



Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2208)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
Chiron Dkt. No.: PP0016141.0003					
To the Director of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): ZUCKERMANN, Ronald N. REINHARD, Christoph J. JEFFERSON, Anne B. BEAUSOLEIL, Eric		2. Name and address of receiving party(ies) Name: Chiron Corporation Intellectual Property Dept. -- R-338 4560 Horton Street Emeryville, CA 94608-2916 <input type="checkbox"/> Other			
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License		<input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			
Execution Date(s): February 5, 2001, March 6, 2001, March 6, 2001 and January 16, 2001					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____. A. Patent Application No.(s) U.S. Application No. 10/025,423 Filing Date: December 18, 2001					
Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: NOVARTIS VACCINES & DIAGNOSTICS, INC. Corporate Intellectual Property - R338 P.O. Box 8097 Emeryville, CA 94662-8097		6. Total number of applications and patents involved 1			
		7. Total fee (37 CFR 3.41)..... \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account,			
		8. Deposit account number: 03-1664 (Attach duplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>					
Marcella Lillis (Reg. No. 36,583) Name of Person Signing		 Signature		6/9/06 Date	
Total number of pages including cover sheet, attachments, and document: 7					

CH \$40.00 031664 10025423

I hereby certify that this correspondence is being deposited by facsimile (Facsimile No. 1-571-273-0140) transmission to the United States Patent and Trademark Office, ASSIGNMENT RECORDATION SERVICES, on this 9th day of June, 2006.

By: 

ASSIGNMENT

WHEREAS, We, Ronald N. Zuckermann, Christoph J. Reinhard, Anne B. Jefferson, and Eric Beausoleil, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: OLIGONUCLEOTIDE TRANSFECTION SCREENING METHOD

Date(s) of Execution: January 16, 2001, February 5, 2001, and March 6, 2001 Filing Date: December 21, 2000

Serial No: 60/257,975

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

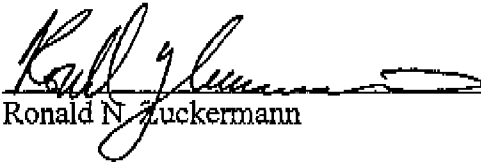
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.


ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

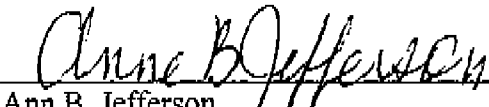
DATE 2/5/01


Ronald N. Zuckermann

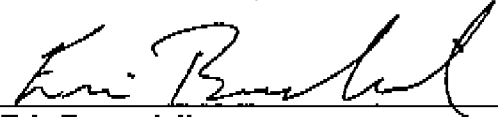
DATE 3/16/01


Christoph J. Reinhard

DATE 3/6/01


Ann B. Jefferson

DATE 01/16/2001


Eric Beausoleil

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

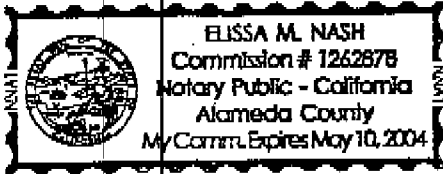
State of California

County of Alameda

On January 16, 2001 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Eric Beausoleil
Name(s) of Signer(s)

personally known to me – **OR** proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that (he/she/they) executed the same in his/her/their authorized capacity(ies), 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.



WITNESS my hand and official seal.

Elissa M. Nash
Signature of Notary Public

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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.

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Signer's Name: _____

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Title(s): _____
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Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

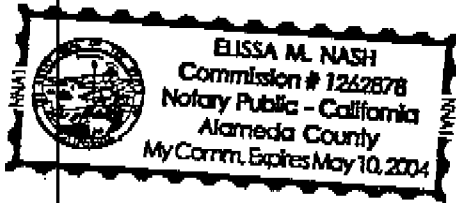
State of California }
 County of Alameda } ss.

On February 5, 2001, before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Ronald N. Zuckermann
Name(s) of Signer(s)

personally known to me
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), 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.



WITNESS my hand and official seal.

Elissa M. Nash
Signature of Notary Public

Place Notary Seal Above

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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.

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Title or Type of Document: Assignment for Case No. 16141.001

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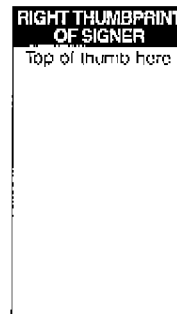
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
 County of Alameda } ss.

On March 6, 2001, before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
 personally appeared Christoph J. Reinhard
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), 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.



WITNESS my hand and official seal.

Elissa M. Nash
 Signature of Notary Public

Place Notary Seal Above

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- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER

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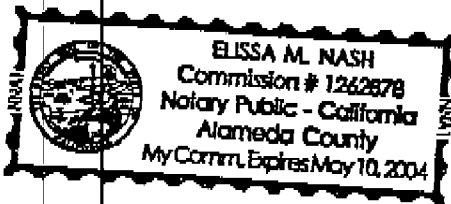
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Alameda } ss.

On March 6, 2001, before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Anne B. Jefferson
Name(s) of Signer(s)

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