

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
IVAN DIMOV	01/29/2013
PAUL LEONARD	01/04/2013
RICHARD O'KENNEDY	01/04/2013
VALERIE FITZGERALD	01/04/2013
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<b>City:</b>	GLASNEVIN, DUBLIN 9
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13809833
Application Number:	61363715
Application Number:	15047297
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	075437.00037
<b>NAME OF SUBMITTER:</b>	NICOLE L. KRAMER
<b>SIGNATURE:</b>	/nicole l kramer/
<b>DATE SIGNED:</b>	12/19/2018
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

**WHEREAS**, we, **Paul Leonard**, a citizen of Ireland, having a mailing address of 76 Racehill Park, Ashbourne, County Meath, Ireland; **Ivan Dimov**, a citizen of Chile, having a mailing address of P.O. Box 814, Puerto Montt, Chile; **Richard O'Kennedy**, a citizen of Ireland, having a mailing address of 4 Winton Avenue, Rathgar, Dublin 6, Ireland; and **Valerie Fitzgerald**, a citizen of Ireland, having a mailing address of 25 The Courtyard, Killeghland Street, Ashbourne, County Meath, Ireland; hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

### **Direct Clone Analysis and Selection Technology**

for which we have executed U.S. Patent Application No. 13/809,833, filed on January 11, 2013, claiming priority to PCT Application No. PCT/EP2011/062015, filed July 13, 2011, European Patent Application No. 10007198.4, filed July 13, 2010 and U.S. Provisional Patent Application No. 61/363,715, filed July 13, 2010.

**ASSIGNORS** authorize **ASSIGNEE** or **ASSIGNEE's** representative to insert the Application Number and Filing Date of this application if they are unknown at the time of execution of this Assignment.

**WHEREAS**, **Dublin City University**, having a place of business at Collins Avenue, Glasnevin, Dublin 9, Ireland, hereinafter generally referred to as "**ASSIGNEE**", is desirous of acquiring said invention and said patent application.


**NOW, THEREFORE**, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned **ASSIGNORS**, hereby agree to sell, assign, transfer and convey and by these presents does sell, assign, transfer and convey unto the above-named **ASSIGNEE**, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

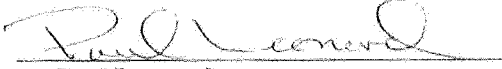
in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNOR.

_____	_____	(Seal)
Date	<b>Paul Leonard</b>	
		
Jan 29, 2013	_____	(Seal)
_____	<b>Ivan Dimov</b>	
Date		
	_____	(Seal)
_____	<b>Richard O'Kennedy</b>	
Date		
	_____	(Seal)
_____	<b>Valerie Fitzgerald</b>	
Date		

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNOR.

4<sup>th</sup> Jan 2013  
Date

 (Seal)  
Paul Leonard

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ivan Dimov (Seal)

04-01-2013  
Date

 (Seal)  
Richard O'Kennedy

4.1.2013  
Date

 (Seal)  
Valerie Fitzgerald