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State of Minnesota HOUSE OF REPRESENTATIVES

NINETY-FIRST SESSION

H. F. No. **3459**

02/17/2020

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The bill was read for the first time and referred to the Higher Education Finance and Policy Division

- 1.1 A bill for an act
- 1.2 relating to higher education; clarifying the grant-making authority of the partnership
- 1.3 between the University of Minnesota and the Mayo Clinic relating to regenerative
- 1.4 medicine; amending Laws 2014, chapter 312, article 1, section 4, subdivision 2;
- 1.5 Laws 2019, chapter 64, article 1, section 4, subdivision 4.
- 1.6 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:
- 1.7 Section 1. Laws 2014, chapter 312, article 1, section 4, subdivision 2, is amended to read:
- 1.8 Subd. 2. **Health Sciences Special** 4,500,000
- 1.9 (a) This appropriation is from the general fund
- 1.10 for the direct and indirect expenses of the
- 1.11 collaborative partnership between the
- 1.12 ~~University~~ University of Minnesota and the
- 1.13 Mayo Clinic ~~for regenerative medicine to~~
- 1.14 provide grants to advance the field of
- 1.15 regenerative medicine in the areas of research,
- 1.16 clinical translation, ~~and~~ commercialization,
- 1.17 and education. In addition to representatives
- 1.18 from the University of Minnesota and the
- 1.19 Mayo Clinic, the collaborative partnership
- 1.20 must include representatives of private
- 1.21 industry and others with expertise in
- 1.22 regenerative medicine research, clinical
- 1.23 translation, commercialization, and medical
- 1.24 venture financing who are not affiliated with

2.1 either the University of Minnesota or the Mayo
2.2 Clinic.

2.3 (b) By January 15 of each odd-numbered year
2.4 beginning in 2017, the partnership must
2.5 submit an independent financial audit to the
2.6 chairs and ranking minority members of the
2.7 committees of the house of representatives
2.8 and senate having jurisdiction over higher
2.9 education and economic development. The
2.10 audit must include the names of all recipients
2.11 of grants awarded by the partnership ~~and~~, their
2.12 affiliation, if any, with the University of
2.13 Minnesota or the Mayo Clinic, and outcomes
2.14 of the funded projects.

2.15 (c) The full amount of this appropriation is for
2.16 the partnership and may not be used by the
2.17 University of Minnesota for administrative or
2.18 monitoring expenses.

2.19 (d) For fiscal year 2016 and thereafter, the
2.20 base for this program is \$4,350,000.

2.21 Sec. 2. Laws 2019, chapter 64, article 1, section 4, subdivision 4, is amended to read:

2.22 Subd. 4. **Special Appropriations**

2.23	(a) Agriculture and Extension Service	42,922,000	42,922,000
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2.24 For the Agricultural Experiment Station and
2.25 the Minnesota Extension Service:

2.26 (1) the agricultural experiment stations and
2.27 Minnesota Extension Service must convene
2.28 agricultural advisory groups to focus research,
2.29 education, and extension activities on producer
2.30 needs and implement an outreach strategy that
2.31 more effectively and rapidly transfers research
2.32 results and best practices to producers
2.33 throughout the state;

- 3.1 (2) this appropriation includes funding for
3.2 research and outreach on the production of
3.3 renewable energy from Minnesota biomass
3.4 resources, including agronomic crops, plant
3.5 and animal wastes, and native plants or trees.
3.6 The following areas should be prioritized and
3.7 carried out in consultation with Minnesota
3.8 producers, renewable energy, and bioenergy
3.9 organizations:
- 3.10 (i) biofuel and other energy production from
3.11 perennial crops, small grains, row crops, and
3.12 forestry products in conjunction with the
3.13 Natural Resources Research Institute (NRRI);
- 3.14 (ii) alternative bioenergy crops and cropping
3.15 systems; and
- 3.16 (iii) biofuel coproducts used for livestock feed;
- 3.17 (3) this appropriation includes funding for the
3.18 College of Food, Agricultural, and Natural
3.19 Resources Sciences to establish and provide
3.20 leadership for organic agronomic,
3.21 horticultural, livestock, and food systems
3.22 research, education, and outreach and for the
3.23 purchase of state-of-the-art laboratory,
3.24 planting, tilling, harvesting, and processing
3.25 equipment necessary for this project;
- 3.26 (4) this appropriation includes funding for
3.27 research efforts that demonstrate a renewed
3.28 emphasis on the needs of the state's agriculture
3.29 community. The following areas should be
3.30 prioritized and carried out in consultation with
3.31 Minnesota farm organizations:
- 3.32 (i) vegetable crop research with priority for
3.33 extending the Minnesota vegetable growing
3.34 season;

