JRM PTO-1619A xpires 06/30/99 JMB 0651-0027

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Conveying Party		Mark if additional names of conveying parties attached Execution Date
Name (line 1)	(100)	Month Day Year
		Funk, Walter D. 09292000
Name (line 2)		Execution Date
Second Party Name (line 1)	4	Carpenter, Melissa K. Month Day Year
Name (line 2)		09/68803
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Name (line 1)	(	Geron Corporation  If document to be recorn is an assignment and the
Name (line 2)	۰.۲	receiving party is not Delaware Corporation domiciled in the United
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Address (line 1)	23	30 Constitution Drive representative is attached (Designation must be a
Address (line 2)		separate document fron Assignment.)
Address (line 3)	Menlo Park Citv	CA, US 94025  State/Country Zip Code
Domestic Repre	sentative Name and	Address Enter for the first Receiving Party only.
Name		J. Michael Schiff
Address (line 4)		Geron Corporation
Address (line 1)		Geron Corporation
Address (line 1)		Geron Corporation  230 Constitution Drive
Address (line 2) Address (line 3)	09688031	230 Constitution Drive
Address (line 2)	1 09688031 40.00 8P	230 Constitution Drive

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**PATENT** 

**REEL: 011216 FRAME: 0146** 

FORM PTO-16 Expires 06/30/99 OMB 0651-0027	19B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Corresponden	t Name and Address	Area Code and Telephone	Number (650) 473-7715	
Name		J. Michael Schiff		
Address (line 1)		Geron Corporation		
Address (line 2)		230 Constitution Drive		
Address (line 3)		Menlo Park, CA 94025		
Address (line 4)				
_	nter the total number of pancluding any attachments.	ges of the attached conveyar	nce document # 7	
Application Number(s) or Patent Number(s)  Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).  Patent Application Number(s)  Patent Number(s)  Patent Number(s)  Patent Number(s)  If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year signed by the first named executing inventor.  Patent Cooperation Treaty (PCT)  Enter PCT application number only if a U.S. Application Number PCT PCT PCT PCT PCT PCT Nas not been assigned.  Number of Properties				
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attached o indicated	st of my knowledge and be copy is a true copy of the o herein.		n is true and correct and any to deposit account are authorized, as	
	Michael Schiff Person Signing	Signature	Date	

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	TAILNIO ONLI			
Conveying Pa	inark ir adamonar names or conveying parties attached	Execution Date		
Enter additional C	onveying Parties	Month Day Year		
Name (line 1)	Gold, Joseph D.	09222000		
Name (line 2)		Execution Date		
		Month Day Year		
Name (line 1)	Inokuma, Margaret S.	09192000		
Name (line 2)		Execution Date  Month Day Year		
Name (line 1)	Xu, Chunhui	09192000		
Name (line 2)				
Receiving Par	ty(ies) Mark if additional names of receiving parti	es attached		
	eceiving Party(ies)	oo attuorioo		
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(	L	is an assignment and the receiving party is not		
Name (line 2)		domiciled in the United States, an appointment		
Address (line 1)		of a domestic representative is attached. (Designation must be a separate		
Address (line 2)		document from Assignment.)		
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Name (line 2)		receiving party is not domiciled in the United States, an appointment of a		
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Address (line 2)		be a separate document from Assignment.)		
Address (line 3)	City State/Country Zip C	inde		
Application Number(s) or Patent Number(s) Mark if additional numbers attached				
• •	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sa	ame property).		
	tent Application Number(s) Patent Numl	· · · · · · · · · · · · · · · · · · ·		



Whereas we, Walter D. Funk, Melissa K. Carpenter, Joseph D. Gold, Margaret S. Inokuma, and Chunhui Xu.

executed employment agreements with Geron Corporation (hereinafter called Geron), a Delaware Corporation having its principal place of business at 230 Constitution Drive, Menlo Park, CA 94025, whereby we have agreed to assign to Geron all inventions (except as otherwise limited by law) which relate to Geron business and which were first conceived or actually reduced to practice during our employment by Geron;

Now, therefor, pursuant to the terms of said employment agreements and for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto Geron, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled:

CDNA LIBRARIES REFLECTING GENE EXPRESSION DURING GROWTH AND DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS

[X] filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
[ ] Serial No filed on and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, we agree promptly upon request of Geron, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Geron, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by Geron.
In witness whereof, we hereunto set our hands and seal:
Inventor's Signature: Date: 9.29.00
Inventor's Signature: Date:
Inventor's Signature: Date:  Joseph D. Gold

Inventor's Signature:	Margaret S. Inokuma	Date:	
Inventor's Signature:	Chunhui Xu	Date:	

