

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3460586

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANITA MAGUIRE	06/26/2015
SARAH JANE KEANE	06/23/2015
ALAN FORD	06/24/2015
NUALA MAGUIRE	06/24/2015
NICHOLAS D. MULLINS	06/24/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY COLLEGE CORK
<b>Street Address:</b>	WESTERN ROAD
<b>Internal Address:</b>	COUNTY CORK
<b>City:</b>	CORK
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14442970
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	21745.0001
<b>NAME OF SUBMITTER:</b>	LAUREN LEE
<b>SIGNATURE:</b>	/Lauren Lee/
<b>DATE SIGNED:</b>	07/29/2015
<b>Total Attachments: 6</b>	

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ASSIGNMENT

For valuable consideration, we, Anita MAGUIRE, Sarah Jane KEANE, Alan FORD, Nuala MAGUIRE, and Nicholas D. MULLINS, all of Cork, Ireland, hereby assign to UNIVERSITY COLLEGE CORK, having a place of business at Western Road, County Cork, Cork, Ireland, its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PHOSPHONUCLEOSIDES USEFUL IN THE TREATMENT OF VIRAL DISORDERS, filed May 14, 2015, and assigned U.S. Application Number 14/442,970, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at UNIVERSITY COLLEGE CORK  
this 26<sup>th</sup> day of JUNE, 2015

Anita R. Maguire L.S.  
Anita MAGUIRE

City of Cork :

: ss.

Country of IRELAND :

Signature witnessed by:

26/06/15

Date:

WITNESS: Dorothy Curran

Printed Name: DEBORAH CURRAN

Address: ABER, UNIVERSITY COLLEGE  
CORK.

Signature witnessed by:

26/06/15

Date:

WITNESS: Fiona O'Shea

Printed Name: FIONA O'SHEA

Address: UNIVERSITY COLLEGE,  
CORK

In WITNESS WHEREOF, I hereto set my hand and seal at Cork County  
this 23 day of June, 2015  
Sarah Jane Keane L.S.  
Sarah Jane KEANE

City of Cork  
Country of Ireland

Signature witnessed by: [Signature]  
Date: \_\_\_\_\_

WITNESS: [Signature]  
Printed Name: ROBERT DOWE  
Address: Nowarbo Ringaskilla  
Co. Cork, Ireland

Signature witnessed by: [Signature]  
Date: \_\_\_\_\_

WITNESS: [Signature]  
Printed Name: [Name]  
Address: Nowarbo Ringaskilla, Co.  
Cork, Ireland

In WITNESS WHEREOF, I hereto set my hand and seal at UCC  
this 24th day of JUNE, 2015  
[Signature] U.S.  
Alan FORD

City of CORK :  
Country of IRELAND :

Signature witnessed by:  
24/06/15  
Date

WITNESS: [Signature]  
Printed Name: DEBBIE CURRAN  
Address: ASCRF UNIVERSITY COLLEGE  
CORK

Signature witnessed by:  
24/06/15  
Date

WITNESS: [Signature]  
Printed Name: FIONA O'SHEA  
Address: ONPRT. UNIVERSITY  
COLLEGE CORK

In WITNESS WHEREOF, I hereto set my hand and seal at UCC  
this 24 day of June, 20 15  
Nuala Maguire U.S.  
Nuala MAGUIRE

City of Cork :

Country of Ireland :

Signature witnessed by:  
24/06/15  
Date

WITNESS: Dorbie Curran  
Printed Name: DORBIE CURRAN  
Address: ARCEL UNIVERSITY  
COLLEGE CORK

Signature witnessed by:  
24/06/15  
Date

WITNESS: Fiona O'Shea  
Printed Name: FIONA O'SHEA  
Address: OIPET, UNIVERSITY COLLEGE  
CORK

I, WITNESS WHEREOF, I hereto set my hand and seal at UCC  
this 24 day of June, 2015  
Nicholas G. MULLINS L.S.

City of Cork  
Country of IRELAND

Signature witnessed by:  
24/06/15  
Date

WITNESS: Debbie Curran  
Printed Name: DEBBIE CURRAN  
Address: ABCF, UNIVERSITY  
COLLEGE CORK

Signature witnessed by:  
26/06/15  
Date

WITNESS: Fiona O'Shea  
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COLLEGE CORK