65,944

 Y2: $51,500

 ($51,500 \* 1.55% = $798) + $15,169 = $15,967

 $67,467

 Y3: $53,045

 ($53,045 \* 1.55% = $822) + $15,169 = $15,991

 $69,036

 Total post-doc salary and fringe: $202,447

Grad students:

 Y1: Salary: $25,000 \* 50% effort \* 2 students = $25,000

 Fringe: ($25,000 \* 0.1% grad student fringe rate = $25) + ($1,300 grad

student health insurance subsidy \* 2 students = $2,600) = $2,625

Total: $27,625

 Y2: $25,750

 ($25,750 \* 0.1% = $26) + $2,600 = $2,626

 $28,376

 Y3: $26,523

 ($26,523 \* 0.1% = $27) + $2,600 = $2,627

 $29,150

 Total grad students’ salary and fringe: $85,151

Total other personnel salary and fringe: $287,598

Total salary and fringe: $378,556

**Equipment**

Y1: Scientific Machine - $10,000

**Travel**

Domestic – Programmatic:

 Y1: Lodging: $100/night \* 2 nights = $200 \* 2 trips = $400 \* 2 people = $800

 Transportation: $45 \* 2 trips = $90 \* 2 people = $180

 Meals = $36/day \* 3 days = $108 \* 2 trips = $216 \* 2 people = $432

 Misc. = $50 \* 2 trips = $100 \* 2 people = $200

 Total Y1 travel: $1,612

 Y2: Same as Y1

 Y3: Same as Y1

 Total domestic programmatic travel: $4,836

Domestic – Conferences:

 Y2: Registration: $500 \* 2 people = $1,000

Lodging: $150/night \* 3 nights = $450 \* 2 people = $900

Transportation: $500 \* 2 people = $1,000

Meals: $36 \* 4 days = $144 \* 2 people = $288

Misc. = $100 \* 2 people = $200

 Total Y2 travel: 3,388

 Y3: Same as Y2

 Total domestic conference travel: $6,776

Total domestic travel Y1: $1,612

Total domestic travel Y2: $5,000

Total domestic travel Y3: $5,000

Total domestic travel: $11,612

International:

 Y2: Registration: $750

 Lodging: $150/night \* 4 nights = $600

 Transportation: $750

 Meals: $36 \* 5 = $180

 Misc. = $100

 Total Y2 travel: $2,380

 Y3: Same as Y3

 Total international travel: $4,760

Total travel: $16,372

**Tuition**

 Y1: $11,712 (27 hours) \* 2 students = $23,424

 Y2: $12,590 \* 2 = $25,180

 Y3: $13,535 \* 2 = $27,070

 Total tuition: $75,674

**Supplies**

Y1: $100 + $50 + $150 + $250 + $200 = $750

 Y2: Same as Y1

 Y3: Same as Y1

 Total supplies: $2,250

**Publication**

 Y2: $2,000

 Y3: $2,000

 Total publication: $4,000

**Subawards/Contracts**

FU: Y1: $50,000

 Y2: $50,000

 Y3: $50,000

SSC: Y1: $5,000

 Y2: $5,000

 Y3: $5,000

SCI: Y1: $30,000

 Y2: $30,000

 Y3: $30,000

Total subawards/contracts Y1: $85,000

Total subawards/contracts Y2: $85,000

Total subawards/contracts Y3: $85,000

Total subawards/contracts: $255,000

**Total Direct Costs:**

Y1: $243,894

Y2: $246,465

Y3: $251,493

 Total direct costs: $741,852

**Indirect Costs**

Y1:

 TDC: $243,894

 - Equipment: $10,000

 - Tuition: $23,424

 - Subawards > $25k: $25,000

 = MTDC base: $185,470

 \* 52% = $96,444

Y2:

 TDC: $246,465

 - Tuition: $25,180

 - Subawards > $25k: $ 50,000

 = MTDC base: $171,285

 \* 52% = $89,068

Y3:

 TDC: $251,493

 - Tuition: $27,070

 - Subawards > $25k: $50,000

 = MTDC base: $174,423

 \* 52% = $90,700

Total IDC:

TDC: 741,852

 - Equipment: $10,000

 - Tuition: $75,674

 - Subawards > $25,000: $125,000

 = MTDC Base $531,178

\* 52% = $276,213

**Total Project Cost**

Y1: $243,894 (direct costs) + $96,444 (indirect costs) = $340,338

 Y2: $246,465 + $89,068 = $335,533

 Y3: $251,493 + $90,700 = $342,193

Total: $741,852 + $276,213 = $1,018,065