



Item: AS: I-4

COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS

Tuesday, April 20, 2021

SUBJECT: REPORT ON RESEARCH

PROPOSED COMMITTEE ACTION

No action is necessary. This item is only informational.

BACKGROUND INFORMATION

Dr. Daniel Flynn, Vice President for Research, will give a general update on the Division of Research, with a focus on opportunities for expanded federal engagement.

IMPLEMENTATION PLAN/DATE

N/A

FISCAL IMPLICATIONS

N/A

Supporting Documentation: PowerPoint Presentation

Presented by: Dr. Daniel Flynn, VP for Research

Phone: 561-297-0268

FLORIDA ATLANTIC UNIVERSITY



Your
future
awaits.

FAU Division of Research
Research Summary of years 1-5 of FAU Strategic Plan

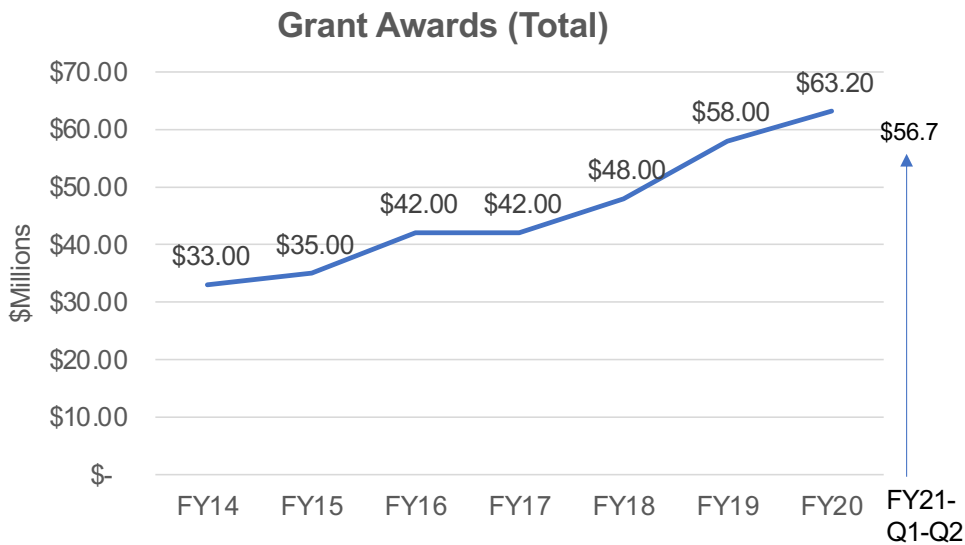


Research Summary, Years 1-5 of FAU Strategic Plan

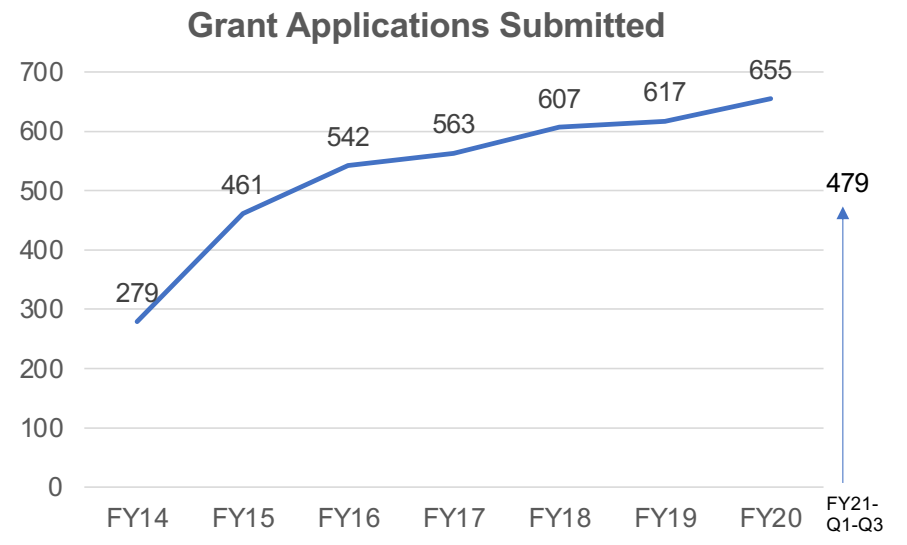
- All 4 Pillars formed,
 - All 4 executive directors recruited, 36 faculty recruited/hired.
 - Supporting Research Infrastructure developed (technology, seminars, grad students/post docs, pilot project funding, labs and facilities)
 - \$27.3M invested over 5 years, resulting in \$57.8M of new awards (ROI = 2.1)
- Federal lobbying program established
 - \$13M for food security, \$11M for national defense, \$5M for clean energy
- Overall FAU increased research activity (2020 vs 2015):
 - Grant applications - up 1.4x
 - Awards – up 1.9x
 - Expenditures – up 2.2x
 - F&A – up 2x
 - Scholarly Publications – up 1.3x



