



UTAH SYSTEM OF  
HIGHER EDUCATION

# MEMORANDUM

March 24, 2023

## General Consent Calendar

### A. MINUTES

1. January 12, 2023, Committee of the Whole Minutes – (Attachment)
2. January 13, 2023, Committee of the Whole Minutes – (Attachment)
3. January 30, 2023, Committee of the Whole Minutes – (Attachment)

### B. FINANCE AND FACILITIES

1. Utah State University – Nontraditional Arrangement Vernal Campus – (Attachment)
2. Salt Lake Community College – Nontraditional Arrangement – (Attachment)
3. R541, *Management and Reporting of Institutional Investments* – (Attachment)

### C. TECHNICAL EDUCATION

1. Program Alignment – (Attachment)
2. Transition of Clock-Hour to Credit-Hour – (Attachment)
3. Technical College and Board Policy Alignment – (Attachment)

### D. ACADEMIC EDUCATION

1. Annual Report on Credit for Prior Learning – (Attachment)

### E. STUDENT AFFAIRS

1. No items

### F. WORKFORCE ALIGNMENT

1. Workforce Alignment Pillar Tactics – (Attachment)

### G. PROGRAM NOTIFICATIONS

#### ACTION

##### Specialized Accreditation:

1. Weber State University – Product Design and Development Program

##### 7-Year Report:

2. University of Utah – Department of Biomedical Engineering
3. University of Utah – Department of Film and Media Arts
4. University of Utah – Department of Chemical Engineering
5. University of Utah – Department of Communication Sciences and Disorders
6. University of Utah – Master of Science and Technology
7. Utah State University – Department of Nutrition, Dietetics, and Food Sciences
8. Weber State University – Anthropology Program

##### 5-Year Report:

9. Weber State University – Philosophy Program
10. Weber State University – Master of Science in Computer Engineering

11. Weber State University – Political Science Program
12. Weber State University – Dance Program

**3-Year Report:**

13. Utah Valley University – Certificate of Proficiency in Art and Design
14. Utah Valley University – Bachelor of Sciences in Aerospace Technology Management
15. Utah Valley University – Bachelor of Architecture
16. Utah Valley University – Bachelor of Sciences in Aviation Management
17. Utah Valley University – Certificate of Proficiency in Aviation Science
18. Utah Valley University – Certificate of Proficiency in Cabinetry and Woodworking
19. Utah Valley University – Certificate of Proficiency in Construction Management
20. Utah Valley University – Certificate of Proficiency in Criminal Justice
21. Utah Valley University – Certificate of Completion in General Education
22. Utah Valley University – Certificate of Proficiency in Health
23. Utah Valley University – Certificate of Proficiency in Information Systems and Technology
24. Utah Valley University – Master of Arts in Marriage and Family Relations
25. Utah Valley University – Masters in Financial Planning and Analytics
26. Utah Valley University – Master of Physician Assistant Studies
27. Utah Valley University – Bachelor of Arts/Bachelor of Sciences in National Security Studies
28. Utah Valley University – Certificate of Proficiency in Public and Community Health
29. Utah Valley University – Associate of Applied Sciences in Web Design and Development
30. Utah Valley University – Certificate of Proficiency in Surveying Technology

**INFORMATION**

**New Programs:**

1. Utah Tech University – Associate of Applied Sciences in Hotel and Resort Operations
2. Utah Tech University – Associate of Sciences in Hotel and Resort Operations
3. Utah Tech University – Bachelor of Sciences in Hotel and Resort Management
1. Utah Tech University – Bachelor of Sciences in Data Science
2. Utah State University – Bachelor of Sciences in Animal and Dairy Sciences
3. Utah State University – Bachelor of Sciences in Biotechnology
4. Utah State University – Bachelor of Sciences in Bioveterinary Science
5. Utah State University – Bachelor of Sciences in Equine Science and Management

**NOTIFICATIONS**

**New Programs:**

1. Utah Valley University – Minor in Environmental Science and Management
2. University of Utah – Post-Baccalaureate Certificate in Clinical and Translational Investigation
3. University of Utah – Post-Baccalaureate Certificate in Implementation Science
4. University of Utah – Minor in Educational Psychology

5. University of Utah – Post-Baccalaureate Graduate Certificate in Education in Health Professions
6. University of Utah – Minor in Financial Planning and Counseling
7. Weber State University – Minor in Marketing
8. Snow College – Certificate of Proficiency in Medical Assistant
9. Snow College – Certificate of Proficiency in Digital Marketing

**New Emphasis:**

10. Utah Valley University – Bachelor of Sciences in Computer Science – Secure Computing Emphasis
11. University of Utah – Bachelor of Fine Arts in Art – Book Arts Emphasis
12. Name Change:
13. Weber State University – Bachelor of Sciences in Building Design and Construction to Architectural Design
14. Weber State University – Minor in Building Design and Construction Architectural Design to Architectural Design
15. Weber State University – Certificate of Proficiency in Building Design and Construction Essentials to Design-Build Essentials
16. Weber State University – Bachelor of Sciences in Product Design and Development: An Engineering Technology to Product Design and Development
17. Weber State University – Minor in Web Technology to Web Development
18. Utah Valley University – Master of Public Service to Master of Public Administration

