

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Deborah Haines	08/07/2003
Gordon Allan	08/08/2003
John Ellis	08/07/2003
Brian Meehan	08/08/2003
Edward Clark	09/05/2003
Lori Hassard	01/21/2004
John Harding	09/20/2003
Catherine Elisabeth Charreyre	10/23/2003
Giles Emile Chappuis	09/29/2003
Francis McNeilly	08/08/2003
Li Wang	01/26/2004
Lorne A Babiuk	12/13/2003
Andrew A Potter	12/10/2003
Philip Willson	12/10/2003

RECEIVING PARTY DATA

Name:	Merial Limited
Street Address:	P.O.Box 327, Sandringham House
Internal Address:	Sandringham Avenue, Harlow Business Park
City:	Harlow Essex, England
State/Country:	UNITED KINGDOM
Postal Code:	CM19 5TG

Name:	University of Saskatchewan
Street Address:	52 Campus Drive
City:	Saskatoon, Saskatchewan
State/Country:	CANADA
Postal Code:	S7W 5B4

501246383

PATENT
REEL: 024754 FRAME: 0928

CH \$120.00 11485240

Name:	The Queen's University of Belfast
Street Address:	Stoney Road, Stormont
City:	Belfast
State/Country:	UNITED KINGDOM
Postal Code:	BT4 3SD

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	11485240
Application Number:	11485525
Application Number:	11522237

CORRESPONDENCE DATA

Fax Number: (678)638-3350
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 678-638-3805
 Email: tiki.cantrell@merial.com
 Correspondent Name: Judy Jarecki-Black, Ph.D., J.D.
 Address Line 1: 3239 Satellite Blvd.
 Address Line 4: Duluth, GEORGIA 30096

ATTORNEY DOCKET NUMBER:	MER FLH 3179.9,.10,.11
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NAME OF SUBMITTER:	Tiki Cantrell
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Total Attachments: 30
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Frommer Lawrence & Haug LLP
File No.: 454313-3179.5
Serial No.: 10/653,849
Filing Date: September 2, 2003

ASSIGNMENT

We, Deborah HAINES, Gordon ALLAN, John ELLIS, Brian MEEHAN, Edward CLARK, Lori HASSARD, John HARDING, Catherine Elisabeth CHARREYRE, Gilles Emile CHAPPUIS, Francis MCNEILLY, Li WANG, Lorne A. BABIUK, Andrew A. POTTER and Philip WILLSON, who reside respectively at 812 13th Street East, Saskatoon, Saskatchewan, CANADA S7N 0M3; 51 Cabinhill Gds. Belfast, N. Ireland, GREAT BRITIAN; 812 13th Street East, Saskatoon, Saskatchewan, CANADA S7N 0M3; 26 St. John's Close, 2 Laganbank Road, Belfast BT1 3LX, N. Ireland, GREAT BRITIAN; 22 Murphy Crescent, Saskatoon, Saskatchewan, CANADA S7J 214; 443 Perrault Lane, Saskatoon, Saskatchewan, CANADA S7K 6B5; 43 Jubilee Drive, Humboldt, Saskatoon, Saskatchewan, CANADA SOK 2AO; 42 Rue Ferdinand Gauthier, 69720 Saint-Laurent de Mure, FRANCE; 3 Rue Laurent Vibert, 69006 Lyon, FRANCE; 4 Lisleen Place, Newtonards, BT3 4NH, N. Ireland, GREAT BRITIAN; 8-2501 7th Street East, Saskatoon, Saskatchewan, CANADA S7H 1A4; 245 E. Place, Saskatoon, Saskatchewan, CANADA S7J 2Y1; 521 Dalhousie Crescent, Saskatoon, Saskatchewan, CANADA S7H 3S5; and 3 Olivier Crescent, Saskatoon, Saskatchewan, CANADA S7H 3S5; have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: **POSTWEANING MULTISYSTEM WASTING SYNDROME VIRUS FROM PIGS** and **MERIAL LIMITED**, Registered in England and Wales No. 3332751, with registered offices at 27 Knightsbridge, London SW1X7QT, England, and domesticated in Delaware, USA as **MERIAL LLC**, including having an address at 3239 Satellite Blvd., Duluth, GA 30096-4640; **UNIVERSITY OF SASKATCHEWAN**, 52 Campus Drive, Saskatoon, Saskatchewan, CANADA S7W 5B4 and **THE QUEEN'S UNIVERSITY OF BELFAST**, Stoney Road, Stormont, Belfast, BT4 3SD, GREAT BRITIAN and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Aug 7/03
Date of Signature

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Date of Signature

Gordon ALLAN

07 AUG 03
Date of Signature

John ELZIS
John ELZIS

Date of Signature

Brian MEEHAN

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Andrew A. POTTER

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Philip WILLSON

Frommer Lawrence & Haug LLP
File No.: 454313-3179.5
Serial No.: To Be Assigned
Filing Date: September 2, 2003

