Form Approved Through 10/31/2018						OMB	110. 0925-000
Department of Health and Hum		LEAVE BLA					
Public Health Service		Type Review Gro	Activity	<u>y</u>	Numbe Former		
Grant Applica			<u> </u>	\(\(\alpha\)			
Do not exceed character length rest	trictions indicated.	Council/Boa	ard (Month, \	rear)	Date R	eceived	
TITLE OF PROJECT (Do not exceed 81 char	racters, including spaces and	punctuation.)					
RESPONSE TO SPECIFIC REQUEST FOR (If "Yes," state number and title) Number: Title:	APPLICATIONS OR PROGR	AM ANNOUN	CEMENT O	R SOLICITA	ATION [NO 🗌	YES
3. PROGRAM DIRECTOR/PRINCIPAL INVEST	1						
3a. NAME (Last, first, middle)		3b. DEGRE	E(S)		3h. eRA	Commons	s User Name
3c. POSITION TITLE		3d. MAILING	G ADDRESS	S (Street, ci	ty, state, z	zip code)	
3e. DEPARTMENT, SERVICE, LABORATORY, (OR EQUIVALENT						
3f. MAJOR SUBDIVISION							
3g. TELEPHONE AND FAX (Area code, number	r and extension)	E-MAIL ADI	DRESS:				
TEL: FAX:							
4. HUMAN SUBJECTS RESEARCH	4a. Research Exempt	If "Yes," Exe	emption No.				
☐ No ☐ Yes	☐ No ☐ Yes						
4b. Federal-Wide Assurance No.	4c. Clinical Trial No Yes		1_	NIH-defined No Ye		Clinical 1	īrial
5. VERTEBRATE ANIMALS	S	5a. Animal \	Welfare Assı	urance No.			
6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year—MM/DD/YY)	7. COSTS REQUESTE BUDGET PERIOD	D FOR INITIA	.L 8.	. COSTS R			PROPOSED
From Through	7a. Direct Costs (\$)	7b. Total Cos	sts (\$) 8a	a. Direct Cost	ts (\$)	8b. Total (Costs (\$)
9. APPLICANT ORGANIZATION		10. TYPE O	F ORGANIZ	ZATION	1		
Name		Public:	→ 🗌 F	-ederal	State	e 🗌	Local
Address		Private	: → □ P	Private Nonp	rofit		
		For-pro	ofit: → 🗌 G	eneral [Small E	Business	
		Woma	n-owned [] Socially ar	nd Econor	nically Dis	sadvantaged
		11. ENTITY	/ IDENTIFIC	CATION NUN	MBER		
		DUNS NO.			Cong. Dis	strict	
12. ADMINISTRATIVE OFFICIAL TO BE NOTIFI Name	ED IF AWARD IS MADE	13. OFFICIA Name	AL SIGNING	FOR APPL	ICANT O	RGANIZA	TION
Title		Title					
Address		Address					
-		T-1			=		
Tel: FAX	.:	Tel:			FAX:		
E-Mail:	ID ACCEPTANCE IN THE	E-Mail:	E 0E 0==:		2 IN 40	т.	DATE
14. APPLICANT ORGANIZATION CERTIFICATION AN the statements herein are true, complete and accurate to accept the obligation to comply with Public Health Servic is awarded as a result of this application. I am aware the statements or claims may subject me to criminal child.	o the best of my knowledge, and ces terms and conditions if a gran at any false, fictitious, or frauduler	(In ink. "Per		CIAL NAMED not acceptab			DATE

3f. MAJOR SUBDIVISION		
3g. TELEPHONE AND FAX (Area code, number and extension)	E-MAIL ADDRESS:	
TEL: FAX:		
3. PROGRAM DIRECTOR / PRINCIPAL INVESTIGATOR		la
3a. NAME (Last, first, middle)	3b. DEGREE(S)	3h. NIH Commons User Name
3c. POSITION TITLE	3d. MAILING ADDRESS	(Street, city, state, zip code)
3e. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT		
3f. MAJOR SUBDIVISION		
3g. TELEPHONE AND FAX (Area code, number and extension)	E-MAIL ADDRESS:	
TEL: FAX:		
PHS 398 (Rev. 03/16 Approved Through 10/31/2018)		OMB No. 0925-0002
Face Page	e-continued	Form Page 1-continued
Program Director/Principal Investigator (Last, First, Middle): PROJECT SUMMARY (See instructions):		
RELEVANCE (See instructions):		
PROJECT/PERFORMANCE SITE(S) (if additional space is needed, use	Project/Performance Site Form	nat Page)