**Discontinuance:**

19. Weber State University – Bachelor of Sciences in Automotive Technology – Field Service Operations Emphasis
20. Weber State University – Bachelor of Sciences in Automotive Technology – Advanced Vehicle Systems Emphasis
21. University of Utah – Bachelor of Sciences in Athletic Training
22. Utah Valley University – Bachelor of Arts/Bachelor of Sciences in Economics

**Program Restructure:**

23. Weber State University – Bachelor of Sciences in Automotive Technology
24. Weber State University – Bachelor of Sciences in Respiratory Therapy
25. Utah Valley University – Bachelor of Arts in Deaf Studies – General Deaf Studies Emphasis
26. Utah Valley University – Bachelor of Arts in Deaf Studies – Interpreting Emphasis
27. Utah Valley University – Bachelor of Sciences in Technology Management
28. Utah Valley University – Associate of Applied Sciences in Technology
29. Utah Valley University – Bachelor of Arts/Bachelor of Sciences in Human Resource Management
30. Utah Valley University – Bachelor of Arts/Bachelor of Sciences in Psychology
31. Utah Valley University – Bachelor of Arts in American Sign Language Secondary Education

32. Utah Valley University – Bachelor of Sciences in Business Management

**Administrative Unit Name Change:**

33. Weber State University – Department of Performing Arts to School of Performing Arts

**New Administrative Unit:**

34. University of Utah – Division of Quantitative Analysis of Markets and Organizations

H. AWARDS

1. University of Utah – DHHS Health Resources & Services Admin; “Casper/Hewes Pecarn Jan 2022”; \$3,200,000. Principal Investigator, Theron Charles Casper.
2. University of Utah – National Science Foundation; “PPOSS-FULL”; \$3,649,643, Principal Investigator, Ponnuswamy Saayappan.
3. University of Utah – Utah Dept of Health and Human Services; “IV-E Research FY23-27”; \$2,659,026. Principal Investigator, Meghan Louise Broadbent.
4. University of Utah – US Department of Defense; “WELM\_DOD\_06.23.2021\_INI”; \$6,079,790. Principal Investigator, Alana Lee Welm.
5. University of Utah – US Department of Energy; “Enhanced Geothermal-Forge”; \$49,500,000. Principal Investigator, Joseph N Moore.
6. University of Utah – NIH Natl Inst Allergy & Infectious Dis; “Sundquist U54 Cheetah”; \$5,522,958. Principal Investigator, Wesley I Sundquist.
7. University of Utah – Genentch Inc; “ROCHE WA42294 OLE”; \$3,868,454. Principal Investigator, Mary Beth Scholand.
8. University of Utah – National Science Foundation; “CSOE”; \$4,000,000. Principal Investigator, Shelley D Minter.
9. University of Utah – Utah Dept of Health and Human Services; “UT IV-E Training FY23-27”; \$17,921,264. Principal Investigator, Chad Hughes McDonald.
10. University of Utah – Renovacor; “Shaw Renovacor May 2022”; \$3,531,990. Principal Investigator, Robin Mark Shaw.
11. University of Utah – NIH National Inst Child Health d& Human Dev; “Dean PL1 CPCCRN”; \$2,412,756. Principal Investigator, J Michael Dean.
12. University of Utah – National Multiple Sclerosis Society; “Casper NMSS Renewal Nov 2021”; \$3,499,411. Principal Investigator, Theron Charles Casper.
13. University of Utah – Horizon Therapeutics Inc; “Extinguish”; \$3,197,301. Principal Investigator, Stacey Lynn Clardy.
14. University of Utah – NIH National Institute on Drug Abuse; “Greater Intermountain Node”; \$2,330,942. Principal Investigator, 2,330,942. Principal Investigator, Adam Joseph Jordon.
15. University of Utah – NIH Natl Cr for Advncing Translf Scnces; “Dean U24 NCATS Sep 2015”; \$2,325,71. Principal Investigator, J Michael Dean.
16. University of Utah – US Department of Defense; “WELM\_BCRP\_Consortium”; \$3,561,354. Principal Investigator, Alana Lee Welm.

17. University of Utah – DOT Natl Highway Traffic Safety Admn; “NEMSIS TAC”; \$5,923,000. Principal Investigator, Newell C Mann.
18. University of Utah – NIH Natl Neurog Disorders Stroke; “Extinguish”; \$3,970,523. Principal Investigator, Stacey Lynn Clardy.
19. University of Utah – IGNUYA Operating Inc; “RXDX-101-103”; \$2,424,506. Principal Investigator, Luke Maese.
20. University of Utah -National Science Foundation; “Toxic Benthic Mats”; \$2,997,766. Principal Investigator, Ramesh Goel.
21. University of Utah – NIH Office of the Director; “Stanford Echo UG3/UH3 Apr 2016”; \$2,612,275. Principal Investigator Joseph Stanford.
22. University of Utah – Salt Lake County UT; “Hobson SLCO Wise July 2022”; \$2,302,054. Principal Investigator Winifred L Hobson-Rohrer.
23. Utah Valley University – ARPA Community Grants Medical Services; “ARPA Community Grants Medical Services”; \$2,000,000. Principal Investigator, Sue Jackson.
24. Utah Valley University – Research Foundation of the City University of New York; “Nation Implementation Project for Sustained Public Health Partnerships between Mental Health Service Organizations and Faith-based Organizations”; \$2,000,000. Principal Investigator, Kari O’Grady.

