

# SUMMARY PROPOSAL BUDGET

YEAR 1

ORGANIZATION <b>University of Hawaii</b>				FOR NSF USE ONLY				
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Philip Johnson</b>				PROPOSAL NO.		DURATION (months)		
				Proposed		Granted		
AWARD NO.								
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months			Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR		
1. <b>Philip Johnson - PI</b>				0.00	0.00	2.00	<b>26,222</b>	
2. <b>Matthias Fripp - co-PI</b>				0.00	0.00	1.00	<b>10,556</b>	
3. <b>Daniele Spirandelli - co-PI</b>				0.00	0.00	1.00	<b>8,222</b>	
4.								
5.								
6. ( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	<b>0</b>	
7. ( 3 ) TOTAL SENIOR PERSONNEL (1 - 6)				0.00	0.00	4.00	<b>45,000</b>	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1. ( 0 ) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	<b>0</b>	
2. ( 0 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	<b>0</b>	
3. ( 3 ) GRADUATE STUDENTS							<b>61,416</b>	
4. ( 0 ) UNDERGRADUATE STUDENTS							<b>0</b>	
5. ( 0 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							<b>0</b>	
6. ( 0 ) OTHER							<b>0</b>	
TOTAL SALARIES AND WAGES (A + B)							<b>106,416</b>	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							<b>6,754</b>	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							<b>113,170</b>	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT							<b>0</b>	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							<b>9,000</b>	
2. FOREIGN							<b>0</b>	
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ 0								
2. TRAVEL 0								
3. SUBSISTENCE 0								
4. OTHER 0								
TOTAL NUMBER OF PARTICIPANTS ( 0 ) TOTAL PARTICIPANT COSTS							<b>0</b>	
G. OTHER DIRECT COSTS								
1. MATERIALS AND SUPPLIES							<b>15,000</b>	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							<b>0</b>	
3. CONSULTANT SERVICES							<b>10,000</b>	
4. COMPUTER SERVICES							<b>0</b>	
5. SUBAWARDS							<b>0</b>	
6. OTHER							<b>0</b>	
TOTAL OTHER DIRECT COSTS							<b>25,000</b>	
H. TOTAL DIRECT COSTS (A THROUGH G)							<b>147,170</b>	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
<b>MTDC (Rate: 41.5000, Base: 147170)</b>								
TOTAL INDIRECT COSTS (F&A)							<b>61,076</b>	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							<b>208,246</b>	
K. RESIDUAL FUNDS							<b>0</b>	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							<b>208,246</b>	
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Philip Johnson</b>				FOR NSF USE ONLY				
ORG. REP. NAME*				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date Of Rate Sheet	Initials - ORG		

