



## Technology Validation and Start-Up Fund (TVSF) Program Overview

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## Program Purpose

Help transition technology from Ohio research institutions into the marketplace through Ohio start-up companies

### Two ways to engage the program

Phase 1: Validation Projects (Institutional Funds)

Phase 2: Start-up Funds



## Applicants

### Lead Applicants –Phase 1

- Ohio institution of higher education, or an Ohio not-for-profit research institution with sufficient internal deal flow to support a multitude of projects. Awards range from \$200,000-\$500,000 with 1:1 cash cost share.

### Lead Applicant-Phase 2

- Ohio start-ups and young companies that are a prospective licensee of a technology from an Ohio institution. Up to \$100,000 (or \$150,000 if in biomedical technology) as initial capitalization with no cost share.



## Phase 1 Validation Projects

- Institutions may apply to TVSF to create a pool of funds that represents a strategic decision by the institution to implement an OTF-supported process to select and advance its technologies towards commercialization
- Lead Applicant must be the Institution that owns the IP
- Awards are \$200,000-\$500,000
- Award must be matched 1:1 by cash cost share from the institution
- End Goal: Licenses with startups



## Phase 2: Start-up Funds

- **Eligible Project:** Ohio start-ups and young companies seeking to license and commercialize technologies from Ohio institutions.
- Awards are up to \$100,000 (or \$150,000 for projects related to Biomedical technology)
- No Cost Share requirements, but use of OTF funds restricted to only supplies, equipment, and purchased services
- Project End Goal: Capital Raise/ Market Entry/other meaningful step



## Company Spotlight



# OTF TVSF – Round 19 Evaluator Report

25 APR 2019

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## Overview – Round 19

- 10 of 23 proposals submitted this round are recommended for approval.
- Total grant dollars recommended is \$2,250,000.

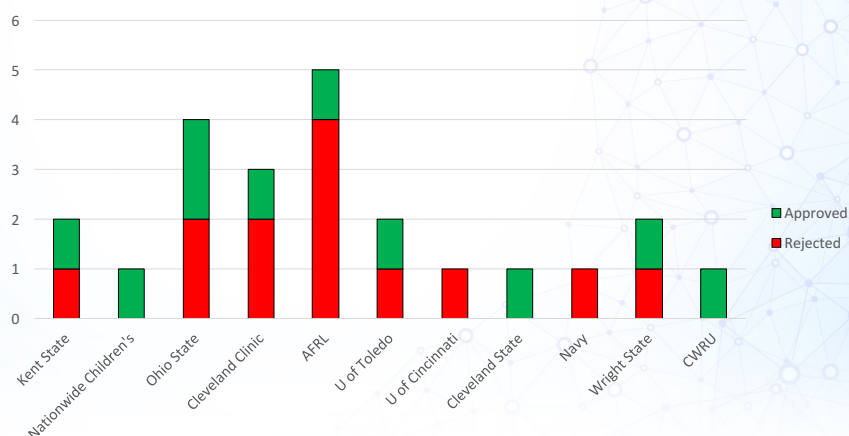
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Round	Approval Rate	\$\$ Recommended
1 (APR 2012)	35%	\$950,000
2 (AUG 2012)	52%	\$900,000
3 (DEC 2012)	44%	\$610,000
4 (JUN 2013)	30%	\$864,000
5 (FEB 2014)	46%	\$1,462,000
6 (JUN 2014)	39%	\$998,000
7 (OCT 2014)	57%	\$1,100,000
8 (FEB 2015)	37%	\$710,000
9 (JUN 2015)	31%	\$550,000
10 (DEC 2015)	38%	\$925,000
11 (APR 2016)	46%	\$1,239,000
12 (OCT 2016)	46%	\$3,537,269
13 (MAR 2017)	38%	\$1,567,500
14 (SEP 2017)	27%	\$498,832
15 (DEC 2017)	38%	\$2,250,000
16 (MAR 2018)	52%	\$2,098,600
17 (SEP 2018)	42%	\$2,100,000
18 (DEC 2018)	35%	\$1,150,000
19 (APR 2019)	43%	\$2,250,000
Overall		\$25,760,201
Average	41%	\$1,355,800

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### Round 19 Results – Applications by Institution



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## Phase 1 Proposals Recommended for Funding

Proposal #	Lead Applicant	Title	State Funds Requested	Total Budget	Recommend
<b>19-0436</b>	<b>Cleveland Clinic Foundation</b>	Cleveland Clinic Technology Validation and Start-up Fund III (TVSF-CC)	<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$500,000</b>



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## Phase 1 Proposals Recommended for Funding Cont.

