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U.S. DEPARTMENT OF COMMERCE

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<p>1. Name of conveying party(ies):</p> <p>Rosemarie Irene Howie</p> <p style="text-align: center; font-size: 2em;">4-10-02</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>University of Guelph Guelph, Ontario N1G 2W1 Canada</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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3. Nature of conveyance:

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<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
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Execution Date: March 1, 2002

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)	B. Patent No.(s)
	5,840,504

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Douglas P. Mueller Address: Merchant &amp; Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725</p>
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9. Statement and signature:

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.

<p>Douglas P. Mueller</p> <p>_____ Name of Person Signing</p>	 <p>_____ Signature</p>	<p>March 27, 2002</p> <p>_____ Date</p>
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04/22/2002 TDIAZ1 00000120 5840504  
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**PATENT**  
**REEL: 012802 FRAME: 0237**

## ASSIGNMENT

WHEREAS I, **ROSEMARIE IRENE HOWIE**, whose full post office address is 27 Amalia Crescent, Belwood, Ontario, N0B 1J0, Canada is a co-inventor of the patent application entitled **METHOD FOR SEPARATING SEX SPECIFIC MOLECULES AND NON-SEX SPECIFIC MOLECULES** including those patent applications listed and identified in the attached Schedule A hereby incorporated in and made a part of this assignment (hereinafter called said patent applications);

AND WHEREAS **UNIVERSITY OF GUELPH**, of Guelph, Ontario, Canada N1G 2W1, has acquired from me the whole right, title and interest for the United States of America, Canada and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said patent applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, **ROSEMARIE IRENE HOWIE**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **UNIVERSITY OF GUELPH**, the full and exclusive right to the said invention in the United States of America, Canada and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part, renewals, re-examinations and extensions of said patent application, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said patent applications.

I agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, his successors, assigns and legal representatives or nominees.

I hereby authorize and request the Commissioner of Patents and Trademarks in the U.S. and all other equivalent patent granting authorities in other jurisdictions to issue said Letters Patent to the said **UNIVERSITY OF GUELPH**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grants the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other Patent Offices in the world for recordation of this document.

Signed at Guelph this 1<sup>st</sup> day of March, 2002

Amy Perry  
Signature of Witness

Rosemarie Howie  
**ROSEMARIE IRENE HOWIE**

**SCHEDULE A**

<b><u>Country</u></b>	<b><u>Patent/Appl. No.</u></b>	<b><u>Filing/Issue Date</u></b>
Australia	66526/96	August 9, 1996
Brazil	PI9610235.7	August 9, 1996
Canada	2,183,012	August 9, 1996
Europe	96926286.4	August 9, 1996
Japan	508769/1997	August 9, 1996
Mexico	981183	August 9, 1996
New Zealand	313947	August 9, 1996
United States	5,840,504	November 24, 1998