

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	INTELLECTUAL PROPERTY SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARRONE BIO INNOVATIONS, INC.	02/27/2019
RECEIVING PARTY DATA	
Name:	IVY INVESTMENT MANAGEMENT COMPANY, AS AGENT
Street Address:	6300 LAMAR AVENUE
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66202
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	16177656
Application Number:	16177641
Application Number:	62784656
CORRESPONDENCE DATA	
Fax Number:	(213)891-8763
<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>	
Email:	rhonda.deleon@lw.com
Correspondent Name:	LATHAM & WATKINS LLP
Address Line 1:	355 SOUTH GRAND AVENUE
Address Line 4:	LOS ANGELES, CALIFORNIA 90071-1560
ATTORNEY DOCKET NUMBER:	052788-0016
NAME OF SUBMITTER:	RHONDA DELEON
SIGNATURE:	/Rhonda DeLeon/
DATE SIGNED:	02/28/2019
Total Attachments: 6	
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into on February 27 2019 by and between IVY INVESTMENT MANAGEMENT COMPANY, a Delaware corporation ("Agent") and MARRONE BIO INNOVATIONS, INC., a Delaware corporation ("Grantor").

RECITALS

A. Ivy Science & Technology Fund, Waddell & Reed Advisors Science & Technology Fund and Ivy Funds VIP Science & Technology ("Purchasers") have agreed to purchase certain notes (the "Notes") from Grantor in the amounts and manner set forth in that certain Note Purchase Agreement by and among Purchasers and Grantor dated as of August 20, 2015 (as the same may be amended, modified or supplemented from time to time, the "Purchase Agreement"; capitalized terms used herein are used as defined in the Purchase Agreement).

B. Purchasers are willing to purchase the Notes from Grantor, but only upon the condition, among others, that Grantor shall grant to Agent, for the benefit of Purchasers, a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Notes.

C. Pursuant to the terms of that certain Security Agreement dated as of August 20, 2015 (the "Security Agreement") between Grantor, Agent and Purchasers, Grantor has granted to Agent, for the benefit of Purchasers, a security interest in all of Grantor's right, title and interest whether presently existing or hereafter acquired, in, to and under all of the Collateral (as defined in the Security Agreement).

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Notes and all other agreements now existing or hereafter arising among Purchasers, Grantor and Agent, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure the Obligations (as defined in the Notes), Grantor grants and pledges to Agent, for the benefit of Purchasers, a security interest in all of Grantor's right, title and interest in, to and under its "Intellectual Property" as defined in that certain Intercreditor Agreement dated as of August 20, 2015, as amended (the "Intercreditor Agreement") among Agent, Gordon Snyder, an individual, and Grantor (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all goodwill associated therewith, all rights corresponding thereto throughout the world and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part thereof, provided that notwithstanding anything herein to the contrary, in no event shall the Grantor be deemed to have granted security interest in, any of the Grantor's right, title or interest in any lease, license,

contract, or agreement, as such, or the assets subject thereto, if under the terms of such lease, license, contract or agreement or applicable law with respect thereto, the valid grant of security interest or lien therein or in such assets to the Agent is prohibited and such prohibition has not been or is not waived or the consent of the other party to such lease, license, contract or agreement has not been or is not otherwise obtained or under applicable law such prohibition cannot be waived provided that the foregoing exclusion shall in no way be construed to apply if any such prohibition would be rendered ineffective under the UCC or other applicable law or principles of equity construed so as to limit, impair or otherwise affect the Agent's unconditional continuing security interests in, and liens upon, any rights or interests of the Grantor in or to the proceeds thereof including monies due or to become due under any such lease, license, contract or agreement including any Accounts, in each case, that are not subject to such prohibitions or construed to apply at such time as the condition causing such prohibition shall be remedied and to the extent severable Collateral shall include any portion of such lease, license, contract, agreement or assets subject thereto that does not result in such prohibition.

This security interest is granted in conjunction with the security interest granted to Agent under the Security Agreement. The rights and remedies of Agent with respect to the security interest granted hereby are in addition to those set forth in the Security Agreement and the other Transaction Documents and those which are now or hereafter available to Agent as a matter of law or equity. Each right, power and remedy of Agent provided for herein or in the Security Agreement or any of the Transaction Documents or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Agent of any one or more of the rights powers or remedies provided for in this Intellectual Property Security Agreement, the Security Agreement or any of the other Transaction Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person including Agent of any or all other rights powers or remedies. This Intellectual Property Security Agreement constitutes a Loan Document (under and as defined in the Note).

Grantor represents and warrants that Exhibits A, B and C attached hereto, together with Exhibits A, B and C attached to that certain Intellectual Property Security Agreement between Grantor and Agent effective as of August 15, 2015 (as modified by (i) that certain Intellectual Property Security Agreement between Grantor and Agent effective as of June 13, 2018 and (ii) that certain Intellectual Property Security Agreement between Grantor and Agent effective as of September 13, 2018), set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable, in each case, as of January 4, 2019 (other than any intent-to-use trademark application for which no "Statement of Use" or "Amendment to Allege Use" has been filed with the United States Patent and Trademark Office).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

MARRONE BIO INNOVATIONS, INC.

By: [Signature]
Name: WILLIAM V. MOORE
Title: CEO and General Counsel

AGENT:

IVY INVESTMENT MANAGEMENT COMPANY

By: [Signature]
Name: ZACHARY H. SHAFER
Title: SENIOR VICE PRESIDENT

EXHIBIT A

Copyrights

Title	Registration No.	Date
Bio with a Bite: Bear	VA0002128115	2017
Bio with a Bite: Crocodile	VA0002124404	2017
Bio with a Bite: Lion	VA0002128116	2017
Mussel	VA0002124336	2017
Bio with a Bite: Shark	VA0002128117	2017
Bio with a Bite: Tiger	VA0002124243	2017
Bio with a Bite: Tyrannosaurus	VA0002128118	2017
Bio with a Bite: Viper	VA0002128119	2017

EXHIBIT B

Patents and Patent Applications

Title	Application No. Filing Date	Publication No. Issue Date
CHROMOBACTERIUM SUBTUSGAE GENOME	16/177,656 11/01/2018	
Use of Burkholderia Formulations, Compositions and Compounds to Modulate Crop Yield and/or Corn Rootworm Infestation	16/177,641 11/01/2018	
A METHOD FOR INCREASING ROMIDEPSIN PRODUCTION FROM FERMENTATION BROTH	62/784,656 12/24/2018	

EXHIBIT C

Trademarks

None.