Proposal #	Lead Applicant	Title	State Funds Requested	Total Budget	Recommend
<b>19-0437</b>	<b>Kent State</b>	CSU & KSU Technology Validation and Start-up Fund- the TeCK Fund	<b>\$300,000</b>	<b>\$600,000</b>	<b>\$300,000</b>

KENT STATE  
UNIVERSITY



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## Phase 1 Proposals Recommended for Funding Cont.

Proposal #	Lead Applicant	Title	State Funds Requested	Total Budget	Recommend
<b>19-0438</b>	<b>RINCH</b>	Nationwide Children's Hospital TVSF Phase 1	<b>\$200,000</b>	<b>\$400,000</b>	<b>\$200,000</b>



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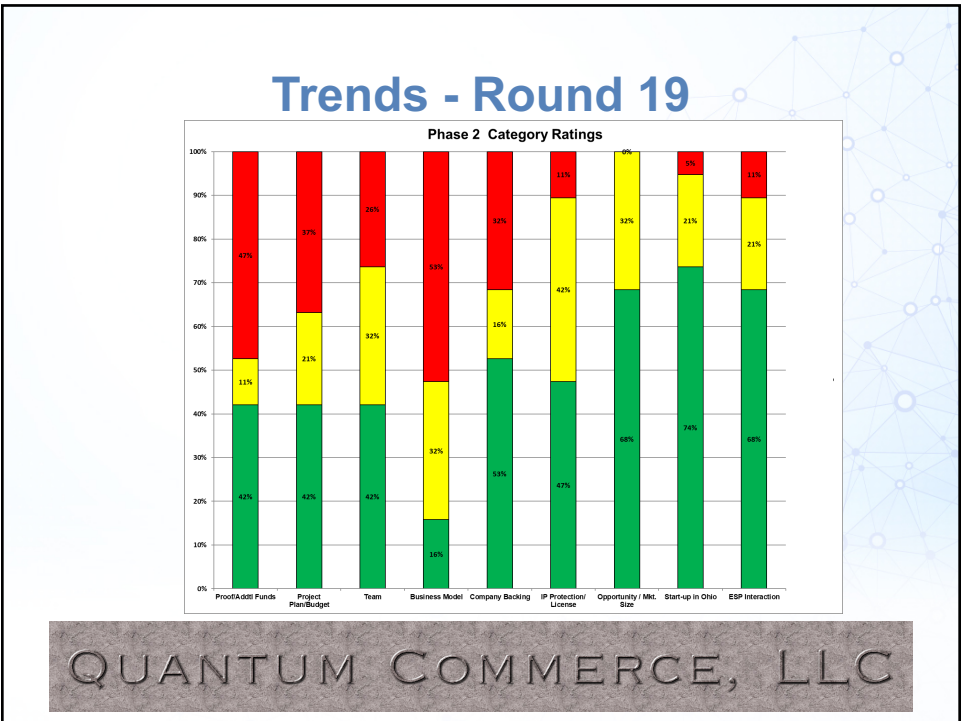
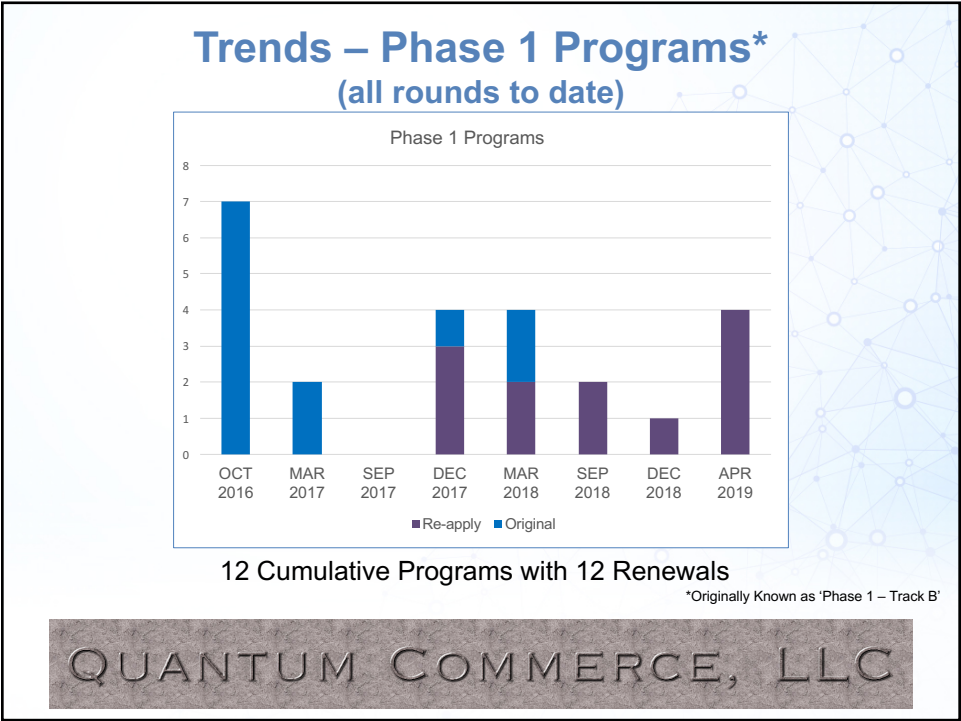
## Phase 1 Proposals Recommended for Funding Cont.

