Form Approved Through	n 03/31/2020					MB No. 0925-000	
Department of Health and Human Services Public Health Services			LEAVE BLANK—FTypeAdditional Additional Addition	OR PHS USE	ONLY. Number		
			Review Group			Formerly	
Grant Application			Council/Board (Mor	Council/Board (Month, Year)		d	
Do not exceed character length restrictions indicated. 1. TITLE OF PROJECT (Do not exceed 81 characters, including spaces and put				,,		-	
1. TITLE OF PROJEC	I (Do not exceed 81 chara	acters, including spaces and	punctuation.)				
2. RESPONSE TO SP (If "Yes," state numb Number:		APPLICATIONS OR PROGE	RAM ANNOUNCEMEN	IT OR SOLICIT	TATION NO	YES	
3. PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR					3h. eRA Comm		
3a. NAME (Last, first, m	ndue)		3b. DEGREE(S)		SII. EKA CUIIIII	ons Oser Marile	
3c. POSITION TITLE			3d. MAILING ADDF	RESS (Street,	city, state, zip cod	e)	
3e. DEPARTMENT, SEI	RVICE, LABORATORY, C	OR EQUIVALENT	-				
3f. MAJOR SUBDIVISIO	NC		_				
3g. TELEPHONE AND F	AX (Area code, number	and extension)	E-MAIL ADDRESS	:			
TEL:	FAX:						
4. HUMAN SUBJECTS	RESEARCH	4a. Research Exempt	If "Yes," Exemption No.				
No Yes		No Yes					
4b. Federal-Wide Assura	ance No.	4c. Clinical Trial		4d. NIH-define	ed Phase III Clinica Yes	al Trial	
5. VERTEBRATE ANIN	MALS 🗌 No 🗌 Yes		5a. Animal Welfare	Assurance No			
6. DATES OF PROPO- SUPPORT (month,	SED PERIOD OF day, year—MM/DD/YY)	7. COSTS REQUESTE BUDGET PERIOD	D FOR INITIAL 8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT				
From	Through	7a. Direct Costs (\$)	7b. Total Costs (\$)	8a. Direct Co	osts (\$) 8b. Tot	al Costs (\$)	
9. APPLICANT ORGAI	NIZATION		10. TYPE OF ORG	ANIZATION			
Name			Public: \rightarrow Federal State Local				
Address			Private: \rightarrow Private Nonprofit				
			For-profit: →	For-profit: →			
			· · ·				
			11. ENTITY IDENTIFICATION NUMBER				
			DUNS NO.		Cong. District		
12. ADMINISTRATIVE (OFFICIAL TO BE NOTIFIE	ED IF AWARD IS MADE	13. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION				
Name			Name				
Title			Title				
Address			Address				
Tel:	Tel:		FAX:				
E-Mail:	E-Mail:						
	ATION CERTIFICATION AN	D ACCEPTANCE: I certify that	SIGNATURE OF O	FFICIAL NAME	ED IN 13.	DATE	
the statements herein are tr accept the obligation to com is awarded as a result of thi	(In ink. "Per" signat						
statements or claims may s							

PROJECT SUMMARY (See instructions):

RELEVANCE (See instructions):

PROJECT/PERFORMANCE SITE(S) (if additional space is needed, use Project/Performance Site Format Page)
Project/Performance Site Primary Location

Project/Performance Site	Primary Location		
Organizational Name:			
DUNS:			
Street 1:		Street 2:	
City:	Cc	ounty:	State:
Province:	Country:		Zip/Postal Code:
Project/Performance Site C	ongressional Districts:		
Additional Project/Perform	nance Site Location		
Organizational Name:			
DUNS:			
Street 1:		Street 2:	
City:	Cc	ounty:	State:
Province:	Country:		Zip/Postal Code:
Project/Performance Site Co	ongressional Districts:		
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SENIOR/KEY PERSONNEL. See instructions. *Use continuation pages as needed* to provide the required information in the format shown below. Start with Program Director(s)/Principal Investigator(s). List all other senior/key personnel in alphabetical order, last name first.

Name

eRA Commons User Name

Organization

Role on Project

OTHER SIGNIFICANT CONTRIB	BUTORS	
Name	Organization	Role on Project
Human Embryonic Stem Ce		
	numan embryonic stem cells, list below the registra <u>ells/registry/current.htm</u> . Use continuation pages	ation number of the specific cell line(s) from the following list s as needed.
If a specific line cannot be reference	ed at this time, include a statement that one from the R	Registry will be used.

