

USTAR  
Current Appropriation  
Fiscal Year 2017

Appropriation by Line Item

Line Item	Line Item Name	FTE	Amount
CUAA	USTAR Administration	8	\$ 1,012,000
CVAA	USTAR University Research Teams		18,518,900
CYAA	USTAR Technology Outreach and Innovation	13	3,216,300
<b>Grand Total</b>			
		<b>21</b>	<b>\$ 22,747,200</b>

Appropriation by Program

Line Item	Line Item Name	Appr	Appropriated Program Name	Amount
CUAA	USTAR Administration			\$ 1,012,000
		CUA	USTAR Administration	1,012,000
CVAA	University Research Teams			\$ 18,518,900
		CVA	USTAR UU Alternative Energy Ctr	1,005,100
		CVB	USTAR UU Biomed Device	426,400
		CVC	USTAR UU Circuits of the Brain	367,000
		CVD	USTAR UU Diagnostic Imaging	64,600
		CVE	USTAR UU Digital Media	489,100
		CVF	USTAR UU Fossil Energy	678,900
		CVG	USTAR UU Health Sciences	2,627,400
		CVH	USTAR UU Imaging Technology	933,100
		CVI	USTAR UU Micro Nano/Nanoscale	360,700
		CVJ	USTAR UU Nanotechnology Biosensors	263,800
		CVK	USTAR UU Wireless Nanosystems	1,101,100
		CVL	USTAR UU Equipment and Other	1,700,000
		CVM	USTAR UU Nanoscale & Bio Photonic Imaging	772,200
		CVN	USTAR UU Commercialization Initiatives	321,900
		CXA	USTAR USU App Nutrition Res	135,000
		CXB	USTAR USU Syn Bio Mnfgr Inst	2,371,700
		CXC	USTAR USU Vet Diag & Infect Disease	2,063,600
		CXD	USTAR USU UT Adv Transp Inst	1,148,800
		CXE	USTAR USU Energy Initiative	598,500
		CXF	USTAR USU Equipment and Other	510,000
		CXG	USTAR USU Commercialization Initiatives	580,000
CYAA	USTAR Technology Outreach and Innovation			\$ 3,216,300
		CYC	USTAR SBIR and STTR Resource Center	333,900
		CYD	USTAR BioInnovations Gateway	162,300
		CYG	USTAR Projects	749,800
		CYH	USTAR South	400,300
		CYI	USTAR Central	383,400
		CYJ	USTAR North	616,200
		CYK	USTAR East	570,400
<b>Grand Total</b>				<b>\$ 22,747,200</b>

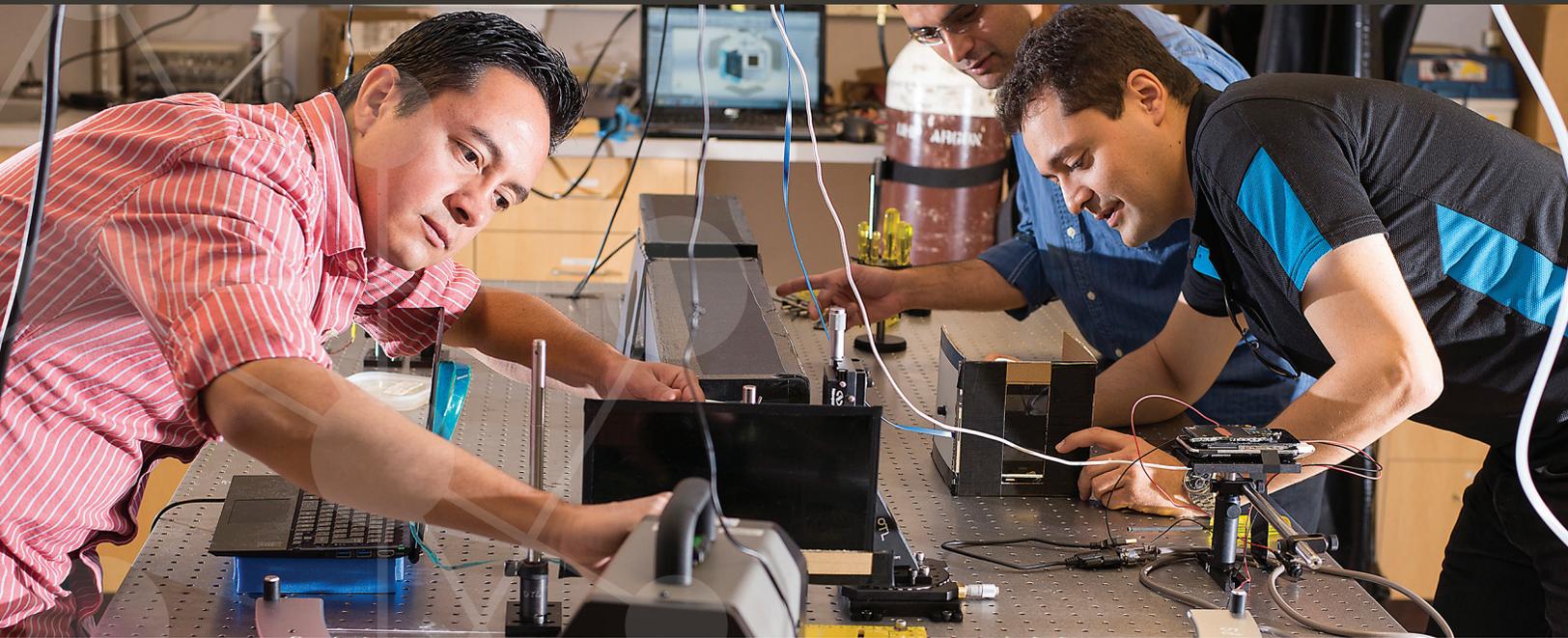
USTAR  
Post SB 166 Appropriation  
Fiscal Year 2017

