Survey 2 DESIRE for innovation and entrepreneurship consideration in promotion and tenure in US post

Thank you for your willingness to help inform our NSF-funded project seeking to discover the current state of and desire for faculty members' innovation, entrepreneurship, and technology-based transfer activities across university types across the US, and specifically in integrating these activities in promotion and tenure considerations. This survey is part of our IRB-approved research study that will inform an evolving coalition for those interested in building collaborative efforts around these issues.

You were sent this survey as someone who may be able to comment on the evaluation of faculty innovation, entrepreneurship, and technology-based transfer activities in promotion and tenure considerations at OSU. This information will help us to compare OSU with other institutions in our coalition, and inform future strategy for supports for faculty at OSU.

We anticipate this survey should take you roughly 10 minutes to complete. You can withdraw from the survey at any time. Your answers are confidential. To protect your identity and data, we will store de-identified survey data on a password protected university server, and report data in aggregate in any subsequent publication or presentation. As such, we do not anticipate risks to you, or your institution, in completing this survey. The information collected from you as part of the research will not be used or distributed for future research studies.

It is okay if you are not able to answer all of the questions in this survey; please answer all that you can. If you have any questions about this survey, please contact research PI Dr. Jana Bouwma-Gearhart at Jana.Bouwma-Gearhart@Oregonstate.edu, or (541) 737-2206. You may contact the Oregon State University IRB office at (541) 737-3467. If you have questions about our larger project, including the coalition and fall 2020 summit, feel free to contact any of the project PIs listed below. Thank you for your consideration and time. Sincerely, Jana Bouwma-Gearhart, Ph.D.
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Q1: Please select your college(s) at OSU, in which you are employed.

- ☐ Agricultural Sciences

- ☐ Earth, Ocean, and Atmospheric Sciences

- ☐ Business

- ☐ Education

- ☐ Engineering

- ☐ Forestry

- ☐ Liberal Arts

- ☐ Pharmacy

- ☐ Public Health and Human Services

- ☐ Science

- ☐ Veterinary Medicine

- ☐ Other unit (please specify)

Q2: Please indicate your current institutional position (please check all that apply).

☐ Dean

☐ Department chair

☐ School head

☐ Tenure-eligible regular faculty member (not YET tenured); usually Assistant- or Associate-Professor

☐ Tenured faculty member; usually Full Professor

☐ Fixed-Term Faculty Eligible for Professorial Ranks (i.e. Extension, Senior Research, Clinical, or Practice appointments)

☐ Senior Instructor (not tenure-track); usually Senior Instructor I or II

☐ Instructor (not tenure-track, not yet Senior Instructor)

☐ Other (please fill in) _____

Q3: Please indicate how long you have been in any of the above positions you selected.

_____

Q4: Have you ever served on a promotion and/or tenure committee at OSU? Select all that are applicable.

☐ Yes, I have served as committee <u>chair</u>

☐ Yes, I have served as a committee <u>member</u>

☐ I have never served on a promotion and/or tenure committee at OSU

Q5: On how many promotion and/or tenure committees have you served at OSU?

○ 1

○ 2-4

○ 5 or more

Q6: Have you ever been an I-Corp or Accelerator program participant, at OSU? Select all that are applicable.

○ Yes, I am a current participant

○ Yes, I am a graduate

○ I have never participated in these programs

Q7: Please select all the discipline area(s) under which you **are currently** employed as faculty (including tenure-line and non tenure-line positions).

Please provide discipline specifics in the open-text boxes below the relevant discipline area(s) (e.g. "cultural anthropology" or "mechanical engineering").

Humanities: Arts, Visual and Performing; History; Languages and Linguistics; Literature and Writing; Philosophy; Religion

 Social Sciences: Anthropology and Archaeology; Area, Cultural and Ethnic Studies; Economics; Geography; Gender and Sexuality Studies; Political Science; Psychology; Sociology   **Natural Sciences:** Space Sciences; Earth Sciences; Biological Sciences; Chemistry; Physics

 Formal Sciences: Computer Sciences; Logic; Mathematics/statistics; Systems Science

 Applied and Professional Sciences: Agriculture; Architecture and Design; Business; Communication and Journalism; Divinity; Education; Engineering; Environmental Sciences;

Forestry; Health Sciences/Medical; Law; Library Studies; Military Sciences; Museum Studies, Public Administration and Social Work; Recreation; Transportation

☐ Humanities.   Specify: _____

☐ Social Sciences.   Specify: _____

☐ Natural Sciences.   Specify: _____

☐ Formal Sciences.   Specify: _____

☐ Applied and Professional Sciences.   Specify: _____

☐ Other area (write in) _____

Before the rest of our questions, please note the following definitions and foci: *Innovation:* *The identification or creation of new resources (including methods, services, or technologies) with commercial or social good potential.*
Innovation with commercial and/or social good potential: While faculty innovation is diverse in goals and impacts, in this survey we are specifically asking about faculty innovation with commercial (e.g. wearable technology, digital media) and/or greater social good potential (e.g. low cost water filtration methods, wildfire monitoring systems). We are NOT asking about more typical collegiate items produced by faculty for teaching and learning, e.g. textbooks, course curriculum, etc.
Entrepreneurship: *Recognizing and attempting to realize the commercial potential/business opportunities of innovation.* Faculty may or may not engage in entrepreneurship with respect to their innovations.
Technology-based transfer: *Formal sharing of innovations with other entities (including industry, governments, non-governmental organizations, universities, community stakeholders).* Faculty may or may not engage in technology-based transfer with respect to their innovations.   *I/E/T:* All together, we refer to these three types of activities as *I/E/T* throughout this survey. Please respond to questions with all three as a bundle (i.e. if you would respond "yes" to a question concerning faculty innovation (as defined above), regardless of faculty E or T, then "yes" is the response to choose).