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Date of Signature

8/AUG/2003

Date of Signature

Deborah HAINES



Gordon ALLAN

Date of Signature

John ELLIS

Date of Signature

Brian MEEHAN

Date of Signature

Edward CLARK

Date of Signature

Lori HASSARD

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John HARDING

Date of Signature

Catherine Elisabeth CHARREYRE

Date of Signature

Gilles Emile CHAPPUIS

8th AUG 2003
Date of Signature


Francis McNEILLY

Date of Signature

Li WANG

Date of Signature

Lorne A. BABIUK

Date of Signature

Andrew A. POTTER

Date of Signature

Philip WILLSON

Frommer Lawrence & Haug LLP
File No.: 454313-3179.5
Serial No.: To Be Assigned
Filing Date: Herewith

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Jan. 21, 2004

Date of Signature

Lori Hassard

Lori HASSARD

Date of Signature

John HARDING

Date of Signature

Catherine Elisabeth CHARREYRE

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Gilles Emile CHAPPUIS

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Francis McNEILLY

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Li WANG

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Lorne A. BABIUK

Date of Signature

Andrew A. POTTER

Date of Signature

Philip WILLSON

Frommer Lawrence & Haug LLP
File No.: 454313-3179.5
Serial No.: To Be Assigned
Filing Date: September 2, 2003

ASSIGNMENT

We, Deborah HAINES, Gordon ALLAN, John ELLIS, Brian MEEHAN, Edward CLARK, Lori HASSARD, John HARDING, Catherine Elisabeth CHARREYRE, Gilles Emile CHAPPUIS, Francis MCNEILLY, Li WANG, Lorne A. BABIUK, Andrew A. POTTER and Philip WILLSON, who reside respectively at 812 13th Street East, Saskatoon, Saskatchewan, CANADA S7N 0M3; 51 Cabinhill Gds. Belfast, N. Ireland, GREAT BRITIAN; 812 13th Street East, Saskatoon, Saskatchewan, CANADA S7N 0M3; 26 St. John's Close, 2 Laganbank Road, Belfast BT1 3LX, N. Ireland, GREAT BRITIAN; 22 Murphy Crescent, Saskatoon, Saskatchewan, CANADA S7J 214; 443 Perrault Lane, Saskatoon, Saskatchewan, CANADA S7K 6B5; 43 Jubilee Drive, Humboldt, Saskatoon, Saskatchewan, CANADA SOK 2AO; 42 Rue Ferdinand Gauthier, 69720 Saint-Laurent de Mure, FRANCE; 3 Rue Laurent Vibert, 69006 Lyon, FRANCE; 4 Lisleen Place, Newtonards, BT3 4NH, N. Ireland, GREAT BRITIAN; 8-2501 7th Street East, Saskatoon, Saskatchewan, CANADA S7H 1A4; 245 E. Place, Saskatoon, Saskatchewan, CANADA S7J 2Y1; 521 Dalhousie Crescent, Saskatoon, Saskatchewan, CANADA S7H 3S5; and 3 Olivier Crescent, Saskatoon, Saskatchewan, CANADA S7H 3S5; have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: **POSTWEANING MULTISYSTEM WASTING SYNDROME VIRUS FROM PIGS** and **MERIAL LIMITED**, Registered in England and Wales No. 3332751, with registered offices at 27 Knightsbridge, London SW1X7QT, England, and domesticated in Delaware, USA as **MERIAL LLC**, including having an address at 3239 Satellite Blvd., Duluth, GA 30096-4640; **UNIVERSITY OF SASKATCHEWAN**, 52 Campus Drive, Saskatoon, Saskatchewan, CANADA S7W 5B4 and **THE QUEEN'S UNIVERSITY OF BELFAST**, Stoney Road, Stormont, Belfast, BT4 3SD, GREAT BRITIAN and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

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2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

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Lori HASSARD

Sept 20/03.
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John HARDING

PATENT
454313-3179.5

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Lori HASSARD

PATENT
454313-3179.5

Date of Signature

October 23, 2003

Date of Signature

John HARDING



Catherine Elisabeth CHARREYRE

Date of Signature

Gilles Emile CHAPPUIS

Date of Signature

Francis McNEILLY

Date of Signature

Li WANG

Date of Signature

Lorne A. BABIUK

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Andrew A. POTTER

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Philip WILLSON

Frommer Lawrence & Haug LLP
File No.: 454313-3179.5
Serial No.: 10/653,849
Filing Date: September 2, 2003

ASSIGNMENT

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29 Sept 2003

Date of Signature

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4531 WESTCHESTER GLEN DRIVE
GRAND PRAIRIE, TEXAS 75052
USA

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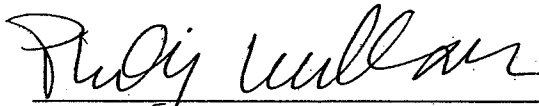
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Philip WILSON