# SUMMARY PROPOSAL BUDGET

YEAR **2**

ORGANIZATION <b>University of Hawaii</b>				FOR NSF USE ONLY			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Philip Johnson</b>				PROPOSAL NO.	DURATION (months)		
				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1. <b>Philip Johnson - PI</b>				0.00	0.00	2.00	<b>26,747</b>
2. <b>Matthias Fripp - co-PI</b>				0.00	0.00	1.00	<b>10,767</b>
3. <b>Daniele Spirandelli - co-PI</b>				0.00	0.00	1.00	<b>8,387</b>
4.							
5.							
6. ( <b>0</b> ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	<b>0</b>
7. ( <b>3</b> ) TOTAL SENIOR PERSONNEL (1 - 6)				0.00	0.00	4.00	<b>45,901</b>
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. ( <b>0</b> ) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	<b>0</b>
2. ( <b>0</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	<b>0</b>
3. ( <b>3</b> ) GRADUATE STUDENTS							<b>62,644</b>
4. ( <b>0</b> ) UNDERGRADUATE STUDENTS							<b>0</b>
5. ( <b>0</b> ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							<b>0</b>
6. ( <b>0</b> ) OTHER							<b>0</b>
TOTAL SALARIES AND WAGES (A + B)							<b>108,545</b>
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							<b>6,888</b>
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							<b>115,433</b>
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
TOTAL EQUIPMENT							<b>0</b>
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							<b>9,000</b>
2. FOREIGN							<b>0</b>
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ <b>0</b>							
2. TRAVEL <b>0</b>							
3. SUBSISTENCE <b>0</b>							
4. OTHER <b>0</b>							
TOTAL NUMBER OF PARTICIPANTS ( <b>0</b> ) TOTAL PARTICIPANT COSTS							<b>0</b>
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							<b>10,000</b>
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							<b>0</b>
3. CONSULTANT SERVICES							<b>0</b>
4. COMPUTER SERVICES							<b>0</b>
5. SUBAWARDS							<b>0</b>
6. OTHER							<b>0</b>
TOTAL OTHER DIRECT COSTS							<b>10,000</b>
H. TOTAL DIRECT COSTS (A THROUGH G)							<b>134,433</b>
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) <b>MTDC (Rate: 41.5000, Base: 134433)</b>							
TOTAL INDIRECT COSTS (F&A)							<b>55,790</b>
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							<b>190,223</b>
K. RESIDUAL FUNDS							<b>0</b>
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							<b>190,223</b>
M. COST SHARING PROPOSED LEVEL \$ <b>0</b>				AGREED LEVEL IF DIFFERENT \$			
PI/PD NAME <b>Philip Johnson</b>				FOR NSF USE ONLY			
ORG. REP. NAME*				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

2 \*ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

# SUMMARY PROPOSAL BUDGET

Cumulative

ORGANIZATION <b>University of Hawaii</b>				FOR NSF USE ONLY		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Philip Johnson</b>				PROPOSAL NO.		DURATION (months)
				Proposed		Granted
				AWARD NO.		
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months		Funds Requested By proposer
				CAL	ACAD	SUMR
1. <b>Philip Johnson - PI</b>				0.00	0.00	4.00
2. <b>Matthias Fripp - co-PI</b>				0.00	0.00	2.00
3. <b>Daniele Spirandelli - co-PI</b>				0.00	0.00	2.00
4.						
5.						
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00
7. ( <b>3</b> ) TOTAL SENIOR PERSONNEL (1 - 6)				0.00	0.00	8.00
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. ( <b>0</b> ) POST DOCTORAL SCHOLARS				0.00	0.00	0.00
2. ( <b>0</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00
3. ( <b>6</b> ) GRADUATE STUDENTS						124,060
4. ( <b>0</b> ) UNDERGRADUATE STUDENTS						0
5. ( <b>0</b> ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6. ( <b>0</b> ) OTHER						0
TOTAL SALARIES AND WAGES (A + B)						214,961
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						13,642
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)						228,603
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)						
TOTAL EQUIPMENT						0
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)						18,000
2. FOREIGN						0
F. PARTICIPANT SUPPORT COSTS						
1. STIPENDS \$ <b>0</b>						
2. TRAVEL <b>0</b>						
3. SUBSISTENCE <b>0</b>						
4. OTHER <b>0</b>						
TOTAL NUMBER OF PARTICIPANTS ( <b>0</b> ) TOTAL PARTICIPANT COSTS						0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						25,000
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3. CONSULTANT SERVICES						10,000
4. COMPUTER SERVICES						0
5. SUBAWARDS						0
6. OTHER						0
TOTAL OTHER DIRECT COSTS						35,000
H. TOTAL DIRECT COSTS (A THROUGH G)						281,603
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)						
TOTAL INDIRECT COSTS (F&A)						116,866
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)						398,469
K. RESIDUAL FUNDS						0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)						398,469
M. COST SHARING PROPOSED LEVEL \$ <b>0</b>				AGREED LEVEL IF DIFFERENT \$		
PI/PD NAME <b>Philip Johnson</b>				FOR NSF USE ONLY		
ORG. REP. NAME*				INDIRECT COST RATE VERIFICATION		
				Date Checked	Date Of Rate Sheet	Initials - ORG

C \*ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET