

**(b) Manufacturing fellowship program****(1) Establishment**

To promote the development of a robust research community working at the leading edge of manufacturing sciences, the Director shall establish a program to award—

(A) postdoctoral research fellowships at the Institute for research activities related to manufacturing sciences; and

(B) senior research fellowships to established researchers in industry or at institutions of higher education who wish to pursue studies related to the manufacturing sciences at the Institute.

**(2) Applications**

To be eligible for an award under this subsection, an individual shall submit an application to the Director at such time, in such manner, and containing such information as the Director may require.

**(3) Stipend levels**

Under this subsection, the Director shall provide stipends for postdoctoral research fellowships at a level consistent with the National Institute of Standards and Technology Postdoctoral Research Fellowship Program, and senior research fellowships at levels consistent with support for a faculty member in a sabbatical position.

**(c) Underrepresented minorities**

In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.

(Mar. 3, 1901, ch. 872, § 18, as added Pub. L. 99-574, § 6(a), Oct. 28, 1986, 100 Stat. 3237; amended Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 102-245, title I, § 104(h)(1), Feb. 14, 1992, 106 Stat. 11; Pub. L. 110-69, title III, §§ 3008, 3013(a), Aug. 9, 2007, 121 Stat. 591, 598; Pub. L. 111-358, title IV, §§ 406(a), § 407(b), Jan. 4, 2011, 124 Stat. 4003, 4004.)

## PRIOR PROVISIONS

A prior section 18 of act Mar. 3, 1901, ch. 872, was re-numbered section 32 and is classified to section 278q of this title.

## AMENDMENTS

2011—Subsec. (a). Pub. L. 111-358, § 407(b), struck out “up to 1.5 percent of the” after “expend”.

Subsec. (c). Pub. L. 111-358, § 406(a), added subsec. (c).

2007—Pub. L. 110-69 designated existing provisions as subsec. (a), inserted heading, substituted “up to 1.5 percent of the” for “up to 1 per centum of the”, and added subsec. (b).

1992—Pub. L. 102-245 inserted before period at end of first sentence “, and to United States citizens for research and technical activities on Institute programs”.

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards” the first place appearing, and for “Bureau” wherever subsequently appearing.

## EFFECTIVE DATE

Pub. L. 99-574, § 6(b), Oct. 28, 1986, 100 Stat. 3237, provided that: “The amendments made by subsection (a) [enacting this section] shall be effective October 1, 1986.”

**§ 278g-2. Post-doctoral fellowship program**

The Institute shall establish and conduct a post-doctoral fellowship program, subject to the

availability of appropriations, which shall be organized and carried out in substantially the same manner as the National Academy of Sciences/National Research Council Post-Doctoral Research Associate Program that was in effect prior to 1986, and which shall include not less than twenty nor more than 120 new fellows per fiscal year. In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.

(Mar. 3, 1901, ch. 872, § 19, as added Pub. L. 99-574, § 8(a), Oct. 28, 1986, 100 Stat. 3238; amended Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 104-113, § 8(3), Mar. 7, 1996, 110 Stat. 779; Pub. L. 110-69, title III, § 3015, Aug. 9, 2007, 121 Stat. 599; Pub. L. 111-358, title IV, §§ 406(b), 407(a), Jan. 4, 2011, 124 Stat. 4004.)

## PRIOR PROVISIONS

A prior section 19 of act Mar. 3, 1901, ch. 872, was re-numbered section 32 and is classified to section 278q of this title.

## AMENDMENTS

2011—Pub. L. 111-358, § 407(a), struck out “, in conjunction with the National Academy of Sciences,” after “The Institute”.

Pub. L. 111-358, § 406(b), inserted at end “In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.”

2007—Pub. L. 110-69 substituted “nor more than 120 new fellows” for “nor more than 60 new fellows”.

1996—Pub. L. 104-113 inserted “, subject to the availability of appropriations,” after “post-doctoral fellowship program” and substituted “nor more than 60” for “nor more than forty”.

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards”.

## EFFECTIVE DATE

Pub. L. 99-574, § 8(b), Oct. 28, 1986, 100 Stat. 3238, provided that: “The amendments made by subsection (a) [enacting this section] shall be effective October 1, 1987.”

**§ 278g-2a. Teacher science and technology enhancement Institute program****(a) Establishment**

The Director shall establish within the Institute a teacher science and technology enhancement program to provide for professional development of mathematics and science teachers of elementary, middle, and secondary schools (as those terms are defined by the Director), including providing for the improvement of those teachers with respect to the understanding of science and the impacts of science on commerce.

**(b) Areas of focus**

In carrying out the program under this section, the Director shall focus on the areas of—

- (1) scientific measurements;
- (2) tests and standards development;
- (3) industrial competitiveness and quality;
- (4) manufacturing;
- (5) technology transfer; and
- (6) any other area of expertise of the Institute that the Director determines to be appropriate.