Cell Line

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

		Pa	age Numbers
Fa	ce Page		1
	scription, Project/Performance Sites, Senior/Key Personnel, Other Significant Contributors, d Human Embryonic Stem Cells		2
Та	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		
Bi	ographical Sketch – Program Director/Principal Investigator (Not to exceed five pages each)		
Ot	her 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		
Ар	pendix (Two identical CDs.)		Check if Appendix is

Included

* Follow the page limits for these sections indicated in the application instructions, unless the Funding Opportunity Announcement specifies otherwise.

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Page ____

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DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY

THROUGH

FROM

List PERSONNEL (Applicant organization only) Use Cal, Acad, or Summer to Enter Months Devoted to Project Enter Dollar Amounts Requested (*omit cents*) for Salary Requested and Fringe Benefits

	ROLE ON	Cal.	Acad.	Summer	INST.BASE	SALARY	FRINGE		
NAME	PROJECT	Mnths	Mnths	Mnths	SALARY	REQUESTED	BENEFITS		OTAL
	PD/PI								
	SUBTOTALS			1	_ →				
CONSULTANT COSTS						<u></u>			
EQUIPMENT (Itemize)									
SUPPLIES (Itemize by category)									
TRAVEL									
INPATIENT CARE COSTS									
OUTPATIENT CARE COSTS									
ALTERATIONS AND RENOVATION	S (Itemize by cate	gory)							
OTHER EXPENSES (Itemize by cat	egory)								
CONSORTIUM/CONTRACTUAL COSTS DIRECT COSTS							I		
SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD (Item 7a, Face Page)						\$			
CONSORTIUM/CONTRACTUAL CO	STS			FA	CILITIES AND	ADMINISTRATI	VE COSTS		
TOTAL DIRECT COSTS FOR	R INITIAL BUD	GET PE	RIOD					\$	
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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 PROPOSED PROJECT PERIOD					

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

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

CHECKLIST							
TYPE OF APPLICATION (Check	TYPE OF APPLICATION (Check all that apply.)						
NEW application. (This appl	lication is being submitt	ed to the PHS for the first tir	ne.)				
RESUBMISSION of applicat							
(This application replaces a	prior unfunded version	of a new, renewal, or revision	on application.)				
RENEWAL of grant number:							
(This application is to exten	d a funded grant beyon	d its current project period.)					
REVISION to grant number:							
(This application is for addit	ional funds to suppleme	ent a currently funded grant.)				
CHANGE of program directo	r/principal investigator.						
Name of former program di	rector/principal investig	ator:					
CHANGE of Grantee Institut	ion. Name of former i	nstitution:					
FOREIGN application	Domestic Grant with		t Country(ies) olved:				
INVENTIONS AND PATENTS (F	Renewal appl. only) [No Yes					
		lf "Yes," 🔲 F	Previously reported	Not previously reported			
1. PROGRAM INCOME (See in							
anticipated, use the format below			d(s) for which grant	support is request. If program income is			
Budget Period	Anticipa	ated Amount		Source(s)			
2. ASSURANCES/CERTIFICATI	ONS (See instructionation)	s.) anizational representative ac	rees to comply with	the policies, assurances and/or certifications			
listed in the application instruction	s when applicable. Des	scriptions of individual assura	ances/certifications a	are provided in the <u>NIH Grants Policy</u> le to certify compliance, where applicable,			
provide an explanation and place	it after this page.						
3. FACILITIES AND ADMINSTR	ATIVE COSTS (F&A)/	INDIRECT COSTS. See spe	ecific instructions.				
HHS Agreement dated:			No Faciliti	es And Administrative Costs Requested.			
HHS Agreement being negot	iated with			Regional Office.			
No HHS Agreement, but rate	established with			Date			
CALCULATION* (The entire grant application, including the Checklist, will be reproduced and provided to peer reviewers as confidential information.)							
a. Initial budget period:	Amount of base \$	x Rate app	lied	_% = F&A costs \$			
b. 02 year	Amount of base \$	x Rate app	olied	% = F&A costs \$			
c. 03 year	Amount of base \$	x Rate app	olied	% = F&A costs \$			
d. 04 year	Amount of base \$	x Rate app	olied	% = F&A costs \$			
e. 05 year	Amount of base \$	x Rate app	olied	% = F&A costs \$			
Enter Rate above as a decimal (e.g., 0.25 for 25%, 0.495 for 49.5%) TOTAL F&A Costs \$							
*Check appropriate box(es):							
Salary and wages base Modified total direct cost base Other base (Explain)							
Off-site, other special rate, or more than one rate involved <i>(Explain)</i>							
Explanation (Attach separate sheet, if necessary.):							

RESOURCES

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