#### I. GRANT PROPOSALS

1. University of Utah – NIH Natl Ctr for Advancing Trnslt Scnces; “CTSI UMI”; \$38,703,469. Principal Investigator, Rachel Hess.
2. University of Utah – NIH Natl Ctr for Advncing Traslt Scnes; “CTSI K12”; \$4,860,000. Principal Investigator, Maureen Murtaugh.
3. University of Utah – NIH Natl Ctr for Advncing Trnslt Scnces; “CTSI RC2-DHAR”; \$3,843,610. Principal Investigator, Guilherme Del Fiol.
4. University of Utah – Utah Stem Action Center; “STEM AC Evaluation”; \$2,340,723. Principal Investigator, Andrea K Rorrer.
5. University of Utah – US Department of Energy; “DOE SAGE-UIFL”; \$9,527,078. Principal Investigator, Jennifer Lee Weidhaas.
6. University of Utah – DOE Office of Basic Energy Sciences; “Real-Time AM Qualification”; \$4,359,590. Principal Investigator, Ashley Spear.
7. University of Utah – National Science Foundation; “NSF CPS Frontier”: \$4,503,674. Principal Investigator, Kam K Leang.
8. University of Utah – DOD Defense Advanced Research Projects Agency; “MEMS Stabilized Clocks”; \$3,441,451. Principal Investigator, Massood Tabib-Azar.
9. University of Utah – National Science Foundation; “RE-VAMP”; \$2996,832. Principal Investigator, Bar Raeymaekers.
10. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “Effective and Safe Modulation”; \$2,3801,110. Principal Investigator, Jan Kubanek.

11. University of Utah – American Battery Factory Inc; “Commercial Manufacturing”; \$2,000,299. Principal Investigator, Tao Gao.
12. University of Utah – NIH Natl Inst Diabetes Digest Kidney Dis; “Eating Mindfully NIDDK Ro1”; \$3,782,200. Principal Investigator, Tanya M Halliday.
13. University of Utah – NIH National Institutes on Aging; “Fall-Risk in Geriatric MTBI”; \$2,777,970. Principal Investigator, Peter C Fino.
14. University of Utah –NIH National Cancer Institute; “Warner Echo ro1 May 2022”; \$3,759,499. Principal Investigator, Echo Lyn Warner.
15. University of Utah – NIH Natl Inst Diabetes Digest Kidney; “ML@ASB CGM+OPC Ro1 June 2022”; \$3,753,838. Principal Investigator, Michelle Lean Litchman.
16. University of Utah – NIH National Institute Environl Hlth Sci; “Reilly R25”; \$8,580,137. Principal Investigator, Christopher A Reilly.
17. University of Utah – NIH Natl Int Neurolog Disorders Stroke; “MGLUR5 in Epilepsy Revised”; \$3,463,582. Principal Investigator, Karen S Wilcox.
18. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “Single Cell Types”; \$3,331,342. Principal Investigator, Eric W Schmidt.
19. University of Utah – DHHS National Institutes of Health; “Ro1 Resub Bortolato, Marco: A”; \$2,966,114. Principal Investigator, Marco Bortolato.
20. University of Utah – National Science Foundation; “TA Analysis 2021”; \$3,070,615. Principal Investigator, Charles Jui.
21. University of Utah – UT Division of Child and Family Services; “UT IV-E Training RY23-27”; \$18,379,639. Principal Investigator, Chad Hughes McDonald.
22. University of Utah – DHHS National Institutes of Health; “More Primary Care Ro1”; \$3,835,076. Principal Investigator, Eric L Garland.
23. University of Utah – NIH National Cancer Institute; “KEPKA\_PREVENT\_Ro1”; \$3,940,874. Principal Investigator, Deanna Lee Kepka.
24. University of Utah – DHHS National Institutes of Health; “Whitehead NIH Ro1 New 6.6.22”; \$3,800,832. Principal Investigator, Kevin J Whitehead.
25. University of Utah – NIH National Cancer Institute; “CAMP\_NIH\_Ro1\_Resubmission”; \$3,620,540. Principal Investigator, Nicola J Camp.
26. University of Utah – DHHS National Institutes of Health; “MSTP T32 Resubmission”; \$3,363,291. Principal Investigator, Michael S Kay.
27. University of Utah – DHHS National Institutes of Health; “Petrey NIH Ro1 New 6.6.22”; \$3,335,803. Principal Investigator, Aaron C Petrey.
28. University of Utah – DHHS National Institutes of Health; “Campbell NIH Ro1 New 6.6.22”; \$3,186,991. Principal Investigator, Robert A Campbell.
29. University of Utah – DHHS National Institutes of Health; “Ro1 PA-20-185 Radiation”; \$3,057,665. Principal Investigator, Ravi Ranjan.
30. University of Utah – NIH National Cancer Institute; “Kirchhoff\_Ro1\_6.6.22”; \$2,955,412. Principal Investigator, Anne C Kirchhoff.

