Public reporting burden for this collection of information is estimated to 35 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0001). Do not send completed forms to this address.

Form Approved Through	1 8/31/2015		1			MB No. 0925-000
Department of Health and Human Services Public Health Services			LEAVE BLANK-FO			
			Type         Activity         Number           Review Group         Formerly			
	Grant Applicat	tion				ad
Do not exceed character length restrictions indicated.			Council/Board (Month	i, Year)	Date Receive	ed
1. TITLE OF PROJECT	T (Do not exceed 81 chara	acters, including spaces and p	ounctuation.)			
2. RESPONSE TO SPI (If "Yes." state numb Number:		PPLICATIONS OR PROGRA	AM ANNOUNCEMENT	OR SOLICIT	ATION NO	YES
3. PROGRAM DIRECT	OR/PRINCIPAL INVESTI	GATOR				
3a. NAME (Last, first, m	niddle)		3b. DEGREE(S)		3h. eRA Comn	nons User Name
3c. POSITION TITLE			3d. MAILING ADDRE	SS (Street, c	city, state, zip co	de)
3e. DEPARTMENT, SEF	RVICE, LABORATORY, O	R EQUIVALENT	_			
3f. MAJOR SUBDIVISIO	ON		_			
	FAX (Area code, number	and extension)	 E-MAIL ADDRESS:			
TEL:	-AX (Area code, number ) FAX:	απα εχιεποιοπη	E-IVIAIL ADDRESS:			
4. HUMAN SUBJECTS		4a. Research Exempt	If "Yes," Exemption N	0		
	RESEARCH	No Yes				
4b. Federal-Wide Assura	ance No.	4c. Clinical Trial	4	d. NIH-define	d Phase III Clinio	cal Trial
		🗌 No 🗌 Yes		🗌 No 🗌 Y	es	
5. VERTEBRATE ANIN	MALS 🗌 No 🗌 Yes		5a. Animal Welfare A	ssurance No.		
6. DATES OF PROPOS	SED PERIOD OF	7. COSTS REQUESTED	D FOR INITIAL			OR PROPOSED
From	Through	7a. Direct Costs (\$)	7b. Total Costs (\$)	8a. Direct Co		otal Costs (\$)
9. APPLICANT ORGAN Name	I NIZATION		10. TYPE OF ORGAI Public: →	I NIZATION Federal	State	Local
Address			Public: → Private: →	Private Non		
Address					Small Busine	
				General		
			Woman-owned			/ Disauvantaged
			DUNS NO.		Cong. District	
12. ADMINISTRATIVE ( Name	OFFICIAL TO BE NOTIFIE	ED IF AWARD IS MADE	13. OFFICIAL SIGNII Name	NG FOR APP	LICANT ORGAN	IZATION
Title			Title			
Address			Address			
Tel:	FAX:		Tel:		FAX:	
E-Mail:			E-Mail:			
the statements herein are tr accept the obligation to com is awarded as a result of this	ue, complete and accurate to pply with Public Health Service	D ACCEPTANCE: I certify that the best of my knowledge, and se terms and conditions if a grant t any false, fictitious, or fraudulent administrative penalties.	SIGNATURE OF OF (In ink. "Per" signatur			DATE
PHS 398 (Rev. 06/15)	,, e e e e e e e e e e e e e e e e	Face Page				Form Page 2

## Use only if preparing an application with Multiple PDs/PIs. See <u>http://grants.nih.gov/grants/multi\_pi/index.htm</u> for details.

