

# **Course 3: Proposal Budget Preparation**

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### **STAR Course Announcements**

- STAR Certificate consists of 11 courses. To obtain a certificate, you must complete all 11 courses within two years.
- During this pandemic, the two-year period has been extended. Please reach out to **training@research.ucsb.edu** for any exceptions.
- Zoom classes will not be recorded for this 2022 series.
- Reminder to complete the STAR Evaluation (this will be emailed to registered participants).
- For any STAR Program questions, please contact Hilda Vasquez and/or Clarissa Cabrera at training@research.ucsb.edu

# Life Cycle of a Proposal/Award

WARD					
PROJECT PERIOR Period Period Period		Γ PERIOD		DUT	
SPONS REVIE ~6 moi	1st Budget Period	2nd Budget Period	3rd Budget Period	No Cost Extension	CLOSEOUT
Revised budget	Award	Supplement	Submit		Final
Pre-award	Technical	Technical	renewal		technical report
	SPONSOR  Revised budget  Pre-award	Sbonson  Sevised Budget Period  Revised budget Pre-award  Rechnical	PROJECT  Supplement  A Ward  Supplement	PROJECT PERIOD  1st 2nd 3rd Budget Budget Budget Period Period Period  Revised budget Pre-award Technical Technical Technical	PROJECT PERIOD  1st 2nd 3rd Budget Budget Period Period Period Period  Revised budget Dudget Dudget Technical Technical Technical Pre-award Technical

### **Budget Basics**

The budget is the financial representation of the proposal

#### All items must be:

- Allowable
- Allocable
- Reasonable

All budgets must be prepared in accordance with:

- Office of Management and Budget (OMB) Uniform Guidance
- UCSB Departmental Costing Guidelines

# Budget Categories DIRECT COSTS

+

INDIRECT COSTS (IDC)

**TOTAL COSTS** 

### **Direct Costs**

### Directly allocable to the project

- Salaries and wages
- Fringe benefits
- Equipment
- Travel
- Participant support
- Supplies and expenses
- Consultant costs
- Subawards
- Other direct costs

# Salaries and Wages For whom?

- Faculty
- Researchers
- Postdoctoral Scholars
- Graduate Student Researchers (GSR)
- Lab or Computer Technicians
- Research or Lab Assistants
- Undergraduate Students
- Other staff working <u>directly</u> on the project

### Salaries and Wages

**But NOT for** 

Clerical or administrative staff

### Salaries and Wages

### Information needed:

- Name (or TBN)
- Payroll title
- Actual salary rate (or salary rate based on UCSB salary scales – ap.ucsb.edu)
- Duration
- Percent time
- Escalation rate

# **Salaries and Wages**

					YEAR 1	YEAR 2	TOTAL
					07/01/22	07/01/23	07/01/22
					06/30/23	06/30/24	06/30/24
SALARIES:							
Tony Sta	rk, Professor III (Actual)						
2.0	smr mos @	100%	\$156,700	/annually	\$34,822		
2.0	smr mos @	100%	\$161,401	/annually		\$35,867	\$70,689
Jarvis, Re	esearcher I (Actual)						
12.0	mos @	50%	\$134,900	/annually	\$67,450		
12.0	mos @	50%	\$138,947	/annually		\$69,474	\$136,924
TBN, Pos	tdoctoral Scholar - Level 1						
12.0	mos @	100%	\$52,896	/annually	\$52,896		
12.0	mos @	100%	\$54,483	/annually		\$54,483	\$107,379
Peter Par	ker, Graduate Student Rese	archer, Step V	,				
3.0	smr mos @	100%	\$5,050	/monthly	\$15,150		
9.0	acad mos @	49%	\$5,202	/monthly	\$22,941		
3.0	smr mos @	100%	\$5,202	/monthly		\$15,606	
9.0	acad mos @	49%	\$5,358	/monthly		\$23,629	\$77,326
SALARIES TO	ΓAL:				\$193,259	\$199,059	\$392,318

# Fringe Benefits Composite Benefit Rates (CBR)

- First implemented Sept. 2018; current rates effective
   7/1/2021
- Pending approval from Department of Health and Human Services (DHHS)
- Directly associated with salary; rate is based on title.
- General information:
- https://bap.ucsb.edu/budget/composite-benefit-rates
- Chart found at:
- https://bap.ucsb.edu/budget/composite-benefit-rates/rate-tables

