

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| Aldagen, Inc. | | 06/20/2011 | CORPORATION: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | Intersouth Partners V, L.P. as Lender Representative | | |
| Street Address: | 408 Blackwell Street | | |
| City: | Durham | | |
| State/Country: | NORTH CAROLINA | | |
| Postal Code: | 27701 | | |
| Entity Type: | LIMITED PARTNERSHIP: DELAWARE | | |
| PROPERTY NUMBERS Total: 5 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 3271034 | ALDAGEN | |
| Registration Number: | 2890190 | ALDECOUNT | |
| Registration Number: | 2789892 | ALDEFLUOR | |
| Registration Number: | 3109914 | ALDESORT | |
| Registration Number: | 3271245 | | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | (919)829-9696 | | |
| | <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | |
| Phone: | 9198294309 | | |
| Email: | tmgroup@hutchlaw.com | | |
| Correspondent Name: | Devon E. White, Hutchison Law Group | | |
| Address Line 1: | 5410 Trinity Road | | |
| Address Line 2: | Suite 400 | | |
| Address Line 4: | Raleigh, NORTH CAROLINA 27607 | | |
| ATTORNEY DOCKET NUMBER: | ALD.00028 | | |

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| NAME OF SUBMITTER: | Devon E. White |
| Signature: | /dew/ |
| Date: | 06/22/2011 |
| Total Attachments: 5 source=Exhibit A- Assignment Doc Aldagen#page1.tif source=Exhibit A- Assignment Doc Aldagen#page2.tif source=Exhibit A- Assignment Doc Aldagen#page3.tif source=Exhibit A- Assignment Doc Aldagen#page4.tif source=Exhibit A- Assignment Doc Aldagen#page5.tif | |

EXHIBIT A

**CONFIRMATORY INTELLECTUAL PROPERTY
SECURITY AGREEMENT**

THIS CONFIRMATORY INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Confirmatory Security Agreement"), is made June 20, 2011, but effective as of the Effective Date (as hereinafter defined), from Aldagen, Inc., a Delaware corporation ("Grantor"), to Intersouth Partners V, L.P. ("Lender Representative").

W I T N E S S E T H :

WHEREAS, Grantor and Lender Representative entered into that certain Intellectual Property Security Agreement, dated June 20, 2011 (the "IP Security Agreement"), which IP Security Agreement is incorporated by reference into this Confirmatory Security Agreement; and

WHEREAS, pursuant to the IP Security Agreement, Grantor gave Lender Representative a security interest in all of Grantor's right, title and interest in and to the Intellectual Property, as that term is defined in the IP Security Agreement, including any after-acquired Intellectual Property. Further, with respect to any trademarks or service marks, the Intellectual Property includes the entire goodwill of Grantor's business connected with the use of and symbolized by such trademarks or service marks; and

WHEREAS, Grantor now desires to confirm, as a matter of record, Lender Representative's security interest in and to the below listed Intellectual Property by authorizing and requesting that the Commissioner of Patents and Trademarks/Register of Copyrights record this Confirmatory Security Agreement.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor hereby grants to Lender Representative a security interest in and to the below listed Intellectual Property, and in the case of any trademarks or service marks, together with the entire goodwill of Grantor's business connected with the use of and symbolized by the trademarks or service marks, such security interest to be effective as of the respective Registration/Application Date (the "Effective Date").

PATENTS

| Application/ Patent No. | File/Issue Date | Assignee | Title |
|---|----------------------------|----------------------------|---|
| AU Patent Application No. 2004316477 | 05/04/2004 | Aldagen | Stem Cell Populations and Methods of Use |
| CA Patent Application No. 2,556,018 | 05/04/2004 | Aldagen | Stem Cell Populations and Methods of Use |
| JP Patent Application No. 2009-44911 | 02/26/2009 | Aldagen | Stem Cell Populations and Methods of Use |
| JP Patent Application No. 2006-553107 | 05/04/2004 | Aldagen | Stem Cell Populations and Methods of Use |
| EP Patent Application No. 04751235.5 | 05/04/2004 | Aldagen | Stem Cell Populations and Methods of Use |
| US Patent Patent No. 7,863,043 | 01/04/2011 | Aldagen | Stem Cell Populations and Methods of Use |
| US Patent Application No. 12/966,401 | 12/13/2010 | Aldagen | Stem Cell Populations and Methods of Use |
| US Patent Application No. 12/513,882 | 11/08/2007 | Aldagen | Methods For Improved Engraftment Following Stem Cell Transplantation |
| CA Patent Application No. 2,668,673 | 11/08/2007 | Aldagen | Methods For Improved Engraftment Following Stem Cell Transplantation |
| JP Patent Application No. 2009-536475 | 11/08/2007 | Aldagen | Methods For Improved Engraftment Following Stem Cell Transplantation |
| US Patent Application No. 12/513,889 | 11/08/2007 | Aldagen Duke University | Methods For Using ALDHbr Cells to Supplement Stem Cell Transplantation |
| CA Patent Application No. 2,668,608 | 11/08/2007 | Aldagen Duke University | Methods For Using ALDHbr Cells to Supplement Stem Cell Transplantation |


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| JP Patent Application No. 2009-536471 | 11/08/2007 | Aldagen Duke University | Methods For Using ALDHbr Cells to Supplement Stem Cell Transplantation |
| US Patent No. 5,876,956 | 03/02/1999 | Johns Hopkins | Methods for Identification or Purification of Cells Containing an Enzymatic Intracellular Marker |
| US Patent No. 6,537,807 | 03/25/2003 | Duke University | Hematopoietic Stem Cells |
| US Patent No. 6,627,759 | 09/30/2003 | Duke University | Method of Isolating Stem Cells |
| US Patent No. 6,991,897 | 01/31/2006 | Duke University | Method of Isolating Stem Cells |
| US Patent No. 7,754,480 | 07/13/2010 | Duke University | Method of Isolating Stem Cells |
| AU Patent No. 774566 | 10/14/2004 | Duke University | Method of Isolating Stem Cells |
| EP Patent No. 08010501.8 | 12/07/1999 | Duke University | Method of Isolating Stem Cells |
| EP Patent No. 1137798 | 11/19/2008 | Duke University | Method of Isolating Stem Cells |
| CA Patent Application No. 2,353,701 | 12/07/1999 | Duke University | Method of Isolating Stem Cells |
| JP Patent Application No. 2000-586940 | 12/07/1999 | Duke University | Method of Isolating Stem Cells |
| Singapore Patent No. P-NO.81176 | 04/30/2004 | Duke University | Method of Isolating Stem Cells |

TRADEMARKS

| Title / Description | Registration Number | Registration Date |
|---------------------|---------------------|-------------------|
| ALDAGEN | 3,271,034 | 7/31/2007 |
| ALDECOUNT | 2,890,190 | 9/28/2004 |
| ALDEFLUOR | 2,789,892 | 12/2/2003 |
| ALDESORT | 3,109,914 | 6/27/2006 |

[EXHIBIT A TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

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|  <p data-bbox="493 443 716 470">Three circle design</p> | <p data-bbox="899 443 1019 470">3,271,245</p> | <p data-bbox="1154 443 1274 470">7/31/2007</p> |
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COPYRIGHTS

| Description | Registration/ Application Number | Registration/ Application Date |
|--------------------|---|---|
| None | | |

IN WITNESS WHEREOF, the Grantor has caused this Confirmatory Security Agreement to be duly executed by its authorized officer intending it to be effective as of the Effective Date.

ALDAGEN, INC.

By: Lyle A. Hahnke

Name: Lyle A. Hahnke

Title: CEO

[EXHIBIT A TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]