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PATENT'S ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies):

BARR, MAUREEN M.
STERNBERG, PAUL W.

2. Name and address of receiving Party(ies)

HOWARD HUGHES MEDICAL INSTITUTE
4000 Jones Bridge Road
Chevy Chase, Maryland 20185Additional name(s) of conveying
party(ies) attached? ___ Yes X NoAdditional name(s) & address(es)
attached? ___ Yes X No

3. Nature of conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of name
___ Other _____

Execution Date: BARR, MAUREEN M., 09/06/2000; STERNBERG, PAUL W., 02/18/2001

Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):
09/479,467

B. Patent No.(s)

Additional numbers attached? ___ Yes X No5. Name and address of party to whom
correspondence concerning document
should be mailed:Stephanie L. Seidman
HELLER EHRMAN WHITE & MCAULIFFE LLP
4350 La Jolla Village Dr., 7th Fl.
San Diego, CA 92122-12466. Total number of applications and
patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00X Check enclosed
X Authorized to charge any
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9. Statement and signature.

To the best of my knowledge and belief the foregoing information is true and correct
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Signature

10/25/2001
DateTotal number of pages including cover sheet, attachments, and document: 5

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A S S I G N M E N T

I, MAUREEN M. BARR, a citizen of the United States of America, residing at 2738 Kendall Avenue, Madison, Wisconsin 53705, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **HOWARD HUGHES MEDICAL INSTITUTE**, a medical research organization with headquarters located at 4000 Jones Bridge Road, Chevy Chase, Maryland 20185, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States Serial No. 09/479,467 entitled:

**POLYCYSTIC KIDNEY DISEASE GENE HOMOLOGS REQUIRED FOR
MALE MATING BEHAVIOR IN NEMATODES AND ASSAYS BASED THEREON**

and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

A S S I G N M E N T

I, PAUL W. STERNBERG, a citizen of the United States of America, residing at 1782 Rose Villa Street, Pasadena, California 91106, U.S.A., for good and valuable consideration, have assigned and do hereby assign to **HOWARD HUGHES MEDICAL INSTITUTE**, a medical research organization with headquarters located at 4000 Jones Bridge Road, Chevy Chase, Maryland 20185, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States Serial No. 09/479,467 entitled:

**POLYCYSTIC KIDNEY DISEASE GENE HOMOLOGS REQUIRED FOR
MALE MATING BEHAVIOR IN NEMATODES AND ASSAYS BASED THEREON**

and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.