### **Fringe Benefits**

### Composite Benefit Rates (CBR)

#### Composite Benefit Rates (CBR)

2021 36.2% 8.9% 3.5%	2020 Effective 7/1/2021 2022 34.9% 10.0% 4.9% 45.4%
36.2% 8.9% 3.5%	34.9% 10.0% 4.9%
8.9% 3.5%	10.0% 4.9%
3.5%	4.9%
	45.4%
	101110
43.5%	-
10.3%	13.5%
34.0%	33.2%
18.1%	17.4%
46.0%	-
EQ 20/	54.6%
59.3%	2.3%
	46.0% 59.3% 1.1%

### **Fringe Benefits**

# GSR Tuition/Fees and Graduate Student Health Insurance (GSHIP)

- 1-24% employment = no fee remission
- 25-34% employment = partial fee remission
- 35-49% employment = full fee remission
- Tuition/fees escalate by 3%/year
- GSHIP escalates by 13% through 2023-2024, 8% thereafter
- Tuition/GSHIP are exempt from IDC base calculation
- Current tuition/fees/GSHIP registrar.sa.ucsb.edu
- Sponsored Projects Office reference sheet:
   https://www.research.ucsb.edu/sites/default/files/SPO/Budget%20Preparation/2021-2027%20
   GSR%20Tuition%20%26%20Fee%20and%20GSHIP%20Projections Aug%2021.pdf

# **Fringe Benefits**

						YEAR 1 07/01/22	YEAR 2 07/01/23	TOTAL 07/01/22
						06/30/23	06/30/24	06/30/24
BENEFITS:						00/30/23	00/30/24	00/30/24
* Tony Stark, Profe	ssor III (Actual)							
\$34,822	@	10.00%		CBR		\$3,482		
\$35,867	@	10.00%		CBR			\$3,587	\$7,069
* Jarvis, Researche	er I (Actual)							
\$67,450	@	53.20%		CBR + VLA		\$35,883		
\$69,474	@	53.20%		CBR + VLA			\$36,960	\$72,843
* TBN, Postdoctora	l Scholar - Level	1						
\$52,896	@	17.40%		CBR		\$9,204		
\$54,483	@	17.40%		CBR			\$9,480	\$18,684
* Peter Parker, Gra	duate Student R	esearcher, Step V						
\$38,091	@	2.3%		CBR		\$876		
\$39,235	@	2.3%		CBR			\$902	\$1,778
					Total fringe:	\$49,445	\$50,929	\$100,374
** Graduate Student	Tuition & Fees*	(In-State)						
\$4,663	per quarter	FY22-23	3	quarter(s)		\$13,989		
\$4,803	per quarter	FY23-24	3	quarter(s)			\$14,409	
** Graduate Student	Health Insurance	e*						
\$1,828	per quarter	FY22-23	3	quarter(s)		\$5,484		
\$2,066	per quarter	FY23-24	3	quarter(s)			\$6,198	
				Total t	uition/fees/GSHIP:	\$19,473	\$20,607	\$40,080
BENEFITS TOTAL:						\$68,918	\$71,536	\$140,454

# **Questions?**

### Equipment

- Non-expendable
- Tangible personal property
- Useful life of more than one year

### **AND**

- Acquisition cost of \$5,000 or more per unit
- Exempt from IDC base calculation
- bfs.ucsb.edu/equipment

### Equipment

### **Fabrication**

- Items constructed by a University activity that results in the definition of equipment above
- A product resulting from simple assembly or connection of various parts is <u>NOT</u> a fabrication
- If fabrication item is shipped off campus, IDC will be assessed

### Equipment

Information needed (include vendor quote):

- Net price
- Cost of components/labor to build, if applicable
- Tax at 7.75%, shipping/freight, installation, insurance, customs if purchased abroad
- Who will own it?
  - University, or unsure until end of project <u>YES</u> sales tax
  - Federal Government <u>NO</u> sales tax

### **Travel**

- Domestic and international conferences, workshops, meetings with collaborators, etc.
- Check guidelines for requirements and allowability.
- Must be in accordance with UCSB travel policy.

