# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Jeffrey W Warmke	07/10/2007
Youfeng Yang	07/06/2007
Doris F Cully	08/12/2007
Michel J Hamelin	08/06/2007

### **RECEIVING PARTY DATA**

Name:	Merial Limited
Street Address:	3239 Satellite Blvd.
City:	Duluth
State/Country:	GEORGIA
Postal Code:	30096

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11620390

## **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: judy.jarecki@merial.com

Correspondent Name: Judy Jarecki-Black, J.D., Ph.D.

Address Line 1: 3239 Satellite Blvd

Address Line 4: Duluth, GEORGIA 30096

ATTORNEY DOCKET NUMBER:	MER 20438.2

NAME OF SUBMITTER: Tiki Cantrell

Total Attachments: 5

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PATENT REEL: 021302 FRAME: 0523

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> PATENT REEL: 021302 FRAME: 0524

#### ASSIGNMENT

We, JEFFREY W. WARMKE, 20 Lombardi Street, Edison, NJ 08820. YOUFENG YANG, 6818 Wilson Lane, Bethesda, MD 20817, DORIS F. CULLY, 1211 Cooper Road, Scotch Plains, NJ 07076 and HAMELIN, 297 Montgomery Street, Apt. 4E, Jersey City, NJ 07302 have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: DNA Molecules Encoding L-Glutamate-Gated Chloride Channels From Rhipicephalus Sanguineus and MERIAL LIMITED, a company limited by shares Registered in England And Wales No. 3332751, with registered office at P.O. BOX 327, Sandringham House, Sandringham Avenue, Harlow business Park, Harlow Essex CM19 5QA, England, and domesticated in Delaware, USA as MERIAL LLC, with a place of business at 3239 Satellite Blvd., Duluth, GA 30096-4640, USA, 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

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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.

In testimony of which we have affixed our signatures.

INVENTOR(S):	<b>(2)</b>		
Signature: MW Man	No	Date:	105022007
Full name of sole or first inventor:	JEFFREY W. WARMKE		
Residence:	20 Lombardi Street		
	Edison, NJ 08820		
	USA		
Citizenship:	USA		
Signature:		Date:	
Full name of 2nd joint inventor (if an	y): YOUFENG YANG		
Residence:	6818 Wilson Lane		
	Bethesda, MD 20817		
	USA		
Citizenship:	USA		

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.

In testimony of which we have affixed our signatures.

INVENTOR(S):			
Signature:	<u> </u>	Date:	
Full name of sole or first inventor:	JEFFREY W. WARMKE		
Residence:	20 Lombardi Street		
	Edison, NJ 08820		
	USA		
Citizenship:	USA		
Signature:	6	Date:	07/06/07
Full name of 2nd joint inventor (if an	v): YOUFENG YANG		
Residence:	6818 Wilson Lane 6821 The Bethesda, MD 20817 USA	TAMMY	COURT
	Bethesda, MD 20817		
	USA	De	01/06/04
Citizenship:	USA	-	

Signature: Join & Cel	<b>}</b>	Date:	Jug 12, 2007
Full name of 3rd joint inventor (if any): Residence:	DORIS F. CULLY 1211 Cooper Road Scotch Plains, NJ 07076 USA		V
Citizenship:	USA		
Signature:		Date:	·
Full name of 4th joint inventor (if any): Residence:	MICHEL J. HAMELIN 297 Montgomery Street, Apt. 4E Jersey City, NJ 07302 USA		
Citizanshin:	TICA		

Signature:		Date: _		<del></del>
Full name of 3rd joint invento	r (if any): DORIS F. CULLY			
Residence:	1211 Cooper Road			
	Scotch Plains, NJ 07076			
	USA			
Citizenship:	USA			
Signature:	CH .	Date:	8/6/2007	
Full name of 4th joint invento	r (if any): MICHEL J. HAMELIN			
Residence:	297 Montgomery Street, Apt.	4E		
	Jersey City, NJ 07302			
1154	USA			
Citizenship:	USA			