

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Marc Andre Frese</td><td>08/12/2006</td></tr><tr><td>Krastyu G. Ugrinov</td><td>08/11/2006</td></tr><tr><td>Michael S. Evans</td><td>08/11/2006</td></tr><tr><td>Thomas Clarke IV</td><td>08/15/2006</td></tr><tr><td>Patricia L. Clark</td><td>08/20/2006</td></tr></tbody></table>		Name	Execution Date	Marc Andre Frese	08/12/2006	Krastyu G. Ugrinov	08/11/2006	Michael S. Evans	08/11/2006	Thomas Clarke IV	08/15/2006	Patricia L. Clark	08/20/2006
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Patricia L. Clark	08/20/2006												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>University of Notre Dame du Lac</td></tr><tr><td>Street Address:</td><td>511 Main Building</td></tr><tr><td>City:</td><td>Notre Dame</td></tr><tr><td>State/Country:</td><td>INDIANA</td></tr><tr><td>Postal Code:</td><td>46556</td></tr></table>		Name:	University of Notre Dame du Lac	Street Address:	511 Main Building	City:	Notre Dame	State/Country:	INDIANA	Postal Code:	46556		
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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>11211723</td></tr></tbody></table>		Property Type	Number	Application Number:	11211723								
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CORRESPONDENCE DATA													
Fax Number: (703)591-5907 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 703 561 2664													
Email: Diana.Cook@Jagtiani.com													
Correspondent Name: Michael G. Verga													
Address Line 1: 10363-A Democracy Ln													
Address Line 4: Fairfax, VIRGINIA 22030													
ATTORNEY DOCKET NUMBER:	UNND-0083-UT1												
NAME OF SUBMITTER:	Michael G. Verga												

OP \$40.00 11211723

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PATENT
REEL: 018278 FRAME: 0034

Total Attachments: 5

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PATENT

REEL: 018278 FRAME: 0035

ASSIGNMENT

WHEREAS, **MARC-ANDRE FRESE**, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a **MOLECULAR CONSTRUCTS AND USES THEREOF IN RIBOSOMAL TRANSLATIONAL EVENTS** (hereinafter referred to as **THE INVENTION**) for which an application for United States Letters Patent was filed;

WHEREAS, the **UNIVERSITY OF NOTRE DAME DU LAC**, whose post office address is **511 Main Building, Notre Dame, Indiana 46556** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties, and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR's hereby grants the firm of Jagtiani + Guttag of Fairfax, VA (Registration No. 35,205) 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 for recordation of this document.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf, and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Marc-Andre Frese
Windfeldstr 37
Eger GERMANY 32130

M.-A. Frese
Signature
August 12th, 2006
Date
313-27-8941
SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____.

Notary Public

UTILITY
UNND-0003-UT1

ASSIGNMENT

WHEREAS, KRASTYU G. UGRINOV, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a **MOLECULAR CONSTRUCTS AND USES THEREOF IN RIBOSOMAL TRANSLATIONAL EVENTS** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, the UNIVERSITY OF NOTRE DAME DU LAC, whose post office address is 511 Main Building, Notre Dame, Indiana 46556 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby grants the firm of Jagtiani + Guttig of Fairfax, VA (Registration No. 35,305) 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 for recordation of this document.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Krastyu G. Ugrinov
100 University Village, Apt. M22
Notre Dame, IN 46556

K. Ugrinov
Signature
08-11-06
Date
312-25-6792
SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this _____ day of _____

Notary Public

UTILITY
UNND-003-UT1

ASSIGNMENT

WHEREAS, MICHAEL S. EVANS, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a MOLECULAR CONSTRUCTS AND USES THEREOF IN RIBOSOMAL TRANSLATIONAL EVENTS (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, the UNIVERSITY OF NOTRE DAME DU LAC, whose post office address is 511 Main Building, Notre Dame, Indiana 46556 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention;

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR's hereby grants the firm of Jagtiani + Guttag of Fairfax, VA (Registration No. 35,205) 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 for recordation of this document.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Michael S. Evans
2229 Ingewood Place
South Bend, IN 46616

Michael S. Evans
Signature

11 August 2006
Date

603-03-2446
SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____

Notary Public

ASSIGNMENT

WHEREAS, THOMAS CLARKE, IV, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a **MOLECULAR CONSTRUCTS AND USES THEREOF IN RIBOSOMAL TRANSLATIONAL EVENTS** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, the UNIVERSITY OF NOTRE DAME DU LAC, whose post office address is **511 Main Building, Notre Dame, Indiana 46556** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.


ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

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Thomas Clarke, IV
2 Fischer Grad. Res. 1B
Notre Dame, IN 46556



Signature
August 15, 2006

Date
027605755

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____

Notary Public

ASSIGNMENT

WHEREAS, **PATRICIA L. CLARK**, whose post office address appears below (hereinafter referred to as **ASSIGNOR**), has invented certain new and useful improvements in a **MOLECULAR CONSTRUCTS AND USES THEREOF IN RIBOSOMAL TRANSLATIONAL EVENTS** (hereinafter referred to as **THE INVENTION**) for which an application for United States Letters Patent was filed;

WHEREAS, the **UNIVERSITY OF NOTRE DAME DU LAC**, whose post office address is **511 Main Building, Notre Dame, Indiana 46556** (hereinafter referred to as **ASSIGNEE**), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, **ASSIGNOR**, by these presents does sell, assign and transfer unto said **ASSIGNEE**, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded **ASSIGNOR** under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

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Patricia L. Clark
804 Park Avenue
South Bend, IN 46616



Signature

0/20/06

Date

017-58-7091

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____

Notary Public

PATENT

RECORDED: 09/20/2006

REEL: 018278 FRAME: 0040