## State of California personally appeared Expersonally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are-DIANA LARREA subscribed to the within instrument and Commission # 1195210 Notary Public - California acknowledged to me that he/she/they executed Santa Clara County same in his/her/their authorized My Comm. Expires Aug 31, 2002 capacity(ios), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. TNESS my hand and official seal. Place Notary Seal Above OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: Number of Pages: Signer(s) Other Than Named Above:

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Capacity(ies) Claimed by Signer

☐ Corporate Officer — Title(s): \_\_\_ ☐ Partner — ☐ Limited ☐ General

Signer's Name:

Guardian or Conservator

Signer Is Representing: \_\_\_

Individual

□ Trustee

Other

Attorney in Fact

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PATENT REEL: 011216 FRAME: 0151

#### ASSIGNMENT

Whereas we, Walter D. Funk, Melissa K. Carpenter, Joseph D. Gold, Margaret S. Inokuma, and Chunhui Xu,

executed employment agreements with Geron Corporation (hereinafter called Geron), a Delaware Corporation having its principal place of business at 230 Constitution Drive, Menlo Park, CA 94025, whereby we have agreed to assign to Geron all inventions (except as otherwise limited by law) which relate to Geron business and which were first conceived or actually reduced to practice during our employment by Geron;

Now, therefor, pursuant to the terms of said employment agreements and for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto Geron, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled:

CDNA LIBRARIES REFLECTING GENE EXPRESSION DURING GROWTH AND DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS

[X] filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the

United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No Letters Patent of the therefor;	filed on and the invente United States and of countries	tions set forth and describes foreign thereto which	ned therein, and any and all may be granted thereon or
execute and delivery original, continuation secure to Geron, its rights therein, in the prosecution of interference	onsideration, we agree promptly without further compensation and in, divisional or reissue, or other successors and assigns, the interpretate United States and in any counterence proceedings involving sat provided the expenses which may Geron.	y power of attorney, assign r papers which may be new relations described in said try foreign thereto, and to id inventions and in the action	nment, application, whether cessary or desirable fully to d application and all patent cooperate and assist in the djudication or reexamination
In witness whereof,	we hereunto set our hands and s	seal:	
Inventor's Signature:	Walter D. Funk	Date:	
Inventor's Signature:	My Carpenter  Melissa K. Carpenter	Date:	9/19/00
Inventor's Signature:	Joseph D. Gold	Date:	9/22/00

nventor's Signature:	Mangart S. Sulem	Date:	<i>(</i>
	Margaret S. Inokuma		
nventor's Signature:	Churchen' the	Date: 9/19	100
	Chunhui Xu	•	

State of California				
County of San Mateo				
Before me this  Walter D. Funk  to be the person whose name is sul same in his/her authorized capacit	bscribed to the foregoi		wledged to me that h	ne/she executed the
Notary Stamp/Seal		Notary Public		
State of California } ss.				
County of San Mateo				
Before me this  Melissa K. Carpenter to be the person whose name is sul same in his/her authorized capacity	bscribed to the foregoing	known to me (or proveding instrument and acknowing action on the instrument	to me on the basis of wledged to me that h	ne/she executed the
Comm. # NOTARY PUBL San Mat	1255686 IC-CALIFORNIA BO County By March 5, 2004	Makai Notary Public	wsky	
State of California } ss. County of San Mateo				
Before me this  Joseph D. Gold  to be the person whose name is sull same in his/her authorized capacity	bscribed to the foregoing	known to me (or proved ng instrument and ackno signature on the instrume	to me on the basis of wledged to me that h	ne/she executed the
K. MAK Comm. # NOTARY PUBLIF San Mate My Comm. Expire	1255686 C-CALIFORNIA O COUNTY	Make Notary Public	iusky	

State of California	
} ss. County of San Mateo	
Before me this day of State 2000  Margaret S. Inokuma personally known to me (or proved to me on the b	personally appeared asis of satisfactory evidence)
to be the person whose name is subscribed to the foregoing instrument and acknowledged to me same in his/her authorized capacity, and that by his/her signature on the instrument the person of	
K. MAKAUSKY Comm. # 1255886 NOTARY PUBLIC CALIFORNIA Sen Mateo Gounty My Comm. Expires March 5, 2004	
Notary Stamp/Seal Notary Public	
State of California  } ss.  County of San Mateo	
Before me this day of Splende 2000 Chunhui Xu personally known to me (or proved to me on the b	personally appeared asis of satisfactory evidence)
to be the person whose name is subscribed to the foregoing instrument and acknowledged to me same in his/her authorized capacity, and that by his/her signature on the instrument the person of	
K. MAKAUSKY Comm. # 1255686 NOTARY PUBLIC-CALIFORNIA San Mateo County My Comm. Expires March 5, 2004	
Notary Stamp/Seal Notary Public	



Whereas we, Walter D. Funk, Melissa K. Carpenter, Joseph D. Gold, Margaret S. Inokuma, and Chunhui Xu.

