



US 20050191639A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0191639 A1**
Contreras et al. (43) **Pub. Date: Sep. 1, 2005**

(54) **METHOD TO ISOLATE GENES INVOLVED IN AGING**

(75) Inventors: **Roland Henry Contreras**, Merelbeke (BE); **Cuiying Chen**, Balegem (BE)

Correspondence Address:
TRASK BRITT
P.O. BOX 2550
SALT LAKE CITY, UT 84110 (US)

(73) Assignee: **Vlaams Interuniversitair Instituut Voor Biotechnologie VZW**, Zwijnaarde (BE)

(21) Appl. No.: **10/852,705**

(22) Filed: **May 24, 2004**

Related U.S. Application Data

(63) Continuation of application No. PCT/EP02/13549, filed on Nov. 28, 2002.

(30) **Foreign Application Priority Data**

Nov. 29, 2001 (EP) 01204600.9

Publication Classification

(51) **Int. Cl.⁷** **C12Q 1/68**; C12N 1/18; C12N 15/74
(52) **U.S. Cl.** **435/6**; 435/483; 435/254.2

(57) **ABSTRACT**

Described is a method for isolating genes involved in aging and/or oxidative stress, by mutation or transformation of a yeast cell, subsequent screening of the mutant or transformed cells that are affected in aging and isolation of the affected gene or genes, and the use of these genes to modulate aging and aging-associated diseases in a eukaryotic cell and/or organism.