Research Awards and Proposal – through Q2 FY21



Q1-Q3 for FY20 was \$46.4M

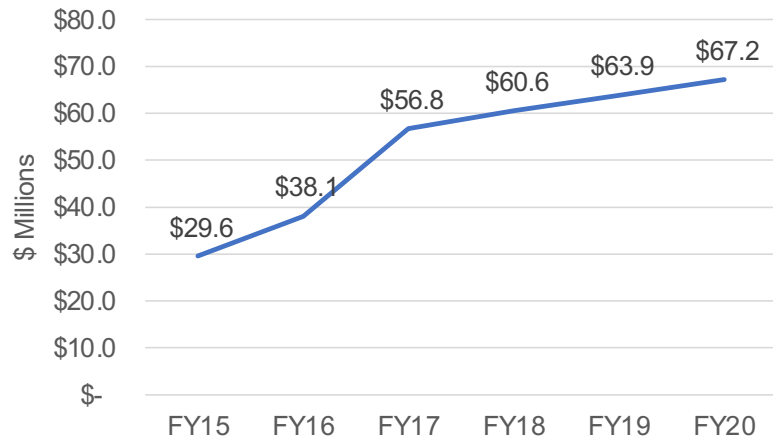


Q1-Q3 for FY20 was 477



Research Expenditures

Total Research Expenditures



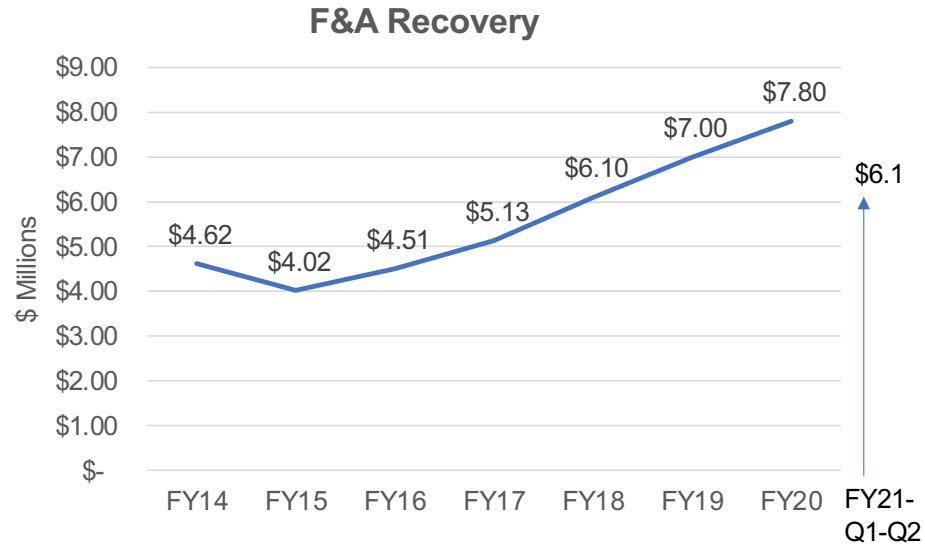
NSF HERD (STEM) Research Expenditures



Fiscal Year Cumulative Comparison as of March					
Type of Sponsored	FYE 2017	FYE 2018	FYE 2019	FYE 2020	FYE 2021
Sponsored Direct	20,291,401.32	22,567,589.53	25,267,991.22	28,749,261.89	30,623,968.05
Sponsored Indirect / F&A	3,257,918.67	4,195,387.30	4,777,527.18	5,331,220.43	6,134,581.69
Total Sponsored	23,549,319.99	26,762,976.83	30,045,518.40	34,080,482.32	36,758,549.74
		12%	11%	12%	7%