31. University of Utah – DHHS National Institutes of Health; “Rothenfluh NIH R01”; \$,946,983. Principal Investigator, Adirana Rothenfluh.
32. University of Utah – NIH National Inst Child Hlth & Human Dev; “DBTG”; \$2,7000,000. Principal Investigator, H Joseph Yost.
33. University of Utah – DHHS National Institutes of Health; “R01-PA-20-183 Flutter”; \$2,620,377. Principal Investigator, Rave Ranjan.
34. University of Utah – DHHS National Institutes of Health; “Role for Leukotrienes”; \$2,591,412. Principal Investigator, Ademuyi Armolaran.
35. University of Utah – DHHS National Institutes of Health; “R33 Resub Drummond 7.16.22”; \$2,321,420. Principal Investigator, Micha J Drummond.
36. University of Utah – DHHS National Institutes of Health; “Leibold NIH R01 New 6.6.22”; \$2,094,169. Principal Investigator, Elizabeth A Leibold.
37. University of Utah – US Department of Energy; “DE-FOA-002630 Solar Thermal”; \$4,355,521. Principal Investigator, Kody Merlin Powell.
38. University of Utah – NIH National Cancer Institute; “Kinsey\_R01\_Resub\_5.26.22”; \$3,843,262. Principal Investigator, Conan Grant Kinsey.
39. University of Utah – NIH National Institute on Aging; “Hardikar\_Colorectal Cancer”; \$3,788,658. Principal Investigator, Sheetal Hardikar.
40. University of Utah – NIH National Institute on Aging; “O’Connell\_R01\_4.4.22”; \$3,611,840. Principal Investigator, Ryan M O’Connell.
41. University of Utah – NIH National Cancer Institute; “Coletta\_R01\_6.6.22”; \$3,527,586. Principal Investigator, Adriana M Coletta.
42. University of Utah – NIH Natl Ctr for Advncing Translt Scnces; “Dean U24 TIC June 2022”; \$23,098,671. Principal Investigator, Michael J Dean.
43. University of Utah – Army Medical Research Acquisition Activity; “Purgo Pouch TTDA Level 2”; \$4,887,609. Principal Investigator, Dustin Lee Williams.
44. University of Utah – NIH National Heart Lung & Blood Inst; “Holubkov U24 June 2022”; \$4,324,337. Principal Investigator, Richard Holubkov.
45. University of Utah – DHHS Agncy for Healthcare Resh & Quality; “Improving Diagnostic Safety”; \$3,999,131. Principal Investigator, Valerie Michele Vaughn.
46. University of Utah – DHHS National Institutes of Health; “Personalized Rise Stratificat”; \$3,865,436. Principal Investigator, Benjamin Adam Steinberg.
47. University of Utah – DHHS National Institutes of Health; “Mait Sepsis R01”; \$3,771,067. Principal Investigator, Daniel Ted Leung.
48. University of Utah – SAMHSA Center for Substance Abuse Prevention; “SAMHS A MAT-PDOA”; \$3,750,000. Principal Investigator, Adam Joseph Gordan.
49. University of Utah – DHHS National Institutes of Health; “ECMO Trial-Tonna R01 June22”; \$3,605,496. Principal Investigator, Joseph E Tonna.
50. University of Utah – Massachusetts General Hospital; “Rapaport Sub MGH JUN 2022”; \$3,576,991. Principal Investigator, Mark Hyman Rapaport.



51. University of Utah – NIH National Inst of General Medical Sci; “NIH Nitro Gel”; \$3,548,177. Principal Investigator, Dustin Lee Williams.
52. University of Utah – DHHS National Institutes of Health; “LAI R01 June 2022”; \$3,527,65. Principal Investigator, Kent Lai.
53. University of Utah – NIH National Institute of Nursing Rsrch; “KOY R01 June 2022”; \$3,405,503. Principal Investigator, Flory Lumu Nkoy.
54. University of Utah – NIH National Inst Child Hlth & Human Dev; “Hotaling SCI R01 June 2022”; \$3,404,334. Principal Investigator, James Morris Hotaling.
55. University of Utah – DHHS National Institutes of Health; “Pelvic Prolapse Prevention”; \$3,269,237. Principal Investigator, Carolyn W Swenson.
56. University of Utah – NIH National Institute of Mental Health; “Langenecker R33 June 2022”; \$3,021,356. Principal Investigator, Scott Aaron Langenecker.
57. University of Utah – DHHS National Institutes of Health; “MOCHA”; \$2,991,206. Principal Investigator, Chun Yuan.
58. University of Utah – DHHS National Institutes of Health; “Zelikowsky R01”; \$2,985,930. Principal Investigator, Moriel Zelikowsky.
59. University of Utah – HRSA Bureau of Health Professions; “Utah AHEC”; \$2,962,438. Principal Investigator, Evette Amelia Lopez.
60. University of Utah – DHHS National Institutes of Health; “New R01 ROH-Johnson”; \$2,338,913. Principal Investigator, Minna Roh.
61. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “MRI FUS & Spinal Cord Injury”; \$2,289,247. Principal Investigator, Donna Cross.
62. University of Utah – Army Medical Research Acquisition Activity; “Bone Cap”; \$2,245,878. Principal Investigator, David L Rothberg.
63. University of Utah – National Eye Institute; “CNAPI in Vision”; \$2,236,917. Principal Investigator, Jun Yang.
64. University of Utah – DHHS National Institutes of Health; “Decision Tools Diarrhea Childr”; \$2,116,125. Principal Investigator, Daniel Ted Leung.
65. University of Utah – CDC National Ctr for Infectious Diseases; “RFTOP 2021 Domain 1-A006”; \$2,000,000. Principal Investigator, Matthew H Samore.
66. University of Utah – National Science Foundation; “Pre-Proposal: AI Institute”; \$20,000,000. Principal Investigator, Valerio Pascucci.
67. University of Utah – NIH National Inst of General Medical Sci; “NRBC”; \$6,798,640. Principal Investigator, Principal Investigator, Robert S Macleod.
68. University of Utah – NIH Natl Inst Dental Craniofacial Rsrch; “Craniorate”; \$3,757,123. Principal Investigator, Ross T Whitaker.
69. University of Utah – DHHS National Institutes of Health; “Blair NIH UG3/UH3 2022”; \$5,462,161. Principal Investigator, Steven M Blair.
70. University of Utah – DHHS National Institutes of Health; “Deans R01 Synthetic Circuits”; \$3,424,759. Principal Investigator, Tara Lynn Deans.



