



By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Research on Stem Cells. (a) The Secretary of Health and Human Services (Secretary), with the consultation of the Director of the National Institutes of Health (Director), shall conduct and support responsible research on the basic, translational, and clinical science (e.g. isolation, functional and biochemical characterization, biological development, derivation, production, and testing) of stem cells that are capable of producing all or almost all of the cell types of the developing body and may result in improved understanding of or treatments for diseases and other adverse health conditions, but are derived without creating a human embryo solely for research purposes.

(b) Within 90 days of this order, the Secretary and the Director, shall jointly issue a plan, including such mechanisms as requests for proposals, requests for applications, program announcements, guidance, and other appropriate means, to implement subsection (a) of this section, that:

(i) specifies and reflects a determination of the extent to which specific techniques may require additional basic, translational, or animal and clinical research to ensure that any research involving human cells using these techniques is clearly consistent with the standards established under this order and applicable law;

(ii) prioritizes research with the greatest potential for basic knowledge that will lead to greater understanding of stem cell biology that can lead to clinical benefit, translational research that has the potential to transform basic knowledge into a clinical setting, and research that currently has great potential for clinical benefit;

(iii) sets forth guidance on how to responsibly perform research on stem cells that includes a review of stem cell research practices and recommendations from the Office of Human Research Protections (OHRP) at the National Institutes of Health;

(iv) renames the "Human Pluripotent Stem Cell Registry," the "National Stem Cell Registry," along with a plan for expanding the registry and programmatic efforts to make the registry sustainable and useful for stem cell researchers as outlined in Sec. 2. of this order;

(v) adds to the National Stem Cell Registry stem cell lines that clearly meet the standard set forth in subsection (a) of this section and adds stem cell lines being funded by different states and private entities within the United States;

(vi) makes recommendations concerning the National Stem Cell Bank and explores whether to, modify, extend, or terminate it along with specific plans for each of the recommendations that includes descriptions of how non-Federal entities could be engaged; and



(c) Not later than December 31 of each year, the Secretary shall report to the President on the activities carried out under this order during the past fiscal year, including a description of the research carried out or supported by the Department of Health and Human Services, including the National Institutes of Health, and other developments in the science of stem cells.

Sec 2. The National Stem Cell Registry: (a) In order to streamline research and improve research collaboration, the Federal government establishes the “National Stem Cell Registry” for all stem cell lines.

(b) The National Stem Cell Registry, at a minimum, shall include the following things in order to make it more comprehensive and useful for researchers and others interested in the state of our understanding of stem cell biology:

- (i) a single database of (1) all stem cell lines that are available to researchers for funding through the Federal government and its departments or agencies such as the National Institutes of Health, (2) all stem cell lines that are available to researchers for funding through State governments, (3) all stem cell lines that are available to researchers for funding through not for profit groups & educational institutions, and (4) all stem cell lines that are available to researchers for funding by private companies and individual corporations who perform stem cell research within the United States;
- (ii) all information about the cells such as the date and place of their derivation; the protocols used to obtain the stem cell lines from which the cells originated, the biological makeup of the culture media used to nourish the cells, and other relevant experimental information that constitute results of tests performed on the cells that elucidates the biochemical, structural, functional, developmental, and organizational elements that further the understanding of stem cell biology.
- (iii) an advisory committee of researchers from all sectors who will assist the National Institute of Health in developing the registry and advising the NIH on ways to improve it as more becomes known about stem cell biology.

Sec. 3. Policy. The activities undertaken and supported by and under the direction of the Secretary and the Director shall be clearly consistent with the following policies and principles:

(a) the purposes of this order are (i) to direct the Department of Health and Human Services, including the National Institutes of Health, to continue to support peer reviewed research that may result in improved understanding of or treatments for diseases and other adverse health conditions, and (ii) to promote the responsible use of stem cell lines in basic, translational and clinical research;

(b) it is critical to establish moral and ethical boundaries to allow the Nation to move forward vigorously with basic, translational and clinical research, while also maintaining the highest ethical standards;



(c) the creation of human embryos solely for research violates the principle that no life should be used as a mere means;

(d) the Federal Government has a duty to exercise responsible stewardship of taxpayer funds, both supporting important scientific research and respecting ethical and moral boundaries.

Sec. 4. Interpretation of this order. (a) For purposes of this order, the term "human embryo" shall mean any organism, protected as a human subject under 45 CFR 46.

(b) Nothing in this order shall be construed to affect any policy, guideline, or regulation regarding stem cell research or any other research not specifically authorized by this order, or to forbid the use of stem cell lines for research specifically authorized by this order.

Sec. 5. General Provisions. (a) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.

(b) This order is not intended to, and does not, create any right, benefit, or privilege, substantive or procedural, enforceable at law or in equity, by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.