



**ASSIGNMENT**  
(Joint)

WHEREAS, new and useful improvements and inventions have been made by the undersigned in

**FULL TERM DEVELOPMENT OF ANIMALS FROM ENUCLEATED OOCYTES  
RECONSTITUTED WITH ADULT SOMATIC CELL NUCLEI**

and are the subject of a regular patent application filed in the United States Patent and Trademark Office on August 10, 1998, as Serial No. 09/132,104 said regular patent application claiming the benefit of U.S. Provisional Patent Application, Serial No. 60/072,002, filed January 21, 1998 and U.S. Provisional Patent Application, Serial No. 60/089,940, filed June 19, 1998, and executed by the undersigned on the date indicated below in the appropriate space to the right of the signature of the undersigned, which applications are further identified as Jones, Day, Reavis & Pogue Docket No. 265036-600-008.

WHEREAS, the University of Hawai'i, having a principal place of business at 2800 Woodlawn Drive, Suite 280, Honolulu, Hawai'i 96822, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest in the United States and throughout the world, in, to, and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said regular application for patent, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted to said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary or desirable to secure for or vest in assignee, its successors, or assigns any improvement, inventions, right, title, interest, application, patent, patent right, or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Ryuzo Yanagimachi  
Ryuzo Yanagimachi

Aug 13 '98  
Date I signed this assignment

Aug 13 '98  
Date I signed Declaration or Oath

Post Office Address: 1425 Ward Avenue 17W, Honolulu, HI 96822

STATE OF HAWAII  
COUNTY OF HONOLULU

} ss.  
}

The above named Ryuzo Yanagimachi, known to me, appeared before me this 13th day of August, 1998, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth.

(Notarial Seal)

Mildred R. Frank  
Notary Public, First Circuit  
State of Hawaii  
My commission expires: May 22, 2000

Teruhiko Wakayama  
Teruhiko Wakayama

Aug 13 '98  
Date I signed this assignment

Aug 13 '98  
Date I signed Declaration or Oath

Post Office Address: c/o Ryuzo Yanagimachi, 1425 Ward Avenue 17W, Honolulu, HI 96822

STATE OF HAWAII  
COUNTY OF HONOLULU

} ss.  
}

The above named Teruhiko Wakayama, known to me, appeared before me this 13th day of August, 1998, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth.

(Notarial Seal)

Mildred R. Frank  
Notary Public, First Circuit  
State of Hawaii  
My commission expires: May 22, 2000