- 4.1 (ii) fertilizer and soil fertility research and
- 4.2 development;
- 4.3 (iii) soil, groundwater, and surface water
- 4.4 conservation practices and contaminant
- 4.5 reduction research;
- 4.6 (iv) discovering and developing plant varieties
- 4.7 that use nutrients more efficiently;
- 4.8 (v) breeding and development of turf seed and
- 4.9 other biomass resources in all three Minnesota
- 4.10 biomes;
- 4.11 (vi) development of new disease-resistant and
- 4.12 pest-resistant varieties of turf and agronomic
- 4.13 crops;
- 4.14 (vii) utilizing plant and livestock cells to treat
- 4.15 and cure human diseases;
- 4.16 (viii) the development of dairy coproducts;
- 4.17 (ix) a rapid agricultural response fund for
- 4.18 current or emerging animal, plant, and insect
- 4.19 problems affecting production or food safety;
- 4.20 (x) crop pest and animal disease research;
- 4.21 (xi) developing animal agriculture that is
- 4.22 capable of sustainably feeding the world;
- 4.23 (xii) consumer food safety education and
- 4.24 outreach;
- 4.25 (xiii) programs to meet the research and
- 4.26 outreach needs of organic livestock and crop
- 4.27 farmers; and
- 4.28 (xiv) alternative bioenergy crops and cropping
- 4.29 systems; and growing, harvesting, and
- 4.30 transporting biomass plant material; and
- 4.31 (5) by February 1, 2021, the Board of Regents
- 4.32 must submit a report to the legislative

5.1 committees and divisions with jurisdiction
 5.2 over agriculture and higher education finance
 5.3 on the status and outcomes of research and
 5.4 initiatives funded in this paragraph.

5.5 **(b) Health Sciences** 9,204,000 9,204,000

5.6 \$346,000 each year is to support up to 12
 5.7 resident physicians in the St. Cloud Hospital
 5.8 family practice residency program. The
 5.9 program must prepare doctors to practice
 5.10 primary care medicine in rural areas of the
 5.11 state. The legislature intends this program to
 5.12 improve health care in rural communities,
 5.13 provide affordable access to appropriate
 5.14 medical care, and manage the treatment of
 5.15 patients in a more cost-effective manner. The
 5.16 remainder of this appropriation is for the rural
 5.17 physicians associates program; the Veterinary
 5.18 Diagnostic Laboratory; health sciences
 5.19 research; dental care; the Biomedical
 5.20 Engineering Center; and the collaborative
 5.21 partnership between the University of
 5.22 Minnesota and Mayo Clinic ~~for regenerative~~
 5.23 ~~medicine~~, to provide grants to advance the
 5.24 field of regenerative medicine in the areas of
 5.25 research, clinical translation, and
 5.26 commercialization, and education.

5.27 **(c) College of Science and Engineering** 1,140,000 1,140,000

5.28 For the geological survey and the talented
 5.29 youth mathematics program.

5.30 **(d) System Special** 7,181,000 7,181,000

5.31 For general research, the Labor Education
 5.32 Service, Natural Resources Research Institute,
 5.33 Center for Urban and Regional Affairs, Bell

6.1 Museum of Natural History, and the
6.2 Humphrey exhibit.
6.3 \$2,000,000 in fiscal year 2020 and \$2,000,000
6.4 in fiscal year 2021 are for the Natural
6.5 Resources Research Institute to invest in
6.6 applied research for economic development.

6.7 **(e) University of Minnesota and Mayo**
6.8 **Foundation Partnership**

7,991,000

7,991,000

6.9 This appropriation is for the following
6.10 activities:

6.11 (1) \$7,491,000 in fiscal year 2020 and
6.12 \$7,491,000 in fiscal year 2021 are for the
6.13 direct and indirect expenses of the
6.14 collaborative research partnership between the
6.15 University of Minnesota and the Mayo
6.16 Foundation for research in biotechnology and
6.17 medical genomics. An annual report on the
6.18 expenditure of these funds must be submitted
6.19 to the governor and the chairs of the legislative
6.20 committees responsible for higher education
6.21 finance by June 30 of each fiscal year.

6.22 (2) \$500,000 in fiscal year 2020 and \$500,000
6.23 in fiscal year 2021 are to award competitive
6.24 grants to conduct research into the prevention,
6.25 treatment, causes, and cures of Alzheimer's
6.26 disease and other dementias.