

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4797251

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NORTH CAROLINA STATE UNIVERSITY, RALEIGH	01/25/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL SCIENCE FOUNDATION
<b>Street Address:</b>	2415 EISENHOWER AVENUE
<b>Internal Address:</b>	ROOM W 18000
<b>City:</b>	ALEXANDRIA
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22314
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15735028
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)292-9041
<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>Email:</b>	nsfpatents@nsf.gov
<b>Correspondent Name:</b>	NATIONAL SCIENCE FOUNDATION
<b>Address Line 1:</b>	2415 EISENHOWER AVENUE
<b>Address Line 2:</b>	ROOM W 18000
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>NAME OF SUBMITTER:</b>	DANA THIBODEAU
<b>SIGNATURE:</b>	/DMT/
<b>DATE SIGNED:</b>	01/29/2018
<b>Total Attachments: 1</b> source=4246#page1.tif	

# License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Methods and Compositions for Efficient Delivery of Nucleic Acids and RNA-Based

Antimicrobial

Inventor(s): Chase Law Beisel, Ahmed Abd Gomaa, Michelle Luo

U.S. Filing/Issue Date: 12/09/2017

Patent or Application Serial No.: 15/735,028

Grant/Contract Number(s): 1452982

Foreign Applications filed/intended in (countries): \_\_\_\_\_

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 25<sup>th</sup> day of January, 2018.  
By Amanda Ottaway, MLIS, RTTP (Institutional Business Official)  
Assistant Director of Finance and Operations (Signature)  
Title \_\_\_\_\_

For NORTH CAROLINA STATE UNIVERSITY RALEIGH  
(Grantee/Contractor Organization)

At 1021 Main Campus Dr Raleigh, NC 27606  
(Business Address)