106TH CONGRESS 1ST SESSION

S. 1131

To promote research into, and the development of an ultimate cure for, the disease known as Fragile X.

IN THE SENATE OF THE UNITED STATES

May 26, 1999

Mr. Edwards (for himself and Mr. Hagel) introduced the following bill; which was read twice and referred to the Committee on Health, Education, Labor, and Pensions

A BILL

To promote research into, and the development of an ultimate cure for, the disease known as Fragile X.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE.
- 4 This Act may be cited as the "Fragile X Research
- 5 Breakthrough Act of 1999".
- 6 SEC. 2. FINDINGS.
- 7 Congress makes the following findings:
- 8 (1) Fragile X is the most common inherited
- 9 cause of mental retardation. It affects 1 in every

- 2,000 boys and 1 in every 4,000 girls. One in 260 women is a carrier.
 - (2) Most children with Fragile X require a lifetime of special care at a cost of over \$2,000,000 per child.
 - (3) Relatively newly-discovered and relatively unknown, even in the medical profession, Fragile X is caused by the absence of a single protein that can be produced synthetically but that cannot yet be effectively assimilated.
 - (4) Fragile X research, both basic and applied, is vastly underfunded in view of its prevalence, the potential for the development of a cure, the established benefits of currently available interventions, and the significance that Fragile X research has for related disorders.
 - (5) Fragile X is a powerful research model for other forms of X-linked mental retardation, as well as neuropsychiatric disorders, including autism, schizophrenia, mood disorders, and pervasive developmental disorder. Individuals with Fragile X are a homogeneous study population for advancing understanding of these disorders.

1	SEC. 3. NATIONAL INSTITUTE OF CHILD HEALTH AND
2	HUMAN DEVELOPMENT; RESEARCH ON FRAG-
3	ILE X.
4	Subpart 7 of part C of title IV of the Public Health
5	Service Act (42 U.S.C. 285g et seq.) is amended by adding
6	at the end the following:
7	"SEC. 452E. FRAGILE X.
8	"(a) Expansion and Coordination of Research
9	ACTIVITIES.—The Director of the Institute, after con-
10	sultation with the advisory council for the Institute, shall
11	expand, intensify, and coordinate the activities of the In-
12	stitute with respect to research on the disease known as
13	Fragile X.
14	"(b) Research Centers.—
15	"(1) In general.—The Director of the Insti-
16	tute, after consultation with the advisory council for
17	the Institute, shall make grants to, or enter into
18	contracts with, public or nonprofit private entities
19	for the development and operation of centers to con-
20	duct research for the purposes of improving the di-
21	agnosis and treatment of, and finding the cure for,
22	Fragile X.
23	"(2) Number of Centers.—In carrying out
24	paragraph (1), the Director of the Institute shall, to
25	the extent that amounts are appropriated, provide

1	for the establishment of at least 3 Fragile X re-
2	search centers.
3	"(3) Activities.—
4	"(A) In general.—Each center assisted
5	under paragraph (1) shall, with respect to
6	Fragile X—
7	"(i) conduct basic and clinical re-
8	search, which may include clinical trials
9	of—
10	"(I) new or improved diagnostic
11	methods; and
12	"(II) drugs or other treatment
13	approaches; and
14	"(ii) conduct research to find a cure.
15	"(B) Fees.—A center may use funds pro-
16	vided under paragraph (1) to provide fees to in-
17	dividuals serving as subjects in clinical trials
18	conducted under subparagraph (A).
19	"(4) COORDINATION AMONG CENTERS.—The
20	Director of the Institute shall, as appropriate, pro-
21	vide for the coordination of the activities of the cen-
22	ters assisted under this section, including providing
23	for the exchange of information among the centers.
24	"(5) CERTAIN ADMINISTRATIVE REQUIRE-
25	MENTS.—Each center assisted under paragraph (1)

shall use the facilities of a single institution, or be formed from a consortium of cooperating institutions, meeting such requirements as may be prescribed by the Director of the Institute.

"(6) Duration of support.—Support may be provided to a center under paragraph (1) for a period of not to exceed 5 years. Such period may be extended for 1 or more additional periods, each of which may not exceed 5 years, if the operations of such center have been reviewed by an appropriate technical and scientific peer review group established by the Director and if such group has recommended to the Director that such period be extended.

"(7) AUTHORIZATION OF APPROPRIATIONS.—
For the purpose of carrying out this subsection,
there are authorized to be appropriated \$10,000,000
for fiscal year 2000, and such sums as may be necessary for each subsequent fiscal year.".

19 SEC. 4. NATIONAL INSTITUTE OF CHILD HEALTH AND

- 20 HUMAN DEVELOPMENT; LOAN REPAYMENT
- 21 PROGRAM REGARDING RESEARCH ON FRAG-
- 22 ILE X.

6

7

8

9

10

11

12

13

14

15

16

17

18

- 23 Part G of title IV of the Public Health Service Act
- 24 (42 U.S.C. 288 et seq.) is amended by inserting after sec-
- 25 tion 487E the following:

1 "SEC. 487F. LOAN REPAYMENT PROGRAM REGARDING RE-

2.	SEARCH	ON FR	AGILE	X.
<u>_</u>	SEARCH	ON LIG	AGILE	A .

- 3 "(a) IN GENERAL.—The Secretary, in consultation
- 4 with the Director of the National Institute of Child Health
- 5 and Human Development, shall establish a program under
- 6 which the Federal Government enters into contracts with
- 7 qualified health professionals (including graduate stu-
- 8 dents) who agree to conduct research regarding Fragile
- 9 X in consideration of the Federal Government's agreement
- 10 to repay, for each year of such service, not more than
- 11 \$35,000 of the principal and interest of the educational
- 12 loans owed by such health professionals.
- 13 "(b) Applicability of Certain Provisions.—
- 14 With respect to the National Health Service Corps Loan
- 15 Repayment Program established in subpart III of part D
- 16 of title III, the provisions of such subpart (including sec-
- 17 tion 338B(g)(3)) shall, except as inconsistent with sub-
- 18 section (a) of this section, apply to the program estab-
- 19 lished in such subsection in the same manner and to the
- 20 same extent as such provisions apply to the National
- 21 Health Service Corps Loan Repayment Program estab-
- 22 lished in such subpart.
- 23 "(c) Authorization of Appropriations.—For the
- 24 purpose of carrying out this section, there are authorized
- 25 to be appropriated \$2,000,000 for fiscal year 2000, and
- 26 such sums as may be necessary for each subsequent fiscal

- 1 year. Amounts appropriated for a fiscal year under the
- 2 preceding sentence shall remain available until the expira-
- 3 tion of the second fiscal year beginning after the fiscal

4 year for which the amounts were appropriated.".

 \bigcirc