Appropriation by Line Item

Line Item	Line Item Name	FTE	Amount
CUAA	USTAR Project Management & Compliance	12	\$ 2,332,200
CVBA	USTAR Research Capacity Building		6,518,900
CWBA	USTAR Grant Programs		10,600,000
CXBA	USTAR Support Programs	9	3,296,100
<b>Grand Total</b>			
		<b>21</b>	<b>\$ 22,747,200</b>

Appropriation by Program

Line Item	Line Item Name	Appr	Appropriated Program Name	Amount
CUAA	USTAR Project Management & Compliance			\$ 2,332,200
		CUA	USTAR Administration	1,012,000
		CUB	USTAR Project Management & Compliance	1,320,200
CVBA	USTAR Research Capacity Building			\$ 6,518,900
		CVP	USTAR U of U Legacy Salary	3,880,000
		CVQ	USTAR U of U Legacy Support	120,000
		CVR	USTAR U of U Startup, Carry Over, Commercialization	-
		CVS	USTAR U of U Start Up	1,118,900
		CVT	USTAR USU Legacy Salary	1,095,000
		CVU	USTAR USU Legacy Support	305,000
		CVV	USTAR USU Startup, Carry Over, Commercialization	-
CWBA	USTAR Grant Programs			\$ 10,600,000
		CWA	USTAR University Technology Acceleration Grant	3,000,000
		CWB	USTAR Science and Technology Initiation Grants	200,000
		CWC	USTAR Industry Partnership Program	2,500,000
		CWD	USTAR Technology Acceleration Program	4,500,000
		CWE	N/A	-
		CFW	USTAR Energy Research Triangle (ERT)	400,000
CXBA	USTAR Support Programs			\$ 3,296,100
		CXJ	USTAR SBIR/STTR Assistance Center (SSAC)	333,900
		CKK	USTAR Regional Outreach	783,700
		CXL	USTAR Incubation Programs	2,178,500
<b>Grand Total</b>				<b>\$ 22,747,200</b>



The Utah Science Technology and Research Initiative (USTAR) was established in 2006 through the leadership of the Utah Legislature and the Governor to leverage science and technology innovation to diversify Utah's knowledge economy. USTAR provides a diverse portfolio of services to catalyze ideas into new products and businesses. USTAR enhanced the capacity of the State's research universities through faculty recruitments in the areas of Life Science, Renewable and Traditional Energy, Nano and Microelectronics and Big Data. USTAR provides unique research and development core facilities and tools for public and private sector use. USTAR provides early stage funding for start-up companies and university researchers through competitive grant programs and the regional outreach program provides mentoring, networking and prototyping services.

**UTAH VISION** Utah will lead the nation as the best performing economy, and be recognized as a premier global destination.

**USTAR VISION** Build a robust innovation ecosystem in the State of Utah.

**MISSION** USTAR's mission is to accelerate the commercialization of science and technology ideas generated from the private sector, entrepreneurial and university researchers in order to positively elevate tax revenue, employment and corporate retention in the State of Utah

#### **KEY USTAR TASKS**

1. Support technology entrepreneurs and Innovators through training, funding, incubator and accelerator programs
2. Broker technology transfer by connecting capital, management and industry
3. Address market gaps in Utah's technology ecosystem
4. Strengthen USTAR's research capacity.

## **RESEARCHERS**

USTAR recruited 50 world-class researchers to expand the research capacity of the State. A source of new ideas that will contribute to new technologies that over time will result in business growth, higher paying jobs, an expanded tax base and a healthy economic future for the state of Utah. The researchers recruited and funded by USTAR align to important industry clusters in the state in the areas of Energy, Life Sciences, Micro/Nano Systems and Big Data.

## **CORE FACILITIES**

USTAR has invested in two state-of-the-art research buildings to provide research space, core facilities and specialized equipment to public and private researchers. These facilities are available to university researchers and can also be used on a fee-for-service basis by commercial partners where other commercial opportunities are not available. This expands the economic development impact of the USTAR investment.

