

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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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>
	UNIVERSITAET HAMBURG	06/05/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ARCTURUS THERAPEUTICS, INC.	
<b>Street Address:</b>	10628 SCIENCE CENTER DRIVE, SUITE 250	
<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:	17876803
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(617)542-2241	
<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>Email:</b>	IPDocketingBOS@mintz.com, AOlivos@mintz.com	
<b>Correspondent Name:</b>	MINTZ LEVIN	
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<b>ATTORNEY DOCKET NUMBER:</b>	048536-536C01US	
<b>NAME OF SUBMITTER:</b>	GERTRUD U. REY	
<b>SIGNATURE:</b>	/GERTRUD U. REY/	
<b>DATE SIGNED:</b>	01/04/2023	
<b>Total Attachments: 2</b>		
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source=049386-536C01US_EXECUTED ASSIGNMENT from Universitaet Hamburg to Arcturus#page2.tif		

## **ASSIGNMENT**

In consideration of the payment by ASSIGNEE to ASSIGNOR of valuable consideration, receipt whereof is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR                      **Universitaet Hamburg**  
Mittelweg 177  
20148 Hamburg  
Germany

hereby sell, assign and transfer to

ASSIGNEE                      **Arcturus Therapeutics, Inc.**  
10628 Science Center Drive, Suite 250  
San Diego, CA 92121  
USA

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and countries foreign thereto, in and to any and all improvements which are disclosed in the invention entitled **"SYNTHETIC TRANSFER RNA WITH EXTENDED ANTICODON LOOP"**, and which is found in U.S. Patent Application Serial Number 16/980,927 filed September 15, 2020 or any continuation, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including the right to claim priority under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the ASSIGNEE, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the ASSIGNEE in connection with the United States application when called upon to do so by the Assignee;

ASSIGNOR hereby covenant that no assignment, sale, agreement or encumbrance has been made or will be made or entered into which would conflict with this Assignment;

ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or

U.S. Application No.: 16/980,927  
Assignment  
Attorney Docket: 3960.053

enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Universitaet Hamburg

Date: 6.1.2021

By: H. Schlüter  
Name: Dr. Harald Schlüter  
Title: Authorized Signatory of Universitaet Hamburg.

By: Marco Steinbring  
Name: Marco Steinbring  
Title: Authorized Signatory of Universitaet Hamburg.

Arcturus Therapeutics, Inc. hereby accepts the Assignment:

Date: 7.1.2021

By: Padmanabh Chivukula  
Name: Padmanabh Chivukula, Ph.D.  
Title: Authorized Representative of Arcturus Therapeutics, Inc.