71. University of Utah – NIH Natl Inst Deaf & Other Comm Disorder; “U24 Center for Audiology”; \$2,880,499. Principal Investigator, Holly A Holman.
72. University of Utah – Utah System of Higher Education; “Robotic Deep Tech”; \$2,244,764. Principal Investigator, Mark Andrew Minor.
73. University of Utah – NIH Natl Inst Diabetes Digest Kidney Dis; “Simonsen Maps Engage R01Jun22”; \$3,805,951. Principal Investigator, Sara Marie Ellis Simonsen.
74. University of Utah – HRSA Rural Health Policy; “HRSA Rural Opioid”; \$2,000,000. Principal Investigator, Linda S Edelman.
75. University of Utah – DHHS National Institutes of Health; “Targeting ISCA2”; \$2,351,282. Principal Investigator, Mei Yee Koh.
76. University of Utah – NIH National Institute on Drug Abuse; “R01 Illudalogs in Sub”; \$2,336,029. Principal Investigator, Amy M Barrios.
77. University of Utah – DHHS National Institutes of Health; “R01 20-183-Ranjan Tachycardia”; \$3,054,226. Principal Investigator, Ravi Ranjan.
78. University of Utah – DHHS National Institutes of Health; “Robin Shaw MPI R01 Resub”; \$3,019,216. Principal Investigator, Robin Mark Shaw.
79. University of Utah – DHHS National Institutes of Health; “R01 20-183-Ranjan (Flutter)”; \$2,696,551. Principal Investigator, Ravi Ranjan.
80. University of Utah – US Department of Energy; “Graphite and Lithium Battery”; \$50,001,107. Principal Investigator, Rasoul B Sorkhabi.
81. University of Utah – DHHS National Institutes of Health; “ENDO NIH Resub”; \$3,894,880. Principal Investigator, Karen Cecilia.
82. University of Utah – DHHS National Institutes of Health; “RPL CVD”; \$3,866,898. Principal Investigator, Karen Cecilia Schliep.
83. University of Utah – NIH National Institute on Aging; “R01 Regulatory Mech Resub”; \$3,846,640. Principal Investigator, Christopher T Gregg.
84. University of Utah – NIH National Institute of Nursing Rsrch; “R01 Mar-Wellness Resub”; \$3,625,154. Principal Investigator, Jorie Michaela Butler.
85. University of Utah – DHHS National Institutes of Health; “Dr. Yang Renewal”; \$3,347,200. Principal Investigator, Tianxin Yang.
86. University of Utah – NIH National Institute of Mental Health; “R01MH129450 Resub KIRREL3-GABA”; \$3,199,386. Principal Investigator, Megan E Williams.
87. University of Utah – NIH National Institutes of Health; “Clark Renewal Resub 07 2022”; \$3,122,465. Principal Investigator, Nathan Clark.
88. University of Utah – DHHS National Institutes of Health; “IAQ W Fast Response CFD”; \$2,808,379. Principal Investigator, Darrah Kaye Howe.
89. University of Utah – DHHS National Institutes of Health; “Stroke and Deep MRI Learning”; \$2,736,656. Principal Investigator, Edward Victor Rebok Di Bella.
90. University of Utah – DHHS National Institutes of Health; “English S10 Resub June 2022”; \$2,000,000. Principal Investigator, Justin Gregory English.