The U of U's James L Sorenson Molecular Biotechnology Building is the centerpiece of a visionary plan to accelerate research, development and commercialization at the interface of medicine, nanotechnology, engineering, and pharmacology. It includes a state-of-the-art nanofabrication facility with cleanroom space, a bio-bay and a microscopy and materials characterization suite.

USU's BioInnovations Center provides lab space in support life-sciences, synthetic bio-manufacturing, advanced human nutrition and veterinary diagnostics and infectious disease. The state-of-the-art facility also houses a Bio Safety Level 3+ lab. USU has also added a Biomanufacturing facility to enable industrial scale production of synthetic biology products. Both are positioned for industry collaboration, positioned for industry collaboration.

# USTAR TECHNOLOGY ENTREPRENEURSHIP SERVICES

USTAR supports the pipeline of innovative technology ideas to establish new products and companies across the state. USTAR's services provide resources at every step of the development pathway for university researchers and technology entrepreneurs.

## OUTREACH OFFICES

### USTAR NORTH

New Location  
Coming Soon  
385.226.8457

### USTAR EAST

423 Wakara Way, Ste 300  
SLC, Utah 84108  
801.585.9690

### USTAR CENTRAL

815 W. 1250 South  
Orem, Utah 84058  
385.335.5300

### USTAR SOUTH

35 N Main Street,  
St. George, Utah 84770  
435.216.8364

### BIOINNOVATIONS

**GATEWAY**  
2500 S State St Rm. 224  
So. Salt Lake, Utah 84115  
385.646.4625



## TECHNOLOGY ACCELERATION PROGRAM (TAP)

TAP provides funding to Utah-based science and technology startups and early stage companies to accelerate the development of new technologies in key technology industries in the state.



## INDUSTRY PARTNERSHIP PROGRAM (IPP)

Promotes the development of technology to address technical gaps or challenges identified by industry partners. USTAR identifies research expertise from Utah's institutions of higher education to address identified gaps by Utah companies. The program is open to companies that have a substantial presence in Utah.



## SBIR-STTR ASSISTANCE CENTER

Assists entrepreneurs and startup companies in preparing and submitting SBIR-STTR applications. The SBIR and STTR programs offer more than \$2.5 billion dollars in federal funding annually. The Assistance Center helps technology oriented businesses gain access to this non-dilutive capital.



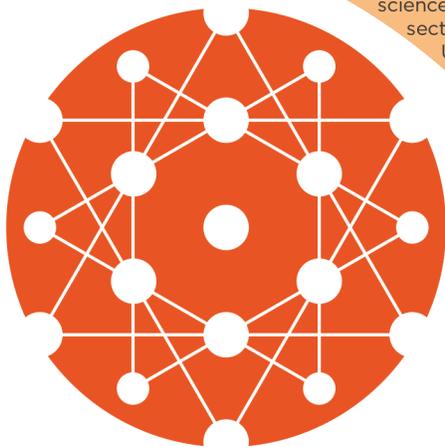
## TECH INCUBATORS

USTAR manages two tech incubators to assist start-up companies in maturing and commercializing their technology by providing access to specialized equipment to serve life science and aerospace/defense technology sectors. USTAR also supports access to the Utah NanoFab and USU Synthetic Bio-Manufacturing Facility. USTAR focuses on providing support to early stage startups in developing their minimum viable product, proof of concept, prototyping, and product validation.



## UNIVERSITY TECHNOLOGY ACCELERATION GRANT (UTAG)

Support research, discovery and innovation through competitive funding of individual researchers or ad-hoc teams at Utah colleges and universities. The R&D grants provide funding to accelerate science and technology development of commercially oriented technologies. Funded projects will have an identified market and/or commercialization path.



## REGIONAL OFFICES

USTAR's Regional Outreach offices work with tech entrepreneurs to connect them with resources for developing their technology and growing their businesses. The centers are strategically located across the state to provide access to all communities. They work closely with partners at all regional universities, as well as local entrepreneurs, businesses and other resources. The regional outreach offices connect private investors to promising opportunities and maximize the economic impact of new technologies created in Utah.



## SCIENCE & TECHNOLOGY INITIATION GRANTS (STIG)

With the goal of increasing external research dollars to Utah's universities, STIG provides funding to researchers to support development of data, conduct proof of concept or other precursor research activities required to pursue larger, commercially-oriented grants from a federal agency, grant making foundation or industry.

### SBIR-STTR

#### ASSISTANCE CENTER

SLCC - Miller Campus  
Corp Partnership Center  
9750 So. 300 W. Ste 214  
Sandy, Utah 84070  
801.597.5239

**ustar.org**

801.538.8622

ustarinfo@utah.gov

# USTAR

UTAH'S TECHNOLOGY CATALYST