Contact Program Director/Principal Investigator (Last, First, Middle):		
3. PROGRAM DIRECTOR / PRINCIPAL INVESTIGATOR		
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:		
3. PROGRAM DIRECTOR / PRINCIPAL INVESTIGATOR		
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:		
3. PROGRAM DIRECTOR / PRINCIPAL INVESTIGATOR		
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:	
3. PROGRAM DIRECTOR / PRINCIPAL INVESTIGATOR	
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 EQUIVALE	NT
3f. MAJOR SUBDIVISION	
3g. TELEPHONE AND FAX (Area code, number and extension	E-MAIL ADDRESS:
TEL: FAX:	
PHS 398 (Rev. 06/15 Approved Through 8/31/2015)	OMB No. 0925-0001 Face Page-continued Face Page-continued Face 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 Format Page)

Project/Performance Site Primary Location

Organizational Name:				
DUNS:				
Street 1:		Street 2:		
City:	I	County:		State:
Province:	Country:		Zip/Posta	I Code:
Project/Performance Site Congressional	Districts:			
Additional Project/Performance Site Lo	ocation			
Organizational Name:				
DUNS:				
Street 1:		Street 2:		
City:		County:		State:
Province:	Country:		Zip/Posta	I Code:
Project/Performance Site Congressional	Districts:			
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Program Director/Principal In	waatigatar (Laat First			Form Pay
SENIOR/KEY PERSONNEL. See instruct Start with Program Director(s)/Principal Ir				
Name	eRA Commons User N	lame Organiza	ation	Role on Project
OTHER SIGNIFICANT CONTRIBUTORS	5			
Name	Organizatio	'n	Role	on Project

Human Embryonic Stem Cells 🗌 No 🗌 Yes

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://stemcells.nih.gov/research/registry/eligibilityCriteria.asp. Use continuation pages as needed.

If a specific line cannot be referenced at this time, include a statement that one from the Registry will be used.

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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 Face Page..... 1 Description, Project/Performance Sites, Senior/Key Personnel, Other Significant Contributors, and Human Embryonic Stem Cells..... 2 Table of Contents..... Detailed Budget for Initial Budget Period..... Budget for Entire Proposed Period of Support..... Budgets Pertaining to Consortium/Contractual Arrangements..... **Biographical Sketch** – Program Director/Principal Investigator (Not to exceed five pages each)..... **Other Biographical Sketches** (Not to exceed five pages each – See instructions)..... Resources Checklist Research Plan..... Introduction to Resubmission Application, if applicable, or Introduction to Revision Application, 1. if applicable \* ..... 2. Specific Aims \* ..... 3. Research Strategy \* ..... 4. Inclusion Enrollment Table (Renewal or Revision applications only)..... 5. Bibliography and References Cited/Progress Report Publication List..... 6. Protection of Human Subjects..... 7. Inclusion of Women and Minorities..... 8. Targeted/Planned Enrollment Table..... 9. Inclusion of Children..... 10. Vertebrate Animals..... 11. Select Agent Research..... 12. Multiple PD/PI Leadership Plan..... 13. Consortium/Contractual Arrangements..... 14. Letters of Support (e.g., Consultants)..... 15. Resource Sharing Plan (s).....

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

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

DETAILED BUDGET FOR INITIAL BUDGET PERIOD	FROM	THROUGH
DIRECT COSTS ONLY		

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

						1		
NAME	ROLE ON PROJECT	Cal. Mnths	Acad. Mnths	Summer Mnths	INST.BASE SALARY	SALARY REQUESTED	FRINGE BENEFITS	TOTAL
	PD/PI							
	SUBTOTALS				<b>→</b>			
CONSULTANT COSTS								
EQUIPMENT (Itemize)								
SUPPLIES (Itemize by category)								
TRAVEL								
INPATIENT CARE COSTS								

OUTPATIENT CARE COSTS		
ALTERATIONS AND RENOVATIONS (Itemize by category)		
OTHER EXPENSES (Itemize by category)		
CONSORTIUM/CONTRACTUAL COSTS	DIRECT COSTS	
SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD	) (Item 7a, Face Page)	\$
CONSORTIUM/CONTRACTUAL COSTS	FACILITIES AND ADMINISTRATIVE COSTS	
TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD		\$
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Program Director/Principal Investigator (Last, First, Middle):

#### 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.

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

RESOURCES

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

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

CHECKLIST

 TYPE OF APPLICATION (Check all that apply.)

 NEW application. (This application is being submitted to the PHS for the first time.)