F&A recovery have increased



Q1-Q3 F&A recovery was \$5.3M

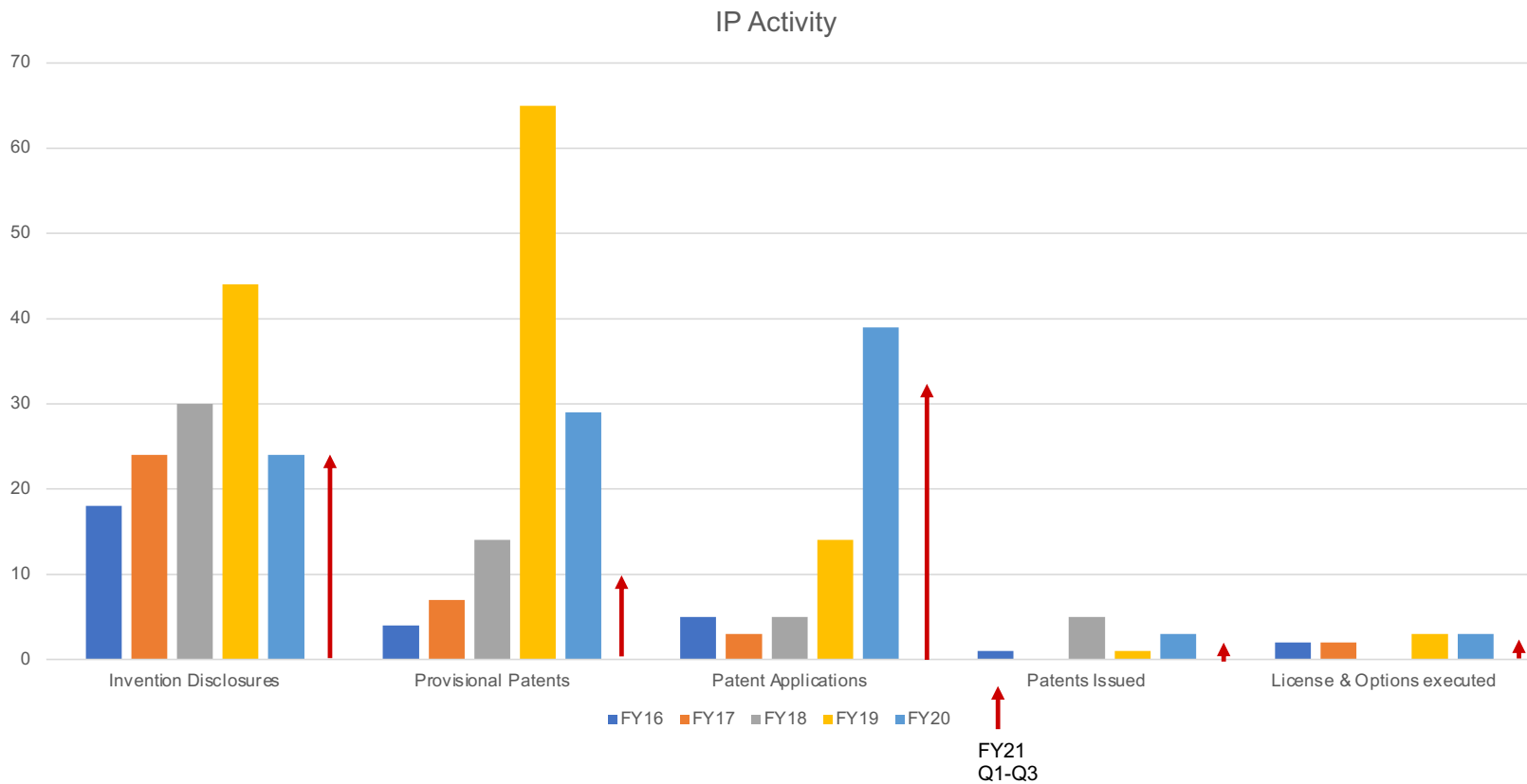


Excel spreadsheet – ROI for Pillars

- Bring up Spreadsheet, here



Intellectual Property





FAU WAVE – Student Entrepreneurship





Federal Lobbying – Major Areas of Opportunity

- Cyclical - Meetings with Congressional staff held every 3 months
 - Oct/Nov - Submit language for requests
 - Feb/Mar – Defend language in Committee/markup
 - April/May – determine if requests made it into proposed legislation
 - Oct – projects approved, await agency RFP's, compete for funding
- Successful engagements
 - National Defense, \$11M
 - Food Security, \$13M
 - Clean Energy, \$5M
- Current requests
 - Plus up for clean energy
 - HABs and human health
 - Emergency Management (Mesonet)
 - AI and Data Science



Project #3 - Jupiter Neuroscience

- New Facility has been funded, ground broken, naming opportunity identified
- CO scheduled for March/April 2022
- Leverage partnerships with MPFI, Scripps FL, Honors College
- Leverage clinical partnerships with Memorial Health System: Neurologists, Psychiatrists, Neurosurgeons





Jupiter Research Facility - Location



- Legend:**
- FAU STEM Project
 - Future Development Opportunities
 - Existing Buildings

SITE PLAN 

FAU STEM
Site Plan





FAU STEM
East Elevation



Generator
First Floor



Second Floor



Third Floor



Legend:

- Lobby/Reception
- Break Room/Conference Room
- Research Lab
- Interaction Lobby/Collaboration Space
- Bldg Support
- Offices/Work Stations
- Vivarium



Open Lab Design – 34 benches





Research Partnership – Memorial Health System



- Memorial Health System Research Affiliation Agreement
 - FAU created Clinical Research Faculty (CRF) Appointments for MHS clinicians
 - MHS CRF can submit grants through FAU Office of Sponsored Programs
 - FAU and MHS working on a structure to work collaboratively on clinical trials
- Joint Research
 - Cancer Center of Excellence Award
 - Data Science – using MHS Epic EMR system
 - Collaborative clinical trials
 - Collaborative clinical Research
- Joint management and oversight of the collaboration
 - FAU will provide Technology Transfer services to MHS
 - Joint Biorepository
 - IRB Reciprocity

