

# PATENT ASSIGNMENT

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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>
Danny ALEXANDER	06/09/2011
Jeffrey SHUSTER	04/19/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	METABOLON, INC.
<b>Street Address:</b>	617 Davis Drive
<b>Internal Address:</b>	Suite 400
<b>City:</b>	Durham
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27560
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13082843
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<b>ATTORNEY DOCKET NUMBER:</b>	13778-73
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<b>Total Attachments: 2</b> source=Assignment_MET#page1.tif source=Assignment_MET#page2.tif	

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**PATENT**  
**REEL: 026943 FRAME: 0291**

## ASSIGNMENT

WHEREAS, I/we Danny ALEXANDER and Jeffrey SHUSTER, residing at 217 Midenhall Way, Cary, North Carolina 27513, U.S.; and 110 Graylyn Drive, Chapel Hill, North Carolina 27516, U.S., respectively, have made certain new and useful inventions and improvements in:

Biomarkers for Inflammatory Bowel Disease and Methods using the Same;

set forth in:

- (1) ☐ United States provisional patent application
  - (a) ☐ bearing Application No. \_\_\_\_\_, filed on \_\_\_\_\_; or
  - (b) ☐ to be filed herewith;
- (2) ☒ United States nonprovisional patent application
  - (a) ☐ filed herewith; or
  - (b) ☒ bearing Application No. 13/082,843, filed on April 8, 2011;  
and
- (3) ☐ International Patent Application No. \_\_\_\_\_, designating the United States and filed on \_\_\_\_\_;

AND WHEREAS, METABOLON, INC., a corporation organized and existing under and by virtue of the laws of Delaware, and having an office and place of business at 617 Davis Drive, Suite 400, Durham, NC 27560, US (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, set over, and transferred, and by these presents do sell, assign, set over and transfer unto said Assignee, its successors or assigns, the entire right, title and interest in and to said inventions and improvements, the right to file applications for all countries in and to all inventions and improvements disclosed in the aforesaid application, the entire right, title and interest in and to the said application, any and all other applications for Letters Patent on said inventions and improvements, including all provisional, nonprovisional, divisional, continuation, continuation-in-part, and renewal applications based in whole, or in part, upon said inventions or improvements, or upon said applications, and all Letters Patent which may be granted therefrom, and all reissues, reexaminations, or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States

Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

AND, I/we hereby authorize and request the attorneys of Brinks, Hofer, Gilson, & Lione to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day of June, 2011.

  
\_\_\_\_\_  
Danny ALEXANDER

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19 day of Apr., 2011.

  
\_\_\_\_\_  
Jeffrey SHUSTER

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