### **Travel**

### Information needed:

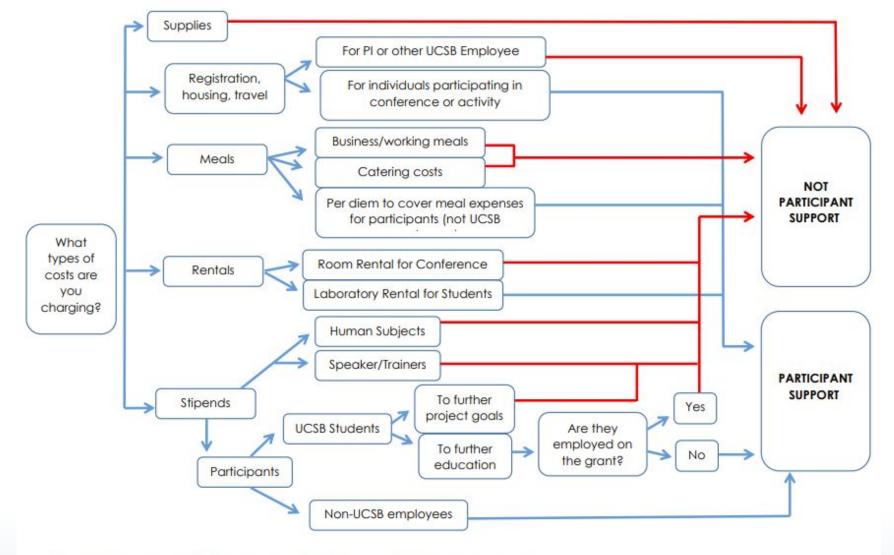
- Purpose of the trip
- Location
- Duration of stay
- Number of travelers
- Breakdown of costs airfare, registration, lodging, per diem (meals/lodging), etc.

### **Travel**

		1						YEAR 1	YEAR 2	TOTAL
								07/01/22 06/30/23	07/01/23 06/30/24	07/01/22 06/30/24
TRA	VEL									
	Domestic Trave	el								
	AGU meeting in	San Francisco		2	travelers			\$2,550	\$2,550	\$5,100
		mileage, per mile:	\$0.56	696	miles					
		Lodging/meals:	\$220	4	days					
		registration								
	RT SB-East Coa	ast for Scientific Cor	nference	1	traveler			\$2,080	\$2,080	\$4,160
	\$900	Airfare								
	\$100	Local transportation	n							
	\$880	Lodging/meals:	\$220	4	days					
	\$200	The contract of the contract o								
					1	Domestic Tr	avel Subtotal	\$4,630	\$4,630	\$9,260
	Foreign Travel									
	RT SB-Europe f	or Scientific Confer	ence	1	traveler			\$3,125	\$3,125	\$6,250
	\$1,100	Airfare								
	\$100	Local transportation	n							
**		Per diem:	\$265	5	days					
	\$600	Registration								
						Foreign Tr	avel Subtotal	\$3,125	\$3,125	\$6,250
TRA	VEL TOTAL:							\$7,755	\$7,755	\$15,510

### **Participant Support**

- Used for **participants** or **trainees** attending workshops, conferences, or meetings supported by a grant (examples: stipends/subsistence allowances, travel allowances, registration fees)
- UCSB employees do not typically qualify.
- Participant Support Flow Chart:
   https://www.research.ucsb.edu/sites/default/files/SPO/Budget%20Preparation/Participant%20Support%20FlowChart2%20(2).pdf
- Make sure sponsor's requirements are met. (We often see items under Participant Support that should actually be listed under "Other Direct Costs")
- NSF Participant Support definition & guidance
  - https://www.nsf.gov/pubs/policydocs/pappg22\_1/pappg\_2.jsp#IIC2gv
  - https://www.nsf.gov/bfa/dias/policy/newsletter/may 2017.pdf



### Participant Support Quick Reference

<sup>&</sup>lt;sup>1</sup> This is an unofficial document to assist liaisons in creating budgets; it is not intended to act as official sponsor policy.

### **Supplies**

- Expendables lab supplies, specialty supplies, etc.
- NOT office supplies

#### Information needed:

- Itemized list, unit price, quantity
- The more detail, the better. The higher the amount, or the less obvious the cost for the work that will be performed, the more detail the breakdown should be.

