

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4226113

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNMENT DOCUMENT previously recorded on Reel 036871 Frame 0811. Assignor(s) hereby confirms the ASSIGNMENT.	
<b>RESUBMIT DOCUMENT ID:</b>	504161753	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JOSEPH E. PAYNE	11/21/2016
	PADMANABH CHIVUKULA	11/21/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ARCTURUS THERAPEUTICS, INC.	
<b>Street Address:</b>	10628 SCIENCE CENTER DRIVE	
<b>Internal Address:</b>	SUITE 200	
<b>City:</b>	SAN DIEGO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92121	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14707796
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(215)568-3439	
<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>		
<b>Phone:</b>	(215) 568-3100	
<b>Email:</b>	assignments@bakerlaw.com	
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<b>Address Line 2:</b>	12TH FLOOR	
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104-2891	
<b>ATTORNEY DOCKET NUMBER:</b>	101845.000020	
<b>NAME OF SUBMITTER:</b>	LAURA RAE WORKMAN	
<b>SIGNATURE:</b>	/Laura Rae Workman/	
<b>DATE SIGNED:</b>	01/13/2017	
<b>Total Attachments: 5</b>		

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## Electronic Patent Assignment System

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>PADMANABH CHIVUKULA</td><td>04/29/2015</td></tr><tr><td>JOSEPH E. PAYNE</td><td>04/29/2015</td></tr></tbody></table>	Name	Execution Date	PADMANABH CHIVUKULA	04/29/2015	JOSEPH E. PAYNE	04/29/2015							
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<b>RECEIVING PARTY DATA</b>													
<table border="1"><tr><td><b>Name:</b></td><td>ARCTURUS THERAPEUTIC, INC.</td></tr><tr><td><b>Street Address:</b></td><td>10628 SCIENCE CENTER DRIVE</td></tr><tr><td><b>Internal Address:</b></td><td>SUITE 200</td></tr><tr><td><b>City:</b></td><td>SAN DIEGO</td></tr><tr><td><b>State/Country:</b></td><td>CALIFORNIA</td></tr><tr><td><b>Postal Code:</b></td><td>92121</td></tr></table>	<b>Name:</b>	ARCTURUS THERAPEUTIC, INC.	<b>Street Address:</b>	10628 SCIENCE CENTER DRIVE	<b>Internal Address:</b>	SUITE 200	<b>City:</b>	SAN DIEGO	<b>State/Country:</b>	CALIFORNIA	<b>Postal Code:</b>	92121	
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<b>CORRESPONDENCE DATA</b>													
Fax Number: (215)568-3439 Phone: 2155683100 Email: <a href="mailto:assignments@bakerlaw.com">assignments@bakerlaw.com</a> <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> Correspondent Name: BAKER & HOSTETLER LLP Address Line 1: 2929 ARCH STREET Address Line 2: CIRA CENTRE, 12TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104													
<b>ATTORNEY DOCKET NUMBER:</b>	101845.000020												
<b>NAME OF SUBMITTER:</b>	CARLY WHIMS												
<b>Signature:</b>	/Carly Whims/												
<b>Date:</b>	10/23/2015												
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<b>RECEIPT INFORMATION</b>													
EPAS ID: PAT3584893 Receipt Date: 10/23/2015													

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CORRECTIVE ASSIGNMENT

WHEREAS I, Joseph E. Payne, residing at San Diego, California, ASSIGNOR, am an inventor of one or more inventions ("the invention") disclosed, described and/or claimed in United States Patent Application No. 14/546,105, filed November 18, 2014, and entitled IONIZABLE CATIONIC LIPID FOR RNA DELIVERY ("the subject application"), which claims benefit under 35 U.S.C. §119(e) from provisional patent application number 61/905,724, filed November 18, 2013, ("the priority application");

AND WHEREAS Arcturus Therapeutics, Inc., ASSIGNEE, having a place of business at 10628 Science Center Drive, Suite 200, San Diego, California 92121, United States of America, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, effective as of November 18, 2014, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 21<sup>st</sup> day of November, year of 2016.

Joseph E. Payne  
Joseph E. Payne

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATEMENT OF NOTARY PUBLIC

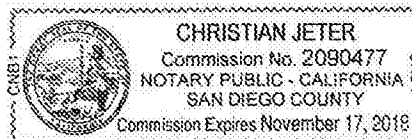
STATE OF California:

: SS

COUNTY OF San Diego:

On this 21<sup>st</sup> day of November, year of 16, before me personally came the above named Joseph E. Payne to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

[Signature]  
Notary Public



CORRECTIVE ASSIGNMENT

WHEREAS I, Padmanabh Chivukula, residing at San Diego, California, ASSIGNOR, am an inventor of one or more inventions ("the invention") disclosed, described and/or claimed in United States Patent Application No. 14/546,105, filed November 18, 2014, and entitled IONIZABLE CATIONIC LIPID FOR RNA DELIVERY ("the subject application"), which claims benefit under 35 U.S.C. §119(e) from provisional patent application number 61/905,724, filed November 18, 2013, ("the priority application");

AND WHEREAS Arcturus Therapeutics, Inc., ASSIGNEE, having a place of business at 10628 Science Center Drive, Suite 200, San Diego, California 92121, United States of America, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

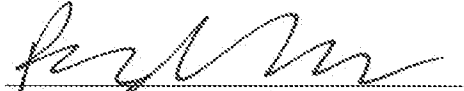
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, effective as of November 18, 2014, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 21<sup>st</sup> day of November, year of 2016.

  
Padmanabh Chivukula

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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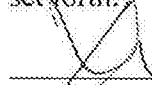
STATEMENT OF NOTARY PUBLIC

STATE OF California:

: SS

COUNTY OF San Diego:

On this 21<sup>st</sup> day of November, year of 2016, before me personally came the above named Padmanabh Chivukula to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

  
Notary Public