Project/Performance Site Primary Location

Organizational Name:					
DUNS:					
Street 1:			Street 2:		
City:		County:			State:
	Country:	,		Zip/Postal	
Project/Performance Site Congressional Districts:	•				
Additional Project/Performance Site Location					
Organizational Name:					
DUNS:					
Street 1:			Street 2:		
City:		County:	•		State:
Province:	Country:			Zip/Postal	Code:
Project/Performance Site Congressional Districts:					
PHS 398 (Rev. 03/16 Approved Through 10/31/201	L8)	Pag	0.2		OMB No. 0925-000 Form Page
Program Director/Principal Investigator	r (Iact Firct I		6 <u>2</u>		roilli raye
SENIOR/KEY PERSONNEL. See instructions. Us Start with Program Director(s)/Principal Investigato	se continuation or(s). List all of	n pages as ther senior	s <i>needed</i> to provide the rec r/key personnel in alphabet	quired inforr ical order, l	nation in the format shown below. ast name first.
	nmons User N		Organization		Role on Project
OTHER SIGNIFICANT CONTRIBUTORS Name	Organizatio	n		Role o	on Project
Human Embryonic Stem Cells _ No If the proposed project involves human embryonic http://stemcells.nih.gov/research/registry					

Page 3

OMB No. 0925-0001 Form Page 2-continued Number the *following* pages consecutively throughout

the application. Do not use suffixes such as 4a, 4b.

Program Director/Principal Investigator (Last, First, Middle):

The name of the program director/principal investigator must be provided at the top of each printed page and each continuation page.

RESEARCH GRANT TABLE OF CONTENTS

		Page Numbers
Fac	ce Page	1
De an	scription, Project/Performance Sites, Senior/Key Personnel, Other Significant Contributors, d Human Embryonic Stem Cells	2
Tal	ble of Contents	
De	tailed Budget for Initial Budget Period	
Bu	dget for Entire Proposed Period of Support	
Bu	dgets Pertaining to Consortium/Contractual Arrangements	
Bio	ographical Sketch – Program Director/Principal Investigator (Not to exceed five pages each)	
Otl	ner Biographical Sketches (Not to exceed five pages each – See instructions)	
Re	sources	
Ch	ecklist	
Re	search Plan	
1.	Introduction to Resubmission Application, if applicable, or Introduction to Revision Application, if applicable *	
2.	Specific Aims *	
3.	Research Strategy *	
4.	Bibliography and References Cited/Progress Report Publication List	
5.	Vertebrate Animals	
6.	Select Agent Research	
7.	Multiple PD/PI Leadership Plan	
8.	Consortium/Contractual Arrangements	
9.	Letters of Support (e.g., Consultants)	
10.	Resource Sharing Plan(s)	
11.	Authentication of Key Biological and/or Chemical Resources	
12.	PHS Human Subjects and Clinical Trials Information	

Appendix (Two identical CDs.)		Check if Appendix is Included
* Follow the page limits for these sections indicated in the application instructions, unless the Funding Opports specifies otherwise.	unity An	nouncement
PHS 398 (Rev. 03/16 Approved Through 10/31/2018) Page	OME	3 No. 0925-0001 Form Page 3

DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY

FROM

THROUGH

List PERSONNEL (Applicant organization only)
Use Cal, Acad, or Summer to Enter Months Devoted to Project

Enter Dollar Amounts Requested (or	nit cents) for Salary	/ Requeste	ed and Frir	nge Benefit	ts				
NAME	ROLE ON PROJECT	Cal. Mnths	Acad. Mnths	Summer Mnths	INST.BASE SALARY	SALARY REQUESTED	FRINGE BENEFITS	S TOTAL	L
	PD/PI								
_									
	SUBTOTALS	;			<u></u>	1			
CONSULTANT COSTS							<u> </u>		
EQUIPMENT (Itemize)									
SUPPLIES (Itemize by category)									
TRAVEL									
INPATIENT CARE COSTS									
OUTPATIENT CARE COSTS ALTERATIONS AND RENOVATIONS	S (Itemize by cate	egory)							
OTHER EXPENSES (Itemize by cate	egory)								
CONSORTIUM/CONTRACTUAL CO	STS					DIRE	ECT COSTS		
SUBTOTAL DIRECT COSTS	FOR INITIAL	BUDGE	T PERIC	OD (Item	7a, Face Page)		\$	
CONSORTIUM/CONTRACTUAL CO	STS			FAC	CILITIES AND) ADMINISTRATI	VE COSTS		
TOTAL DIRECT COSTS FOR	R INITIAL BUD	GET PE	ERIOD				J	\$	

BUDGET FOR ENTIRE PROPOSED PROJECT PERIOD DIRECT COSTS ONLY

BUDGET CATEGORY TOTALS	INITIAL BUDGET PERIOD (from Form Page 4)	2nd ADDITIONAL YEAR OF SUPPORT REQUESTED	3rd ADDITIONAL YEAR OF SUPPORT REQUESTED	4th ADDITIONAL YEAR OF SUPPORT REQUESTED	5th ADDITIONAL YEAR OF SUPPORT REQUESTED
PERSONNEL: Salary and fringe benefits. Applicant organization only.					
CONSULTANT COSTS					
EQUIPMENT					
SUPPLIES					
TRAVEL					
INPATIENT CARE COSTS					
OUTPATIENT CARE COSTS					
ALTERATIONS AND RENOVATIONS					
OTHER EXPENSES					
DIRECT CONSORTIUM/ CONTRACTUAL COSTS					
SUBTOTAL DIRECT COSTS (Sum = Item 8a, Face Page)					
F&A CONSORTIUM/ CONTRACTUAL COSTS					
TOTAL DIRECT COSTS					
TOTAL DIRECT COSTS FOR	ENTIRE PROPOSE	D PROJECT PERIO	D		\$

JUSTIFICATION.	Follow the budget justification instructions exactly.	Use continuation pages as needed.