91. University of Utah – Foundation of National Inst of Health; “Hydrogel Electrode Array”; \$2,167,661. Principal Investigator, Yantao Fan.
92. University of Utah – DHHS National Institutes of Health; “BoudinaNIH R01 New”; \$3,344,062. Principal Investigator, Sihem Boudina.
93. University of Utah – DHHS National Institutes of Health; “NIH DP2 – Rural High Schools”; \$2,260,560. Principal Investigator, Ryan Donald Burns.
94. University of Utah – DOE Advanced Resrch Projects Agency-Energy; “Curie ARPA-E Simpson”; \$2,481,171. Principal Investigator, Michael F Simpson.
95. University of Utah – DHHS National Institutes of Health; “Taylor-Swanson ACUPASC 2022”; \$7,231,019. Principal Investigator, Lisa Taylor-Swanson.
96. University of Utah – Beth Israel Deaconess Medical Center; “Taylor-Swanson PACS DOD Aug22”; \$4,245,735. Principal Investigator, Lisa Taylor-Swanson.
97. University of Utah – US Department of Defense; “DOD CDMRP-Schmidt”; \$9,636,235. Principal Investigator, Eric W Schmidt.
98. University of Utah – DHHS National Institutes of Health; “RFA-RM-22-019-LU”; \$2,261,360. Principal Investigator, Yue Lu.
99. University of Utah- DHHS National Institutes of Health; “REACH-OUT”; \$3,695,278. Principal Investigator, Sheila Elizabeth Crowell.
100. University of Utah – Tikkunlev Therapeutics Inc; “Shaw/Hong Tikkunlev June 2022”; \$13,889,128. Principal Investigator, Robin Mark Shaw.
101. University of Utah – US Department of Defense; “HoareauPRMRP Expansion 2022”; \$4,289,991. Principal Investigator, Guillaume L Hoareau.
102. University of Utah – NIH Office of the Director; “8.19.22\_Young\_DP2”; \$2,310,000. Principal Investigator, Arabella Young.
103. University of Utah – DHHS National Institutes of Health; “Brian Evavold R01 Resub”; \$3,592,041. Principal Investigator, Brian D Evavold.
104. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “R01-Frontotemporal Dementia”; \$3,547,974. Principal Investigator, Daniel R Scoles.
105. University of Utah – DHH National Institutes of Health; “Matt Bettini R01 Sub Brown”; \$3,499,318. Principal Investigator, Matthew Louis Bettini.
106. University of Utah – DHHS National Institutes of Health; “R01 20-185 Lamb”; \$3,150,160. Principal Investigator, Tracey Lamb.
107. University of Utah – NIH National Heart Lung & Blood Inst; “Addressing Sleep Disparities”; \$3,004,773. Principal Investigator, Kelly Glazer Baron.
108. University of Utah – DHHS National Institute of Health; “Vetter R01 Aug 2022”; \$2,943,579. Principal Investigator, Monica L Vetter.
109. University of Utah – DHHS National Institutes of Health; “R01 PA-185 Cont. Schistoso”; \$2,837,093. Principal Investigator, Keke Fairfax.
110. University of Utah – NIH National Inst Child Hlth & Human Dev; “OHLS NRN UG1 Renewal Aug 2022”; \$2,383,920. Principal Investigator, Robin Kjerstin Ohls.

111. University of Utah – University of Michigan; “Casper Mich PCORI Sub Aug 2022”; \$2,344,672. Principal Investigator, Theron Charles Casper.
112. University of Utah – John Hoopkins University; ”Debbink PCORI;” \$2,253,950. Principal Investigator, Michelle Debbink.
113. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “Ro1 EAET for Migraine”; \$2,057,181. Principal Investigator, Dan Kaufmann.
114. University of Utah – University of Notre Dame; “Evavold Sub Notre Dame”; \$2,030,490. Principal Investigator, Brian D Evavold.
115. University of Utah – NIH National Heart Lung & Blood Inst; “\$2,013,571. Principal Investigator, Theodore G Liou.
116. University of Utah – NIH Natl Ctr for Advncing Translt Scnces; “CTSI RC2-PM”: \$3,848,944. Principal Investigator, Martin Tristani-Firouzi.
117. University of Utah – US Department of Defense; “Biomanufacturediabetespatient”; \$2,516,931. Principal Investigator, Mikhail Skliar.
118. University of Utah – National Science Foundation; “LEAP HI MFDA”; \$2,00,000. Principal Investigator, Bruce K Gale.
119. University of Utah – DHHS National Institutes of Health; “Takahashi RO1 Leg Amputation”; \$2,753,715. Principal Investigator, Kota Takahashi.
120. University of Utah – DHHS National Institutes of Health; “Ro1MPI Oct 2022”; \$3,080,000. Principal Investigator, Robin Mark Shaw.
121. University of Utah – NIH National Cancer Institute; “Buckley\_Ro1\_NEW\_06.06.22”; \$2,991,297. Principal Investigator, Shannon Mychel Buckley-McKeown.
122. University of Utah – Howard Hughes Medical Institute; “Intricate Immune Networks”; \$2,000,000. Principal Investigator, Arabella Young.
123. University of Utah – DHHS National Institutes of Health; “First Building Bridges”; \$15,752,529. Principal Investigator, Kolawole S Okuyemi.
124. University of Utah – DHHS Centers for Disease Control & Prev; “Leung CDC”; \$14,971,373. Principal Investigator, Daniel Ted Leung.
125. University of Utah – DHHS National Institutes of Health; “DP1 Sept 2022”; \$3,500,000. Principal Investigator, Jason Dennis Shepherd.
126. University of Utah – NIH Natl Neurolog Disorders Stroke; “Kaufmann-UG3/UH3”; \$3,452,134. Principal Investigator, Dan Kaufmann.
127. University of Utah – DHHS National Institutes of Health; “PRR24”; \$3,356,500. Principal Investigator, Tianxin Yang.
128. University of Utah – Foundation of National Inst of Health; “Morphologic and Kinematic ADA”; \$3,077,995. Principal Investigator, Andrew Edward Anderson.
129. University of Utah – DHHS Health Resources & Services Admn; “CHWTP”; \$2,846,961. Principal Investigator, Ivette Amelia Lopez.
130. University of Utah – DHHS National Institutes of Health; “HIV Reversal Euphorbia Spec”; \$2,836,493. Principal Investigator, Adam Mitchell Spivak.

