

PATENT ASSIGNMENT

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR'S NAME JOHN M. WARD previously recorded on Reel 024194 Frame 0209. Assignor(s) hereby confirms the ASSIGNOR'S NAME IS JOHN M. POLO.												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>THOMAS W DUBENSKY JR</td> <td>06/21/2000</td> </tr> <tr> <td>JOHN M POLO</td> <td>06/21/2000</td> </tr> <tr> <td>BARBARA A BELLI</td> <td>06/21/2000</td> </tr> <tr> <td>SILVIA PERRI</td> <td>06/22/2000</td> </tr> <tr> <td>TIMOTHY C FONG</td> <td>06/21/2000</td> </tr> </tbody> </table>		Name	Execution Date	THOMAS W DUBENSKY JR	06/21/2000	JOHN M POLO	06/21/2000	BARBARA A BELLI	06/21/2000	SILVIA PERRI	06/22/2000	TIMOTHY C FONG	06/21/2000
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TIMOTHY C FONG	06/21/2000												
RECEIVING PARTY DATA													
Name:	CHIRON CORPORATION												
Street Address:	4560 Horton Street												
City:	Emeryville												
State/Country:	CALIFORNIA												
Postal Code:	94608-2916												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12111305</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12111305								
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CORRESPONDENCE DATA													
Fax Number:	(510)655-3542												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	(510) 923-2192												
Email:	kara.shure@novartis.com												
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ATTORNEY DOCKET NUMBER:	PAT051538-US-DIV												

CH \$40.00 12111305

501147328

**PATENT
 REEL: 024229 FRAME: 0984**

NAME OF SUBMITTER:

Kara Shure

Total Attachments: 5

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ASSIGNMENT

WHEREAS, We, Thomas W. Dubensky, Jr., John M. Polo, Barbara A. Belli, Silvia Perri, and Timothy C. Fong, 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: **ENHANCEMENT OF THE IMMUNE RESPONSE FOR VACCINE AND GENE THERAPY APPLICATIONS**

Date(s) of Execution: June 21, 2000, and June 22, 2000

Filing Date: April 10, 2000

Serial No: 09/546,201

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;

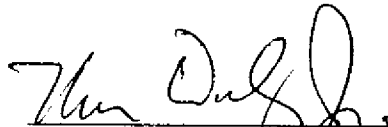
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and 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.

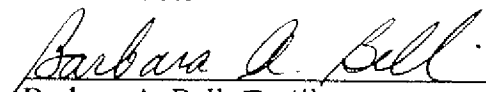
DATE 6-21-00


Thomas W. Dubensky, Jr.

DATE 6-21-00

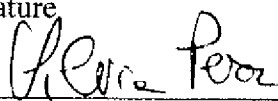

John M. Polo

DATE 6-21-00


Barbara A. ~~Bell~~ Belli BB

Witness Signature

DATE 6/22/00


Silvia Perri

DATE _____

Timothy C. Fong

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Witness Signature

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Silvia Perri

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Timothy C. Fong

Mark [Signature]

Witness Signature