

117TH CONGRESS
1ST SESSION

S. 1800

To amend title 18, United States Code, to prohibit certain types of human-animal chimeras.

IN THE SENATE OF THE UNITED STATES

MAY 25, 2021

Mr. BRAUN (for himself, Mr. DAINES, Mr. LANKFORD, Ms. ERNST, and Mr. INHOFE) introduced the following bill; which was read twice and referred to the Committee on the Judiciary

A BILL

To amend title 18, United States Code, to prohibit certain types of human-animal chimeras.

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 “Human-Animal Chi-
5 mera Prohibition Act of 2021”.

6 **SEC. 2. PROHIBITION ON CERTAIN HUMAN-ANIMAL CHI-**
7 **MERAS.**

8 Part I of title 18, United States Code, is amended
9 by inserting after chapter 51 the following:

1 **“CHAPTER 52—CERTAIN TYPES OF**
 2 **HUMAN-ANIMAL CHIMERAS PROHIBITED**

“Sec.

“1131. Definitions.

“1132. Prohibition on human-animal chimeras.

3 **“§ 1131. Definitions**

4 “In this chapter:

5 “(1) HUMAN EMBRYO.—The term ‘human em-
 6 bryo’ means an organism of the species *Homo sapi-*
 7 ens during the earliest stages of development, from
 8 1 cell up to 8 weeks after conception.

9 “(2) PROHIBITED HUMAN-ANIMAL CHIMERA.—
 10 The term ‘prohibited human-animal chimera’
 11 means—

12 “(A) a human embryo into which a
 13 nonhuman cell or cells (or the component parts
 14 thereof) have been introduced to render the em-
 15 bryo’s membership in the species *Homo sapiens*
 16 uncertain;

17 “(B) a human-animal embryo produced by
 18 fertilizing a human egg with nonhuman sperm;

19 “(C) a human-animal embryo produced by
 20 fertilizing a nonhuman egg with human sperm;

21 “(D) an embryo produced by introducing a
 22 nonhuman nucleus into a human egg;

23 “(E) an embryo produced by introducing a
 24 human nucleus into a nonhuman egg;

1 “(F) an embryo containing at least haploid
2 sets of chromosomes from both a human and a
3 nonhuman life form;

4 “(G) a nonhuman life form engineered
5 such that human gametes develop within the
6 body of a nonhuman life form;

7 “(H) a nonhuman life form engineered
8 such that it contains a human brain or a brain
9 derived wholly or predominantly from human
10 neural tissues;

11 “(I) nonhuman life form engineered such
12 that it exhibits human facial features or other
13 bodily morphologies to resemble human fea-
14 tures; or

15 “(J) an embryo produced by mixing
16 human and nonhuman cells, such that—

17 “(i) human gametes develop within
18 the body of the resultant organism;

19 “(ii) it contains a human brain or a
20 brain derived wholly or predominantly from
21 human neural tissues; or

22 “(iii) it exhibits human facial features
23 or other bodily morphologies to resemble
24 human features.

1 **“§ 1132. Prohibition on certain human-animal chi-**
 2 **meras**

3 “(a) IN GENERAL.—It shall be unlawful for any per-
 4 son to knowingly, in or otherwise affecting interstate com-
 5 merce—

6 “(1) create or attempt to create a prohibited
 7 human-animal chimera;

8 “(2) transfer or attempt to transfer a human
 9 embryo into a nonhuman womb;

10 “(3) transfer or attempt to transfer a non-
 11 human embryo into a human womb; or

12 “(4) transport or receive for any purpose a pro-
 13 hibited human-animal chimera.

14 “(b) PENALTIES.—

15 “(1) IN GENERAL.—Whoever violates subsection
 16 (a) shall be fined under this title, imprisoned not
 17 more than 10 years, or both.

18 “(2) CIVIL PENALTY.—Whoever violates sub-
 19 section (a) shall be subject to a civil fine of the
 20 greater of—

21 “(A) \$1,000,000; or

22 “(B) the amount equal to twice the
 23 amount of the gross pecuniary gain, if any.

24 “(c) RULE OF CONSTRUCTION.—This section does
 25 not prohibit research involving the use of transgenic ani-
 26 mal models containing human genes or transplantation of

1 human organs, tissues, or cells into recipient animals, if
2 such activities are not prohibited under subsection (a).”.

3 **SEC. 3. TECHNICAL AMENDMENT.**

4 The table of chapters for part I of title 18, United
5 States Code, is amended by inserting after the item relat-
6 ing to chapter 51 the following:

“52. Certain types of human-animal chimeras prohibited 1131.”.