RESUBMISSION of application	tion number:				
(This application replaces	a prior unfunded version of a new,	, renewal, or revisio	n application.)		
RENEWAL of grant number	:				
(This application is to exte	end a funded grant beyond its curre	ent project period.)			
REVISION to grant numbe	er:				
(This application is for add	ditional funds to supplement a curre	ently funded grant.)			
CHANGE of program directo	or/principal investigator.				
_	director/principal investigator:				
CHANGE of Grantee Institut	tion. Name of former institution:				
FOREIGN application	Domestic Grant with foreign inv		Country(ies) lved:		
INVENTIONS AND PATENTS	(Renewal appl. only) 🗌 No	Yes			
		If "Yes," P	reviously reported	Not previous	y reported
1. PROGRAM INCOME (See I	<i>instructions.)</i> hether program income is anticipat	ed during the period	l(s) for which grant s	upport is request	If program income is
	w to reflect the amount and source		i(3) for which grant si	apport is request.	n program meome is
Budget Period	Anticipated Amou	unt		Source(s)	
2. ASSURANCES/CERTIFICA		l roprocentativo car	and to comply with th		anaaa and/ar aartifiaatiana
	Page, the authorized organizationa ons when applicable. Descriptions				
	fy compliance, where applicable, p				
3. FACILITIES AND ADMINST	RATIVE COSTS (F&A)/ INDIREC	T COSTS. See spee	cific instructions.		
DHHS Agreement dated:			No Facilities	And Administrativ	ve Costs Requested.
DHHS Agreement being neg	jotiated with		I	Regional Office.	
No DHHS Agreement, but ra	ate established with		[	Date	
CALCULATION* (The entire gr	ant application, including the Chec	klist, will be reprodu	ced and provided to	peer reviewers a	s confidential information.)
a. Initial budget period:	Amount of base \$	x Rate appli	ed	% = F&A costs	\$
b. 02 year	Amount of base \$	x Rate appli	ed	% = F&A costs	\$
c. 03 year	Amount of base \$	x Rate appli	ed	% = F&A costs	\$
d. 04 year	Amount of base \$	x Rate appli	ed	% = F&A costs	\$
e. 05 year	Amount of base \$	x Rate appli	ed	% = F&A costs	\$
			тот	AL F&A Costs	\$
*Check appropriate box(es):	Modified total direct	cost base	Othe	er base <i>(Explain</i> )	)
Off-site, other special rate,	or more than one rate involved (E>	xplain)			
Explanation (Attach separate s	heet, if necessary.):				

**4. DISCLOSURE PERMISSION STATEMENT:** If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)?

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OMB No. 0925-0001 Checklist Form Page

This report format should not b	e used for co	ellecting data from st	udy participants	
*Study Title:				
*Delayed onset sudy? 🗌 Yes 🗌 No				
If study is not delayed onset, the following sel	ections are requ	uired:		
Enrollment Type	Planned	Cumulative (Actual)		
Using an Existing Dataset or Resource	🗌 Yes	🗌 No		
Participants Location	Domestic	Foreign		
Clinical Trial OYes No NIH-Defin	ied Phase III Cl	linical Trial? 🗌 Yes	No Trial Phase	Phase 0 Phase 0 Phase 1 Phase 1/2 Phase 2/3 Phase 2/3 Phase 3 Phase 4
	Ethnic Categ	ories		

	Not H	ispanic o	r Latino	His	Hispanic or Latino			Unknown/Not Reported Ethnicity		
Racial Categories	Female	Male	Unknown/ Not Reported	Female	Male	Unknown/ Not Reported	Female	Male	Unknown/ Not Reported	Total
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
Black or African American	0	0	0	0	0	0	0	0	0	0
White	0	0	0	0	0	0	0	0	0	0
More than One Race	0	0	0	0	0	0	0	0	0	0
Unknown or Not Reported	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
DELETE REPORT									NEXT	REPORT

### 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.)	Cal	Acad	Summer
	Nume	Degree(3)	uigitsj	(c.g. 1 Di 1, Res. Assoc.)	Cui	Acau	Junner

# 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

B.....

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

The telephone number is 301-435-0715. C.O.D. applications will <u>not</u> be accepted.

A special label for responding to RFAs is not required.