Q8: Please indicate your thoughts about faculty members' I/E/T being evaluated in cases for promotion and tenure at your institution. If an item is not applicable to you, please do not select a response for that item.

We define a *policy statement* as a set of written principles or rules that guides individual or organizational actions with respect to specific outcomes (e.g. a written statement regarding how faculty members are to be evaluated for promotion and tenure consideration).

	This exists at my institution				I want more of this at my institution			
	Disagree	Neutral	Agree	Not sure	Disagree	Neutral	Agree	Not sure
Evaluation of faculty members' I/E/T in considerations of promotion and tenure, across my discipline	○	○	○	○	○	○	○	○
Evaluation of <u>my</u> I/E/T by others when considering <u>my</u> case for promotion and tenure	○	○	○	○	○	○	○	○
Policy that guides evaluation of faculty members' I/E/T in promotion and tenure considerations	○	○	○	○	○	○	○	○
Training for <u>administrators</u> for <u>how to evaluate</u> faculty members' I/E/T in promotion and tenure considerations	○	○	○	○	○	○	○	○
Training for <u>faculty</u> for <u>how to evaluate</u> faculty members' I/E/T in	○	○	○	○	○	○	○	○

promotion and tenure considerations								
Training for faculty for how to participate in I/E/T activities	○	○	○	○	○	○	○	○
Specialized training for how to participate in I/E/T activities for underrepresented groups	○	○	○	○	○	○	○	○
Specialized training for how to participate in I/E/T activities for students/postdocs	○	○	○	○	○	○	○	○
Administrators support for evaluation of faculty members' I/E/T in considerations of faculty members' promotion and tenure	○	○	○	○	○	○	○	○

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Q9 Please indicate your thoughts on the level to which faculty members' I/E/T should be evaluated in promotion and tenure cases for faculty members in the following discipline areas, by dragging the discipline areas on the left into the boxes on the right.

   Humanities: Arts, Visual and Performing; History; Languages and Linguistics; Literature and Writing; Philosophy; Religio**n**

 Social Sciences: Anthropology and Archaeology; Area, Cultural and Ethnic Studies; Economics; Geography; Gender and Sexuality Studies; Political Science; Psychology; Sociology   **Natural Sciences:** Space Sciences; Earth Sciences; Biological Sciences; Chemistry; Physics

 Formal Sciences: Computer Sciences; Logic; Mathematics/statistics; Systems Science

 Applied and Professional Sciences: Agriculture; Architecture and Design; Business;

Communication and Journalism; Divinity; Education; Engineering; Environmental Sciences; Forestry; Health Sciences/Medical; Law; Library Studies; Military Sciences; Museum Studies, Public Administration and Social Work; Recreation; Transportation

	I have no opinion	Should be evaluated as a <u>minor</u> component	Should not be evaluated	Should be evaluated as a <u>major</u> component
Humanities	○	○	○	○
Social Sciences	○	○	○	○
Natural Sciences	○	○	○	○
Formal Sciences	○	○	○	○
Applied and Professional Sciences	○	○	○	○

Q10 Please elaborate on any of your selections above, on the level to which you think faculty members' I/E/T should be evaluated in promotion and tenure cases for faculty members in discipline areas.

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Q11

Please indicate your level of agreement with the following statements, indicating desires you have for your institution and level of sufficiency you think your institution has achieved.

	This is sufficient at my institution			I want more of this at my institution		
	Disagree	Agree	Not sure	Disagree	Agree	Not sure
Faculty I/E/T is counted as Intellectual contribution, on par with research/scholarship, in evaluations of cases for promotion and tenure	○	○	○	○	○	○
Faculty I/E/T is counted as intellectual product dissemination, on par with publications and/or grant awards, in evaluations of cases for promotion and tenure	○	○	○	○	○	○
Faculty I/E/T is counted as social benefits/broader impacts, in evaluations of cases for promotion and tenure	○	○	○	○	○	○
When faculty I/E/T is considered in promotion and tenure cases, faculty I/E/T is an optional component for faculty, one that may be rewarded when present but not seen	○	○	○	○	○	○

as a requirement for everyone

When faculty I/E/T is considered in promotion and tenure cases, notions of faculty I/E/T are flexible to acknowledge high-quality work in multiple forms

    ○   ○   ○   ○   ○   ○

Q12 Faculty members' I/E/T may be of various types/outputs. Please indicate <u>your</u> desire for the following work types/outputs to count in considerations of promotion and tenure for faculty at your institution.

	Strong desire for this to count	Some desire for this to count	No desire for this to count	Not sure
Copyrights issued/received	○	○	○	○
Companies started	○	○	○	○
I/E/T skills/knowledge taught to students or other faculty, through formal activities (coursework, certificate programs)	○	○	○	○
Industry-sponsored research funding received	○	○	○	○
Intellectual contributions describing I/E/T made to the field (e.g. publications, conference presentations)	○	○	○	○
Invention disclosure submitted	○	○	○	○
License executed	○	○	○	○
License income received	○	○	○	○
Patent application filed (domestic or foreign)	○	○	○	○
Patent issued (domestic or foreign)	○	○	○	○

Technical assistance to external organizations and communities (e.g. community engineering projects)	○	○	○	○
Technology-related grants/contracts received (e.g. Small Business Innovation Research/Small Business Technology Transfer grants)	○	○	○	○
Technology transferred (e.g. to industry, NGOs or into startups)	○	○	○	○
Third party awards earned by faculty for their I/E/T activities	○	○	○	○
Trademarks	○	○	○	○
Trade secrets	○	○	○	○
Other (please write in)	○	○	○	○

Q13 Did we miss asking you something? Please provide any additional comments here:

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