# **Supplies**

	YEAR 1	YEAR 2	TOTAL
	07/01/22	07/01/23	3 07/01/22
	06/30/23	06/30/24	06/30/24
OTHER DIRECT COSTS			
1. PSA: Consulting fees - (Ant Man, Workshop Speaker, \$1500/day, 2 days)	\$0	\$0	\$0
2. Body armor spare parts	\$1,400	\$1,400	\$2,800
3. Publication costs	\$3,000	\$3,000	\$6,000
Computer (essential and allocable to the project)	\$1,500	\$0	\$1,500
5. Lab research supplies (chemicals, glassware, wafers, consumables)	\$6,500	\$6,500	\$13,000
Human subjects research participants:			\$0
Behavioral testing: \$12/hour; 25 participants	\$300	\$0	\$300
Brain scan session: \$60/participant; 55 participants/year	\$0	\$3,300	\$3,300
OTHER DIRECT COST TOTAL:	\$12,400	\$14,200	\$26,600

### **Sub-Agreements**

- The transfer of substantive programmatic effort, or significant research expected to be conducted under the project
- Need a detailed budget from the proposed subrecipient, including their indirect costs
- Final total from sub should be included on UCSB budget

# **Sub-Agreements**

			YEAR 1	YEAR 2	TOTAL
			07/01/22	07/01/23 06/30/24	07/01/22 06/30/24
			06/30/23		
SUBCONTRACTS &	MCAs				
Subcontracts					
Avengers, Inc.			\$70,000	\$70,000	\$140,000
		Subcontract Subtotal	\$70,000	\$70,000	\$140,000
Multi-Campus	Agreements (MCA)				
UCLA			\$70,000	\$70,000	\$140,000
		MCA Subtotal	\$70,000	\$70,000	\$140,000
SUBAGREEMENT TO	OTAL:		\$140,000	\$140,000	\$280,000

#### Two types of subagreements:

- 1. Subaward
- 2. Multi-Campus Agreement (MCA): subcontract given to another UC campuses

### **Consultants**

- Individuals or organizations with particular expertise who provide advice, analysis, or recommendations
- Cannot be UCSB employees or emeriti
- Cannot be co-authors on publications resulting from research

#### Information needed:

Hourly or daily rate, number of hours or days

This type of cost goes in the Other Direct Cost section of the budget.

# Other Direct Costs (ODC)

- Costs that do not fit in the other categories, such as:
  - Human Subjects payments
  - Off-campus space rental
  - Recharge rates
  - Specialized software
  - Publication Costs
    - Tip: Faculty are expected to publish so it's good practice to ask
       PIs if they want this included, even if they don't initially request
       it.

## Other Direct Costs (ODC)

	YEAR 1	YEAR 2	TOTAL
	07/01/22	07/01/22 07/01/23	07/01/22
	06/30/23	06/30/24	06/30/24
OTHER DIRECT COSTS			
PSA: Consulting fees - (Ant Man, Workshop Speaker, \$1500/day, 2 days)	\$0	\$0	\$0
2. Body armor spare parts	\$1,400	\$1,400	\$2,800
3. Publication costs	\$3,000	\$3,000	\$6,000
Computer (essential and allocable to the project)	\$1,500	\$0	\$1,500
5. Lab research supplies (chemicals, glassware, wafers, consumables)	\$6,500	\$6,500	\$13,000
Human subjects research participants:			\$0
Behavioral testing: \$12/hour; 25 participants	\$300	\$0	\$300
Brain scan session: \$60/participant; 55 participants/year	\$0	\$3,300	\$3,300
OTHER DIRECT COST TOTAL:	\$12,400	\$14,200	\$26,600

# **Questions?**

# **Indirect Costs (IDC)**

a.k.a.: Facilities and Administrative (F&A) Costs,

Overhead Costs

### **Indirect Costs**

- A.K.A. Facilities and Administrative (F&A)
   Costs / "Overhead"
- Mechanism used to reimburse the University for infrastructure support costs associated with sponsored research.
- IDC represents expenses that cannot be easily assigned to a specific project, but are incurred for common or joint objectives

# Indirect Cost (IDC) Rate/Base

- IDC Base = Portion of costs that IDC rate is applied to
  - IDC Rate = Percentage applied to IDC base

(One way to think of IDC is as something like a "tax")

Indirect Costs Base X Indirect Cost Rate = Total IDC

### Indirect Cost (IDC) Rate/Base

"Grocery Sales Tax" Example 1:

- IDC Base ~ total of \$200 worth of groceries
- IDC Rate ~ 5% "sales tax"

```
Indirect Costs Base X Indirect Cost Rate = Total IDC (Total amount -$200 groceries) (Percentage, e.g. 5%) ($10)
```

### **UCSB's Negotiated Rate Agreement**

UCSB's IDC rates set forth in our F&A Agreement must be used for all proposal budgets (exceptions to the F&A rates require special approval).

