

JOINT ASSIGNMENT

WHEREAS, WE, William M. Bonner and Emmy Rogakou, employees of the Department of Health and Human Services, have invented

**ANTI- γ -H2A ANTIBODY, FUSION PROTEINS THEREOF AND METHOD AND KIT
FOR DETERMINING DNA DOUBLE-STRANDED BREAKS**

for which invention we have executed an application for Letters Patent of the United States of America which was filed on July 12, 1999, under Serial No. 09/351,721; and

WHEREAS, we are the applicants named in the above-mentioned application for Letters Patent; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the aforesaid application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government of the United States of America, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights, as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

WE HEREBY AUTHORIZE the above-mentioned Assignee to insert in this instrument the filing date and serial number of said application.

IN WITNESS WHEREOF, we subscribe our hands and sales on the dates shown below:

Date September 1, 1999 William M. Bonner
STATE OF Maryland)
COUNTY OF Montgomery) SS:
William M. Bonner

On this 1st day of September, 1999, before me, a Notary Public in and for said county, appeared William M. Bonner, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Christa G. Wattu
Notary Public

{SEAL}

My Commission Expires: September 1, 2002

Date 1st September 1999
STATE OF Maryland)
COUNTY OF Montgomery) SS:

E. Rogakou
Emmy Rogakou

On this 1st day of September, 1999, before me, a Notary Public in and for said county, appeared Emmy Rogakou, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Date September 1, 1999 Christa G. Wattu
Notary Public

{SEAL}

My Commission Expires: September 1, 2002