RESOURCES

Follow the 398 application instructions in Part I, 4.7 Resources.

Program Director/Principal Investigator (Last, First, Middle):

	CHECKLIST	
TYPE OF APPLICATION (Check	all that apply.)	
NEW application. (This applic	ation is being submitted to the PHS for the first tim	e.)
RESUBMISSION of application	n number:	
(This application replaces a	prior unfunded version of a new, renewal, or revision	on application.)
RENEWAL of grant number:		
(This application is to extend	d a funded grant beyond its current project period.)	
REVISION to grant number:		
(This application is for additional CHANGE of program director/	ional funds to supplement a currently funded grant. principal investigator.	
Name of former program dir	rector/principal investigator:	
☐ CHANGE of Grantee Institutio	n. Name of former institution:	
FOREIGN application		t Country(ies) olved:
INVENTIONS AND PATENTS (R	enewal appl. only) 🔲 No 🔲 Yes	
	If "Yes,"	Previously reported
		d(s) for which grant support is request. If program income is
Budget Period	Anticipated Amount	Source(s)
listed in the application instruction	ge, the authorized organizational representative aç	grees to comply with the policies, assurances and/or certifications ances/certifications are provided in Part III and listed in Part I, 4.1 ion and place it after this page.
3. FACILITIES AND ADMINSTR	ATIVE COSTS (F&A)/ INDIRECT COSTS. See sp	ecific instructions.
HHS Agreement dated:		No Facilities And Administrative Costs Requested.
HHS Agreement being negotia	ted with	Regional Office.
☐ No HHS Agreement, but rate e	established with	Date

PHS 398 (Rev. 03/16 Approve	ed Through 10/31/2018)	Page		OMB No. 0925-0001 Checklist Form Page
Explanation (Attach separate	sheet, if necessary.):			
Off-site, other special rate	e, or more than one rate involved	d (Explain)		
*Check appropriate box(es): Salary and wages base	☐ Modified total d	lirect cost base	Other base (Explain)	
			TOTAL F&A Costs	B
e. 05 year	Amount of base \$	x Rate applied	% = F&A costs \$	\$
d. 04 year	Amount of base \$	x Rate applied	% = F&A costs \$	
c. 03 year	Amount of base \$	x Rate applied	% = F&A costs \$	
b. 02 year	Amount of base \$	x Rate applied	% = F&A costs	\$
a. Initial budget period:	Amount of base \$	x Rate applied	% = F&A costs	\$
CALCULATION* (The entire	grant application, including the (Checklist, will be reproduced and pro	vided to peer reviewers as o	confidential information.)

PHS Human Subjects and Clinical Trials Information

Note: the PHS Human Subjects and Clinical Trials Information form is not included in this combined form. See individual form here: http://grants.nih.gov/forms/human-subject-study-form.pdf

DO NOT SUBMIT UNLESS REQUESTED Renewal Applications Only ALL PERSONNEL REPORT

Always list the PD/PI(s). In addition, list all other personnel who participated in the project during the current budget period for at least one person month or more, regardless of the source of compensation (a person month equals approximately 160 hours or 8.3% of annualized effort). Use Cal, Acad, or Summer to Enter Months Devoted to Project.

commons ID	Name	Degree(s)	SSN (last 4 digits)	Role on Project (e.g. PD/PI, Res. Assoc.)	DoB (MM /YY)	Cal	Acad	Summe
		<u> </u>	"		, ,			

Mailing address for application

Use this label or a facsimile

All applications and other deliveries to the Center for Scientific Review must come either via courier delivery or via the United States Postal Service (USPS.) Applications delivered by individuals to the Center for Scientific Review will not be accepted.

Applications sent via the USPS EXPRESS or REGULAR MAIL should be sent to the following address:

CENTER FOR SCIENTIFIC REVIEW
NATIONAL INSTITUTES OF HEALTH
6701 ROCKLEDGE DRIVE
ROOM 1040 – MSC 7710
BETHESDA, MD 20892-7710

NOTE: All applications sent via a courier delivery service (non-USPS) should use this address, but CHANGE THE ZIP CODE TO 20817

The telephone number is 301-435-0715. C.O.D. applications will *not* be accepted.

A special label for responding to RFAs is not required.