Proposal #	Lead Applicant	Title	State Funds Requested	Total Budget	Recommend
<b>19-0439</b>	<b>OSU</b>	Accelerator Awards	<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$500,000</b>



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## Phase 2 Proposals Recommended for Funding

PROPOSAL #	Licensing Institution	Lead Applicant	PROJECT TITLE	Recommended
<b>19-0441</b>	Wright State University	<b>Endo Guidance Technologies LLC</b>	EndoGPS	<b>\$150,000</b>
<b>19-0442</b>	The Ohio State University	<b>Mobikit, Inc.</b>	Mobikit: Data Platform for Mobility	<b>\$100,000</b>

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## Phase 2 Proposals Recommended for Funding Cont.

PROPOSAL #	Licensing Institution	Lead Applicant	PROJECT TITLE	Recommended
<b>19-0446</b>	University of Toledo	<b>Retractor, LLC</b>	A minimally invasive rectal retractor for pelvic tumors radiation therapy	<b>\$150,000</b>
<b>19-0447</b>	Air Force Research Laboratory	<b>Strong Plastics, LLC</b>	Strong Load-Bearing Plastics	<b>\$100,000</b>

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## Phase 2 Proposals Recommended for Funding Cont.

PROPOSAL #	Licensing Institution	Lead Applicant	PROJECT TITLE	Recommended
<b>19-0450</b>	Cleveland State University	<b>Bioprinting Laboratories, Inc.</b>	Commercialization of a 384-pillar plate for miniature tissue culture	<b>\$150,000</b>
<b>19-0460</b>	Case Western Reserve University	<b>RoadPrintz LLC</b>	Development of a Robust Mobile Robotic Painting System	<b>\$100,000</b>

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## Resubmission

### Phase 1

- The four Phase 1 proposals are all resubmissions/renewals.
- All are Recommended for Funding.

### Phase 2

- Five of 19 (26%) Phase 2 proposals are resubmissions.
- One of the five (20%) is Recommended for Funding.

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## Carry Through

- Four of 19 Phase 2 proposals (21%) were previous Phase 1 awardees.
- One is Recommended for Funding (25%) in this round.

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## QUESTIONS?

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**CY 2019-2021 Looking Ahead:  
Status of ESP and TVSF**

**Ohio** | Development Services Agency

**Ohio** | **Third Frontier**  
Innovation Creating Opportunity

25

## TVSF

- Evaluator RFP released
- Proposed Timeline for Rounds 20-22

Round 20	Round 21	Round 22
<ul style="list-style-type: none"><li>• <b>Written Questions:</b> May 31, 2019</li><li>• <b>Proposals:</b> June 14, 2019</li><li>• <b>Awards:</b> August 2019</li></ul>	<ul style="list-style-type: none"><li>• <b>Written Questions:</b> September 20, 2019</li><li>• <b>Proposals:</b> October 4, 2019</li><li>• <b>Awards:</b> December 2019</li></ul>	<ul style="list-style-type: none"><li>• <b>Written Questions:</b> December 20, 2019</li><li>• <b>Proposals:</b> January 3, 2020</li><li>• <b>Awards:</b> February 2020</li></ul>

- Recommend program funding to continue

**Ohio** | Development Services Agency

**Ohio** | **Third Frontier**  
Innovation Creating Opportunity

26



## ESP

Evaluator RFP in-progress

Program RFP

- Open to all prospective applicants
- Coverage for 6 regions required
- 2 years + option for year 3

Recommend program funding to continue at current level

## Ohio Third Frontier Funds

\$197 Million	Balance as of April 2019
– \$73 Million	ESP outflow for 3 years *
\$124 Million	Balance

\* Provided program funding continues at current level

## Other Business / Adjournment