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Now, therefor, pursuant to the terms of said employment agreements and for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto Geron, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled:

CDNA LIBRARIES REFLECTING GENE EXPRESSION DURING GROWTH AND DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS

[X] filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
[ ] Serial No filed on and the inventions set forth and described therein, and any and al Letters Patent of the United States and of countries foreign thereto which may be granted thereon of therefor;
And for the above consideration, we agree promptly upon request of Geron, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Geron, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by Geron.
In witness whereof, we hereunto set our hands and seal:
Inventor's Signature: Date: 9.29.00 Walter D. Funk
Inventor's Signature: Date: Date:
Inventor's Signature: Date: Date:

Inventor's Signature:	Margaret S. Inokuma	Date:	
Inventor's Signature:	Chunhui Xu	Date:	

### CALIFORNIA ALL-PURPOSE ACKNOWLEDGM State of California personally appeared Xpersonally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are-DIANA LARREA subscribed to the within instrument and Commission # 1195210 Notary Public - California acknowledged to me that he/she/they executed Santa Clara County same in his/her/their authorized My Comm. Expires Aug 31, 2002 capacity(ios), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. TNESS my hand and official seal. Place Notary Seal Above - OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: Number of Pages: \_\_\_\_\_ Document Date: Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General Attorney in Fact Trustee Guardian or Conservator

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Other:

Signer Is Representing: \_\_\_

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**PATENT** REEL: 011216 FRAME: 0158

#### **ASSIGNMENT**

Whereas we, Walter D. Funk, Melissa K. Carpenter, Joseph D. Gold, Margaret S. Inokuma, and Chunhui Xu,

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Now, therefor, pursuant to the terms of said employment agreements and for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto Geron, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled:

CDNA LIBRARIES REFLECTING GENE EXPRESSION DURING GROWTH AND DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS

	d the inventions set forth and described therein, a countries foreign thereto which may be granted the	
	filed on and the inventions set forth an United States and of countries foreign thereto	
execute and deliver woriginal, continuation secure to Geron, its rights therein, in the prosecution of interfe	nsideration, we agree promptly upon request of vithout further compensation any power of attornational or reissue, or other papers which misuccessors and assigns, the inventions described United States and in any country foreign theret rence proceedings involving said inventions and provided the expenses which may be incurred by Geron.	ey, assignment, application, whether ay be necessary or desirable fully to ed in said application and all patent o, and to cooperate and assist in the in the adjudication or reexamination
In witness whereof, v	ve hereunto set our hands and seal:	
Inventor's Signature:	Walter D. Funk	Date:
Inventor's Signature:	McCarpertur Melissa K. Carpenter	Date: 9 19 00
Inventor's Signature:	Joseph D. Gold	Date: 9/22/00

Inventor's Signature:

Margaret S. Inokuma

Date:

4/19/00

Inventor's Signature:

Chuhi M 9/19/00

State of California	,			
County of San Mateo	) ss.			
Before me this Walter D. Fur to be the person whose nam same in his/her authorized of	e is subscribed to the fore		owledged to me that he	/she executed the
Notary Stamp/Seal		Notary Public		
State of California County of San Mateo	} ss.			
C C C C C C C C C C C C C C C C C C C	ne is subscribed to the fore	er signature on the instrume	owledged to me that he	/she executed the
State of California County of San Mateo	} ss.			
Before me this  Joseph D. Go to be the person whose name same in his/her authorized of	ne is subscribed to the fore;		owledged to me that he	she executed the
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Notary Stamp/Seal		Notáry Public	<b>(</b> /	

State of California
} ss. County of San Mateo
Before me this day of John We 2 personally appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.
K. MAKAUSKY Comm. # 1255686 NOTARY PUBLIC-CALIFORNIA Sen Mateo County My Comm. Expires Merch 5, 2004 T  Notary Stamp/Seal  K. MAKAUSKY Comm. # 1255686 NOTARY PUBLIC Notary Public
State of California } ss. County of San Mateo
Before me this day of Solution 200 personally appeared Chunhui Xu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.
K. MAKAUSKY Comm. # 1255686 NOTARY PUBLIC-CALIFORNIA San Mateo County My Comm. Expires March 5, 2004
Notary Stamp/Seal Notary Public