### Per the F&A Agreement:

- IDC Base = Portion of costs that IDC rate is applied to

   → "modified total direct costs", i.e. MTDC
- IDC Rate = Percentage applied to IDC base
   → rate is variable (depends on the type of project)
  - Indirect Costs Base (per F&A Agreement, MTDC) (Percentage, e.g. 55.5%)

## Indirect Cost (IDC) Rate/Base

"Grocery Sales Tax" Example 2 (F&A Agreement):

- Modified IDC Base ~ total of \$200 worth of groceries minus
   \$100 fruit (excluded from sales tax) = Base of \$100
  - Under F&A Agreement, excluding equipment, tuition, etc. from total direct costs (MTDC) is similar to excluding fruit from the total taxable groceries
- Variable IDC Rate ~ 10% "city sales tax" instead of 5% "rural" sales tax
  - Under F&A Agreement, variable on-campus vs off-campus rates is similar to city vs rural tax rates

```
Indirect Costs Base X Indirect Cost Rate = Total IDC (Modified amount -- $100 groceries) (Percentage -- 10%) ($10)
```

#### COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN: 95-6006145 DATE:11/05/2018

ORGANIZATION: FILING REF.: The preceding

University of California (UCSB) agreement was dated

Santa Barbara Campus 09/01/2017

Santa Barbara, CA

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

#### SECTION I: INDIRECT COST RATES

RATE TYPES: FIXED FINAL PROV. (PROVISIONAL) PRED. (PREDETERMINED)

#### EFFECTIVE PERIOD

TYPE	FROM	TO	RATE(%) LOCATION	APPLICABLE TO
PRED.	07/01/2015	06/30/2017	53.50 On-Campus	Organized Research
PRED.	07/01/2017	06/30/2018	54.00 On-Campus	Organized Research
PRED.	07/01/2018	06/30/2020	55.00 On-Campus	Organized Research
PRED.	07/01/2020	06/30/2021	55.50 On-Campus	Organized Research
PRED.	07/01/2015	06/30/2021	26.00 Off-Campus	Organized Research
PRED.	07/01/2015	06/30/2017	54.50 On-Campus	Instruction
PRED.	07/01/2017	06/30/2021	52.70 On-Campus	Instruction
PRED.	07/01/2015	06/30/2021	26.00 Off-Campus	Instruction
PRED.	07/01/2015	06/30/2021	51.30 On-Campus	Other Spon Act.

ORGANIZATION: University of California (UCSB) Santa Barbara

Campus

AGREEMENT DATE: 11/5/2018

TYPE	FROM	TO	RATE (%) LOCATION	APPLICABLE TO
PRED.	07/01/2018	06/30/2020	45.00 On-Campus	UARC (B)
PRED.	07/01/2020	06/30/2021	45.50 On-Campus	UARC (B)
PROV.	07/01/2021	Until Amended	(C)	

#### \*BASE

Modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel and subgrants and subcontracts up to the first \$25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Modified total direct costs shall exclude equipment, capital expenditures, charges for patient care, participant support costs, student tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of \$25,000.

### **Indirect Costs**

					YEAR 1	YEAR 2	TOTAL
					07/01/22	07/01/23	07/01/22
					06/30/23	06/30/24	06/30/24
	TAL DIRECT COSTS: DIFIED TOTAL DIRECT COSTS:				\$435,332 \$290,859	\$432,550 \$271,943	\$867,882 \$562,802
IND	IRECT COSTS: On-campus rate of Mod	dified Total D	irect Costs†				
	\$290,859	@	55.5%		\$161,427		
	\$271,943	@	55.5%			\$150,928	\$312,355
	\$562,802						
TO	TAL REQUEST:				\$596,759	\$583,478	\$1,180,237
				TOTAL REQU	ESTED FROM	SPONSOR:	\$1,180,237
*	This is the DHHS negotiated, fixed con	nposite benefit	rate for the period 10/1	1/19 to 6/30/20. T	he rate therea	fter is provisio	nal.
**	Full tuition and fee remission provided						
***	Foreign per diems - per foreign GSA ra						
t	DHHS negotiated, predetermined On-Control of thereafter is provisional.				the period of	7/1/20 - 6/30/2	1. The rate

