

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chad A. Mirkin</td> <td>09/05/2007</td> </tr> <tr> <td>Dwight Seferos</td> <td>09/04/2007</td> </tr> <tr> <td>David A. Giljohann</td> <td>09/04/2007</td> </tr> </tbody> </table>		Name	Execution Date	Chad A. Mirkin	09/05/2007	Dwight Seferos	09/04/2007	David A. Giljohann	09/04/2007
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Chad A. Mirkin	09/05/2007								
Dwight Seferos	09/04/2007								
David A. Giljohann	09/04/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Northwestern University								
<b>Street Address:</b>	633 Clark Street								
<b>City:</b>	Evanston								
<b>State/Country:</b>	ILLINOIS								
<b>Postal Code:</b>	60208								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US0853603</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US0853603				
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PCT Number:	US0853603								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(312)474-0448								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Email:</b>	wsalgado@marshallip.com								
<b>Correspondent Name:</b>	Waleska Salgado								
<b>Address Line 1:</b>	233 South Wacker Drive, Suite 6300								
<b>Address Line 4:</b>	Chicago, ILLINOIS 60606								
<b>ATTORNEY DOCKET NUMBER:</b>	30938/27022R/PCT								
<b>NAME OF SUBMITTER:</b>	Shelley C. Danek								

Total Attachments: 6  
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**PATENT  
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MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 60/900,648  
Filed: February 9, 2007  
Title: Particles for Detecting Intracellular Targets

For good and sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to NORTHWESTERN UNIVERSITY, 633 Clark Street, Evanston, Illinois 60208, its successors and assigns ("Assignee") the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States in said application and any and all other applications, both United States and foreign, which may be filed, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks and the foreign counterparts thereof to issue said Letters Patents to Assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number and title of said application when officially known.

Each the undersigned warrants that such undersigned is the owner of the interest herein assigned, has the right to make this assignment and that there are no prior assignments, licenses, or other rights in the interest herein assigned.

The undersigned hereby agrees, upon the request and at the expense of Assignee to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that Assignee may deem necessary or expedient, and upon the request of Assignee, in the event of any application or Letters Patent assigned herein becoming involved in an interference or opposition proceeding, to cooperate to the best of the ability of the undersigned with Assignee to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in Assignee whereby said Letters Patents will be held and enjoyed by Assignee to the full end of the term for which said Letters Patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made

WITNESS my hand this 21 day of May, 2007

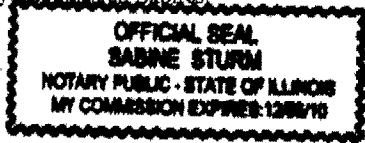
State of Illinois  
County of Cook

Chad A. Mirkin  
Chad A. Mirkin

On this 21 day of May, 2007, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 12/03/10 Sabine Sturm  
Notary Public



WITNESS my hand this 21 day of May, 2007

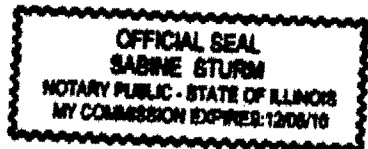
State of Illinois  
County of Cook

Dwight Scobeteros  
Dwight Scobeteros

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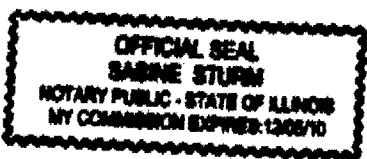
State of Illinois  
County of Cook

David A. Giljohann  
David A. Giljohann

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Notary Public



MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

## ASSIGNMENT

U.S. Serial No: 60/956,205

Filed: August 16, 2007

Title: PARTICLES FOR DETECTING INTRACELLULAR TARGETS

For good and sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to NORTHWESTERN UNIVERSITY, 633 Clark Street, Evanston, Illinois 60208, its successors and assigns ("Assignee") the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States in said application and any and all other applications, both United States and foreign, which may be filed, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any divisional, continuation, continuation-in-part, reissue, or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks and the foreign counterparts thereof to issue said Letters Patents to Assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

Each the undersigned warrants that such undersigned is the owner of the interest herein assigned, has the right to make this assignment and that there are no prior assignments, licenses, or other rights in the interest herein assigned.

The undersigned hereby agrees, upon the request and at the expense of Assignee to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that Assignee may deem necessary or expedient, and upon the request of Assignee, in the event of any application or Letters Patent assigned herein becoming involved in an interference or opposition proceeding, to cooperate to the best of the ability of the undersigned with Assignee to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in Assignee whereby said Letters Patents will be held and enjoyed by Assignee to the full end of the term for which said Letters Patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

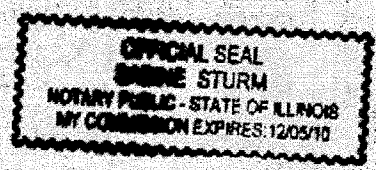
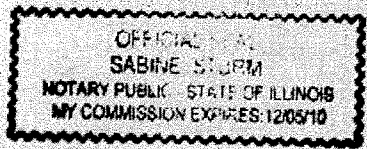
WITNESS my hand this 5th day of September, 2007

State of Illinois  
County of Cook

[Signature]  
Chad A. Mirkin

On this 5th day of September, 2007, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.  
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 12/5/10 Sabine Sturm  
Notary Public



WITNESS my hand this 4th day of September, 2007

State of Illinois  
County of Cook

[Signature]  
Dwight Selfors

On this 4th day of September, 2007, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.  
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 12/5/10 Sabine Sturm  
Notary Public



WITNESS my hand this

4th day of September, 2007

State of Illinois  
County of Cook

David A. Giljohann  
David A. Giljohann

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WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

12/5/10

Sabine Sturm  
Notary Public

