

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chad A. Mirkin	09/01/2009
Dwight Seferos	09/01/2009
David A. Giljohann	09/01/2009

RECEIVING PARTY DATA

Name:	Northwestern University
Street Address:	633 Clark Street
City:	Evanston
State/Country:	ILLINOIS
Postal Code:	60208

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12526560

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	30938/27022R
NAME OF SUBMITTER:	Michael J. Allikian

Total Attachments: 3
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**PATENT
 REEL: 023217 FRAME: 0224**

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ASSIGNMENT

Serial No: 12/526,560
Filed: August 10, 2009
Title: PARTICLES FOR DETECTING INTRACELLULAR TARGETS

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to NORTHWESTERN UNIVERSITY, 633 Clark Street, Evanston, Illinois 60208 (hereinafter "Assignee"), its successors and assigns, 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, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

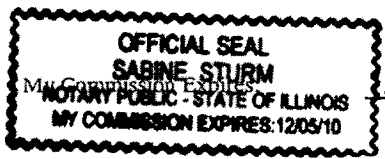
The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on 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 any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 1st day of September, 2009.
State of Illinois
County of Cook
[Signature]
Chad A. Mirkin

On this 1st day of September, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his 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.



2/05/10 Sabine Sturm
Notary Public

WITNESS my hand this _____ day of _____, _____.
State of _____
County of _____

Dwight Seferos

On this _____ day of _____, _____, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his 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: _____
Notary Public

WITNESS my hand this 1st day of September, 2009.
State of Illinois
County of Cook
[Signature]
David A. Gilchrist

On this 1st day of September, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his 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.



12/05/10 Sabine Sturm
Notary Public

WITNESS my hand this _____ day of _____ .
State of _____
County of _____
Chad A. Mirkin

On this _____ day of _____ , _____ , before me, a
Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same
persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said
instrument as his 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: _____ Notary Public

Province of Ontario City of Toronto
WITNESS my hand this 1 day of Sept , 2009 .
State of Ontario
County of Toronto
Dwight Seferos
Dwight Seferos

On this 1st day of September , 2009 , before me, a
Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same
persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said
instrument as his 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.

NEIL HAROLD DOBBS, Notary Public,
City of Toronto, limited to the attestation of instruments
My Commission Expires and the taking of affidavits for the University of Toronto.
Expires September 30, 2011. Neil Harold Dobbs
Notary Public

WITNESS my hand this _____ day of _____ .
State of _____
County of _____
David A. Giljohann

On this _____ day of _____ , _____ , before me, a
Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same
persons whose name is subscribed to the foregoing instrument, and acknowledged that he executed said
instrument as his 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: _____ Notary Public