131. University of Utah – DHHS Centers for Disease Control & Prev; “Bakian Bilder CDC DDM Sept 22”; \$2,400,000. Principal Investigator, Amanda Birginie Bakian.
132. University of Utah – DHHS National Institutes of Health; “MAIT Renewal AII30378”; \$2,162,740. Principal Investigator, Daniel Ted Leung.
133. University of Utah – DOE National Nuclear Security Admn; “McDonald NNSA Consortium”; \$24,999,423. Principal Investigator, Luther W McDonald IV.
134. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “3D Implantable Device”; \$3,235,660. Principal Investigator, Huanan Zhang.
135. University of Utah – National Science Foundation; “Living Plant-Based Biosensors”; \$2,020,378. Principal Investigator, Hanseup Kim.
136. University of Utah – National Science Foundation; “EFRI-ELIS-WATER”; \$2,000,000. Principal Investigator, Yunhsan Wang.
137. University of Utah – NIH Natl Inst Neurolog Disorders Stroke; “R01: Interactions after TBI”; \$3,802,982. Principal Investigator,
138. University of Utah – DHHS National Institutes of Health; “New R01 PA-20-183”; \$3,671,761. Principal Investigator, Anne Thackeray.
139. University of Utah – DHHS National Institutes of Health; “GHOSH NIH R01 ES1 Resub10.3.22”; \$2,512,400. Principal Investigator, Rajeshwary Ghosh.
140. University of Utah – NIH National Institute on Aging; “CHAIX RFA-AG-23-013”; \$2,325,274. Principal Investigator, Amandine Chaix.
141. University of Utah – Cornell University; “Permafrost Thaw”; \$2,498,506. Principal Investigator, Leif Stefan Anderson.
142. University of Utah – NIH National Institute on Aging; “Bristol/Wallace R01 Oct 2022”; \$3,819,772. Principal Investigator, Alycia Aileen Bristol.
143. University of Utah – DHHS National Institutes of Health; “RFS-OD-22-013 Peterson”; \$3,070,808. Principal Investigator, Randall Theodore Peterson.
144. University of Utah – DHHS National Institutes of Health; “Transgenerational Heavy Metal”; \$2,363,271. Principal Investigator, Sara Elizabeth Grineski.
145. University of Utah – NIH National Cancer Institute; “Wetter\_Healthywest\_10.5.22”; \$3,869,623. Principal Investigator, David Wetter.
146. University of Utah – NIH National Cancer Institute; “LAM-R01\_10.05.2022”; \$3,847,592. Principal Investigator, Cho Yan Lam.
147. University of Utah – NIH Natl Inst Neurolog Disorders; “ZHU New R01 10.5.22”; \$3,104,874. Principal Investigator, Weiquan Zhu.
148. University of Utah – NIH Natl Inst Alcohol Abuse & Alcoholism; “Rothenfluh New R01 10.5.22”; \$2,981,305. Principal Investigator, Adrian Rothenfluh.
149. University of Utah – NIH Natl Inst Diabetes Digest Kidney Dis; “MRNA CAP Methyltransferase 1”; \$3,849,990. Principal Investigator, Josef Tomas Prchal.
150. University of Utah – US Department of Energy; “GEODE”; \$2,868,978. Principal Investigator, Milind Deo.

151. University of Utah – DHHS National Institutes of Health; “PH Environmental RO1”; \$5,322,343. Principal Investigator, Kimberly I Shaof.
152. University of Utah -DHHS National Institutes of Health; “JD Smith RO1 NEW”; \$4,462,797. Principal Investigator, Justin Dean Smith.
153. University of Utah – NIH National Institute of Mental Health; “Capecchi Resubmission 10.2022”; \$3,848,535. Principal Investigator, Mario R Capecchi.
154. University of Utah – DHHS National Institutes of Health; “RO1 Par-21-035 Ozanne”; \$3,844,763. Principal Investigator, Elissa Ozanne.
155. University of Utah – NIH John E Fogarty International Center; “DochertyRO1-India”; \$3,834,600. Principal Investigator, Anna Rose Docherty.
156. University of Utah – DHHS National Institutes of Health; “ESRA RO1 – Oct2022”; \$3,776,455. Principal Investigator, Brian Thomas Bucher.
157. University of Utah – NIH Natl Inst Arthritis Muscoskel Skin Dis; “AnkleFractures”; \$3,747,795. Principal Investigator, Amy Lorraine Lenz.
158. University of Utah – NIH National Institute Environ Hlth Sci; “Myers RO1 2022”; \$3,727,844. Principal Investigator, Jeremy B Myers.
159. University of Utah – NIH Natl Inst Deaf & Other Comm Disorder; “RO1 Jenny Pierce”; \$2,976,222. Principal Investigator, Lie m Barkmeier-Kramer.
160. University of Utah – DHHS National Institutes of Health; “Frost RO1 Par-20-157”; \$2,893,390. Principal Investigator, Nicholas Alonza Frost.
161. University of Utah – DHHS National Institutes of Health; “Role of Sex Hormone Augmentation”; \$2,871,564. Principal Investigator, Robert Zaray Tashjian.
162. University of Utah – NIH National Inst Arthrit Muscoskel Skin Dis; “Rieke UH3”; \$2,620,055. Principal Investigator, Viola Rieke.
163. University of Utah – NIH National Eye Institute; “Disease Mechanisms Ushers2”; \$2,606,360. Principal Investigator, Jun Yang.
164. University of Utah – NIH National Eye Institute; “Func of CFAP418”; \$2,466,185. Principal Investigator, Jun Yang.
165. University of Utah – DHHS National Institutes of Health; “Maria Bettini Renewal RO1 11/7”; \$2,277,324. Principal Investigator, Maria Bettini.
166. University of Utah – DHHS National Institutes of Health; “SSM-RND”; \$3,706,178. Principal Investigator, Shireen Youssef Elhabian.
167. University of Utah – DHHS National Institutes of Health; “Mind-Body Health”; \$6,930,000. Principal Investigator, Aaron Jason Fischer.
168. University of Utah – US Department of Education; “Culturally Responsive MH”; \$5,021,019. Principal Investigator, Keith C Radley.
169. University of Utah – US Department of Education; “Building MH in Rural Schools”; \$4,770,921. Principal Investigator, Aaron Jason Fischer.
170. University of Utah – DHHS National Institutes of Health; “Synthetic Circuits”; \$3,668,735. Principal Investigator, Tara Lynn Deans.

