

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4198073

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PATRICK L. IVERSEN	07/26/2004
HONG M. MOULTON	07/20/2004
MICHELLE H. NELSON	07/20/2004
ANDREW D. KROEKER	07/20/2004
DAVID A. STEIN	07/20/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AVI BIOPHARMA, INC.
<b>Street Address:</b>	4575 S.W. RESEARCH WAY, SUITE 200
<b>City:</b>	CORVALLIS
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97333
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12265499
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(857)300-4001
<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>	857-300-4003
<b>Email:</b>	bostonpatent@lathropgage.com,dvincent@lathropgage.com
<b>Correspondent Name:</b>	LATHROP & GAGE LLP
<b>Address Line 1:</b>	28 STATE STREET
<b>Address Line 2:</b>	BRIAN C. TRINQUE, PH.D., ESQ.
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02109
<b>ATTORNEY DOCKET NUMBER:</b>	582964: SPT-8050CON
<b>NAME OF SUBMITTER:</b>	BRIAN C. TRINQUE, PH.D., ESQ.
<b>SIGNATURE:</b>	/BRIAN C. TRINQUE/
<b>DATE SIGNED:</b>	12/22/2016
<b>Total Attachments: 7</b>	

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**Assignment**

THIS ASSIGNMENT, by Patrick L. Iversen, Hong M. Moulton, Michelle H. Nelson, Andrew D. Kroeker, and David A. Stein, (hereinafter referred to as the Assignors), all residing in Corvallis, Oregon; witnesseth:

WHEREAS, the said Assignors have invented certain new and useful inventions set forth in an application for Letters Patent of the United States entitled **COMPOSITIONS FOR ENHANCING TRANSPORT OF MOLECULES INTO CELLS** bearing Serial No. **10/836,804** and filed on **April 29, 2004**;

WHEREAS, **AVI BioPharma, Inc.**, a corporation duly organized under and pursuant to the laws of **Oregon**, and having its principal place of business at **4575 S.W. Research Way, Suite 200, Corvallis, OR 97333** (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, the said Assignors have sold, assigned, transfer and set over, and by these presents does sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues, reexaminations, or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.


AND, for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignors are the joint and lawful owners of the

entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

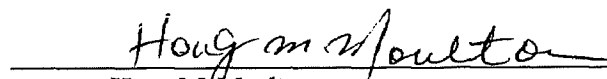
AND, for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignors will, whenever counsel of the said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignees, their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND, the said Assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.


Date: 7/26/04

  
Patrick L. Iversen

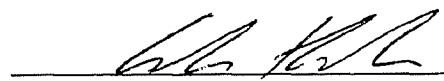
Date: 7/20/04

  
Hong M. Moulton

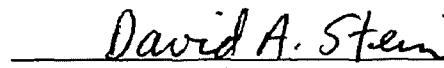
Date: 7/20/04

  
Michelle H. Nelson

Date: 7/20/04

  
Andrew D. Kroeker

Date: 7/20/04

  
David A. Stein

WITNESSES TO SIGNATURE BY Patrick L. Iversen

1. 

_____ Signature	_____ Date
_____ Print Name	
_____ Street Address	
_____ City, State & Zip Code	
  
2. 

_____ Signature	_____ Date
_____ Print Name	
_____ Street Address	
_____ City, State & Zip Code	

STATE OF Oregon  
 COUNTY OF Benton

On 7-26-04 before me, Beth Chamblin, personally appeared **Patrick L. Iversen**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



(Seal)

WITNESS my hand and official seal.

Beth Chamblin  
 Signature

WITNESSES TO SIGNATURE BY **Hong M. Moulton**

1.

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Print Name \_\_\_\_\_  
\_\_\_\_\_  
Street Address \_\_\_\_\_  
\_\_\_\_\_  
City, State & Zip Code \_\_\_\_\_

2.

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Print Name \_\_\_\_\_  
\_\_\_\_\_  
Street Address \_\_\_\_\_  
\_\_\_\_\_  
City, State & Zip Code \_\_\_\_\_

STATE OF Oregon  
COUNTY OF Benton

On 7-20-04 before me, Beth Chamblin, personally appeared **Hong M. Moulton**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



(Seal)

Beth Chamblin  
Signature

WITNESSES TO SIGNATURE BY Michelle H. Nelson

1. \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Print Name \_\_\_\_\_  
\_\_\_\_\_  
Street Address \_\_\_\_\_  
\_\_\_\_\_  
City, State & Zip Code \_\_\_\_\_
2. \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Print Name \_\_\_\_\_  
\_\_\_\_\_  
Street Address \_\_\_\_\_  
\_\_\_\_\_  
City, State & Zip Code \_\_\_\_\_

STATE OF Oregon  
COUNTY OF Benton

On July 20, 2004 before me, Beth Chamblin, personally appeared **Michelle H. Nelson**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



(Seal)

Beth Chamblin  
Signature

WITNESSES TO SIGNATURE BY **Andrew D. Kroeker**

1. \_\_\_\_\_  

Signature
Date

---

Print Name

---

Street Address

---

City, State & Zip Code

---
  
2. \_\_\_\_\_  

Signature
Date

---

Print Name

---

Street Address

---

City, State & Zip Code

---

STATE OF Oregon  
 COUNTY OF Benton

On 7-20-04 before me, Beth Chamblin, personally appeared **Andrew D. Kroeker**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Beth Chamblin  
 Signature





WITNESSES TO SIGNATURE BY David A. Stein

1. 

Signature	Date
Print Name	
Street Address	
City, State & Zip Code	
  
2. 

Signature	Date
Print Name	
Street Address	
City, State & Zip Code	

STATE OF Oregon  
 COUNTY OF Benton

On 7-20-04 before me, Beth Chamblin, personally appeared **David A. Stein**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



(Seal)

WITNESS my hand and official seal.

Beth Chamblin  
 Signature