# **Sponsor-Specific IDC Rate/Base**

- Typically, if a sponsor has an IDC restriction, it will be found within the sponsor's guidelines.
- SPO and UCOP require approval of these exceptions.
  - Type of approval needed will depend on the sponsor (e.g., state, federal).

# **Project Contributions (Cost Share)**

 Resources that are contributed to a project over and above the support provided by the sponsor

	Mandatory (required)	Voluntary (not required)
Committed (quantified)		
Uncommitted (not quantified)		

## **Budget with Project Contributions**

					YEAR 1	YEAR 2	TOTAL	COST SHARE TOTAL
					07/01/22 06/30/23	07/01/23 06/30/24	07/01/22 06/30/24	
отн	ER DIRECT COSTS							
	1. PSA: Consulting fees - (Ant Man, Workshop Speaker, \$1500/day, 2 days)					\$0	\$0	\$3,000
	. Body armor spare parts				\$0 \$1,400	\$1,400	\$2,800	
	. Publication costs				\$3,000	\$3,000	\$6,000	
	. Computer (essential and allocable to the	ne project)			\$1,500	\$0	\$1,500	
	5. Lab research supplies (chemicals, glassware, wafers, consumables)				\$6,500	\$6,500	\$13,000	
	. Human subjects research participants:				\$0			
	Behavioral testing: \$12/hour; 25 par				\$300	\$0	\$300	
	Brain scan session: \$60/participant;				\$0	\$3,300	\$3,300	
отн	ER DIRECT COST TOTAL:				\$12,400	\$14,200	\$26,600	\$3,000
TOTAL DIRECT COSTS: \$435,332 \$432,550 \$867,882							\$3,000	
MOD	ODIFIED TOTAL DIRECT COSTS:					\$271,943	\$562,802	\$3,000
INDI	RECT COSTS: On-campus rate of Mod	dified Total Direct C	Costs†					
	\$290,859	@	55.5%		\$161,427			
	\$271,943	@	55.5%			\$150,928	\$312,355	\$1,665
	\$562,802							
TOTAL REQUEST:					\$596,759	\$583,478	\$1,180,237	\$4,665
				TOTAL PEOL	IESTEN EDOM	SDONEOD.	\$1,180,237	
	TOTAL REQUESTED FROM SPONSOR: TOTAL COST SHARE:						\$4,665	
	This is the DHHS negotiated, fixed composite benefit rate for the period 10/1/19 to 6/30/20. The rate thereafter is provisional.							
**	Full tuition and fee remission provided							
***	Foreign per diems - per foreign GSA rates https://aoprals.state.gov/web920/per_diem.asp							
t	DHHS negotiated, predetermined On-Campus rate for Organized Research projects covering the period of 7/1/20 - 6/30/21. The rate thereafter is provisional.							
	and the province of the provin							

### **Parting Thoughts**

- Remember:
  - Allowable
  - Allocable
  - Reasonable
- Document the basis used for calculating the cost.
- Provide sufficient detail.

### Resources

- <u>OMB Uniform Guidance</u> https://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title02/2cfr200\_main\_02.tpl
- UC Business and Finance Bulletin A-47
   https://policy.ucop.edu/doc/3420326/BFB-A-47
- UC Business and Finance Bulletin G-28 Travel Regulations
   https://policy.ucop.edu/doc/3420365/BFB-G-28
- UCSB Departmental Costing Guidelines
   https://www.bfs.ucsb.edu/sites/www.bfs.ucsb.edu/files/docs/Guide%20to%20Allowable%20Costs%20%28final%29.pdf
- Office of Research Budget Preparation Page https://www.research.ucsb.edu/spo/proposal-prep/budget-preparation
- Your Sponsored Projects Team
   https://www.research.ucsb.edu/sponsored-projects-teams

# **Questions?**