

**Summary of Survey  
November 7, 2017**

Total of 170 respondents, not all submissions were complete.  
All relevant responses were included in the summaries below.

**Table 1. Respondents' College**

College	%	Count
Architecture and Design	1.38%	2
Arts and Sciences	46.21%	67
Haslam College of Business	2.76%	4
Communication and Information	1.38%	2
Education, Health, and Human Sciences	10.34%	15
Tickle College of Engineering	15.17%	22
Nursing	4.14%	6
Social Work	0.69%	1
College of Agricultural Sciences and Natural Resources	3.45%	5
Other unit	14.48%	21
<b>Total</b>	<b>100%</b>	<b>145</b>

**Areas for Cluster Hire**

Respondents were able to list up to three areas of existing strengths. 337 areas were suggested. Responses were grouped based on similar themes.

**Table 2. Existing strengths where a cluster hire should be considered**

Areas of strength with 5 or more mentions	Count
Health and Healthcare	24
Sustainability	22
Environmental Justice	18
Computational life sciences	17
Computation and data analytics	16
Education (inc. access and student success)	14
Materials and Advanced Manufacturing	14
Biology (especially cell)	13
Neuroscience	13
Energy	12
Arts and Creative Work	9
Environment and Conservation	9
Infrastructure (inc. smart cities)	9
Business	8
Socioeconomic, political, and racial inequalities	7
Medical Humanities	6
Medieval & Renaissance Studies	6

Water	6
Social Science	5

Respondents were able to list up to three areas of emergent strengths. 278 areas were suggested. Responses were grouped based on similar themes. Most emergent strengths are also listed as existing strengths.

**Table 3. Emergent strengths where a cluster hire should be considered**

<b>Emergent areas of strength with 5 or more mentions</b>	<b>Count</b>
Health and Healthcare*	23
Education (inc. access and student success)*	22
Environmental justice*	17
Neuroscience*	13
Materials and advanced manufacturing*	12
Sustainability*	12
Computation and data analytics*	10
Computational life sciences*	10
Environment and Conservation*	9
Arts and Creative Work*	6
Energy*	5
Gaming	5
Infrastructure (inc. smart cities)*	5
Medical Humanities*	5
Transportation	5

\*Emergent strength is repeated from existing strengths list

### Grand Challenges

Respondents were able to list up to three potential grand challenge topics. 369 topics were suggested. Responses were grouped based on similar themes.

**Table 4. Possible grant challenge topics**

<b>Potential topics with 5 or more mentions</b>	<b>Count</b>
Food, Energy, Water Systems	49
Education (inc. access and student success)	45
Socioeconomic, political, and racial inequalities	45
Health and Healthcare	34
Sustainability	30
Earth systems (inc. climate)	18
Critical thinking	15
Brain	14
Environmental justice	13
Infrastructure (inc. smart cities)	13
Agriculture	7

Transportation	7
Addiction	6
Aging	6
Computation and data analytics	6
Quantum	6
Advanced materials and manufacturing	5

**Criteria for selection:**

Most of the proposed criteria was viewed favorable. Support for using “avoiding competitor’s strength” as a criterion was split.

**Table 5. Support for proposed selection criteria**

	Strongly Disagree / Disagree		Strongly Agree / Agree	
	%	count	%	count
Addresses a grand challenge of societal importance	6.67%	10	93.33%	140
Leverages UT's strengths and assets	5.13%	8	94.87%	148
Avoid competitor's strengths	52.81%	75	47.18%	67
Aligns with national research priorities	17.69%	26	82.32%	121
Aligns with key partners' priorities	18.51%	25	81.48%	110

Respondents were able to suggest additional criteria. 108 suggestions were made. Responses were grouped based on similar themes.

**Table 6. Respondent-suggested selection criteria**

Suggested criteria with 5 or more mentions	Count
Crosses-Disciplines: transdisciplinary, multi-disciplinary, cooperative, collaborative, integration of faculty, science and humanities	20
Impacts on Students: education opportunities, research opportunities	16
Benefits to the local & state communities	13
UT Strengths & Growth Potential for those areas: Baker Center, current faculty research	12
Differentiation of UT: challenges not addressed elsewhere or by other competitors	11
Collaboration with External Partners: ORNL, Community Partners	9
Sustainability of the “Grand Challenge” area: funding; how to make “best use” of limited resources; not “fad” or “trendy” research	8
Will help Attract & Keep Excellent and Diverse Faculty & Students: Spousal Hires	8
Return on Investment: measurable success, visible success in a short time, potential for success	6
Cost of the Cluster Hires	5
Contributes in some way to UT’s Core Values & Mission: land-grant institution; education of students	5