171. University of Utah – National Science Foundation; “NSF NRT-FW-2022”; \$3,000,000. Principal Investigator, Darrin J Young.
172. University of Utah – NIH Natl Inst Biomedical Imaging & Bioeng; “Implantable Antenna”; \$2,548,996. Principal Investigator, Huanan Zhang.
173. University of Utah – Purdue University; “NASA STRI AM Certification”; \$2,529,029. Principal Investigator, Jacob Dean Hochhalter.
174. University of Utah – NIH National Cancer Institute; “Ro1 Melanoma Quick Resub”; \$2,228,648. Principal Investigator, Thomas A Zangle.
175. University of Utah – NIH National Cancer Institute; “Warner R01 Resub Nov 2022”; \$3,847,500. Principal Investigator, Echo Lyn Warner.
176. University of Utah – NIH Natl Inst Diabetes Digest Kidney Dis; “Glucose”; \$3,941,855. Principal Investigator, Eric w Schmidt.
177. University of Utah – DHHS National Institutes of Health; “Resub-MH130006 01 Sleep”; \$2,833,966. Principal Investigator, Marco Bortolato.
178. University of Utah – NIH National Cancer Institute; “A. Welm\_R35\_New\_11.8.2022”; \$6,468,000. Principal Investigator, Alana Lee Welm.
179. University of Utah – NIH National Cancer Institute; “Tavtigan\_R35\_New\_11.8.2022”; \$6,432,403. Principal Investigator, Sean Vahram Tavtigan PhD.
180. University of Utah – NIH National Cancer Institute; “Wlem\_U54\_Renewal\_11.1.2022”; \$6,353,748. Principal Investigator, Alana Lee Welm.
181. University of Utah – NIH National Cancer Institute; “Camp\_New\_R01\_10.5.2022”; \$3,836,297. Principal Investigator, Nicola J Camp.
182. University of Utah – DHHS National Institutes of Health; “Rothenfluh Renewal 11.5.22”; \$3,247,663. Principal Investigator, Adrian Rothenflu.
183. University of Utah -NIH National Cancer Institute; “Kirchhoff\_R01\_10.5.2022”; \$3,090,094. Principal Investigator, Anna C Kirchhoff.
184. University of Utah – NIH National Cancer Institute; “Young Children in Sports”; \$3,065,365. Principal Investigator, Yelena Ping Wu.
185. University of Utah – DHHS National Institutes of Health; “New R01 Chaudhuri”; \$3,048,60. Principal Investigator, Dipayan Chaudhuri.
186. University of Utah – DHHS National Institutes of Health; “Rowley R01 Resub 11.5.2022”; \$2,684,960. Principal Investigator, Jesse W Rowley.
187. University of Utah – NIH National Cancer Institute; “Gertz\_NIH\_R01\_10.5.2022”; \$2,612,125. Principal Investigator, Jason Gertz.
188. University of Utah – DHHS National Institutes of Health; “The Role of HIF and Iron Defic”; \$5,195,541. Principal Investigator, Josef Tomas Prchal.
189. University of Utah – NIH National Eye Institute; “Myers\_R01\_10.5.2022”; \$3,913,490. Principal Investigator, Benjamin R Myers.
190. University of Utah – NIH National Cancer Institute; “Coletta\_R01\_10.3.2022”; \$3,694,042. Principal Investigator, Adriana M Coletta.

191. University of Utah – Howard Hughes Medical Institute; “Basham\_HHMI\_9.28.2022”;  
\$2,000,000. Principal Investigator, Kaitlin J Basham.
192. University of Utah – Howard Hughes Medical Institute; “Judson-Torres\_HHMI\_9.28.2022”;  
\$2,000,000. Principal Investigator, Robert J Judson-Torres.