

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3425720

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OLIVIER NEGRE	12/15/2011
EMMANUEL PAYEN	12/15/2011
PHILIPPE LEBOULCH	12/15/2011
YVES BEUZARD	12/16/2011
RECEIVING PARTY DATA	
Name:	BLUEBIRD BIO, INC.
Street Address:	840 MEMORIAL DRIVE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14346647
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ATTORNEY DOCKET NUMBER:	BLBD-005/00US 315698-2182
NAME OF SUBMITTER:	MICHAEL J. MCDONALD
SIGNATURE:	/Michael J. McDonald/
DATE SIGNED:	07/06/2015
Total Attachments: 5	
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PATENT

REEL: 035980 FRAME: 0582

ASSIGNMENT

WHEREAS, we,

Name	Address	
Olivier NEGRE	1 ter rue des Hucheries, 91400 Orsay, France	;
Emmanuel PAYEN	22 rue de Marnes, 92410 Ville d'Avray, France	;
Philippe LEBOULCH	32 boulevard Marbeau, 75116 Paris, France	; and
Yves BEUZARD	7 rue Villersexel, 75007 Paris, France	

(hereinafter referred to as ASSIGNORS), having addresses as listed above next to our names, are the joint inventors of an invention entitled "IMPROVED GENE THERAPY METHODS," as described and claimed in the specification for which a PCT international application was filed in the U.S. Receiving Office of the PCT on September 23, 2011, and which was assigned PCT International Application No. PCT/US2011/053096; and

WHEREAS, Bluebird Bio, Inc., (hereinafter referred to as ASSIGNEE), a corporation incorporated under the laws of the state of Delaware, having a place of business at 840 Memorial Drive, Cambridge, Massachusetts 02139 USA, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE their entire right, title and interest in and to said invention, said PCT international application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States provisional applications to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, PCT international application and all letters patent on said invention to be held and enjoyed by ASSIGNEES and their successors and assign as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS agree to execute all

instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

This Assignment is considered effective as from September 22, 2011.

Date December 15th, 2011 
Date _____ Olivier Negre _____

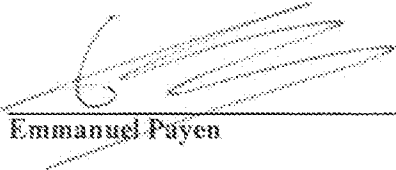
Witness: S. Henry

Printed Name: Sylvia NEWAY

Witness: _____

Printed Name: _____

December 15th, 2011
Date


Emmanuel Payen

Witness: P. Henry

Printed Name: Elyse HENRY

Witness: _____

Printed Name: _____

December 15, 2011
Date

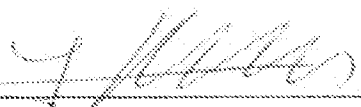
Philippe Leboulch
Philippe Leboulch

Witness: P. Henry

Printed Name: Philip HENRY

Witness: _____

Printed Name: _____

Date 12/16/2011 
Yves Beuzard

Witness: S. Henry

Printed Name: Sylvie HENRY

Witness: _____

Printed Name: _____

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