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