

# Research & Innovation

*Talent - Collaboration - Impact*

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March 11, 2019



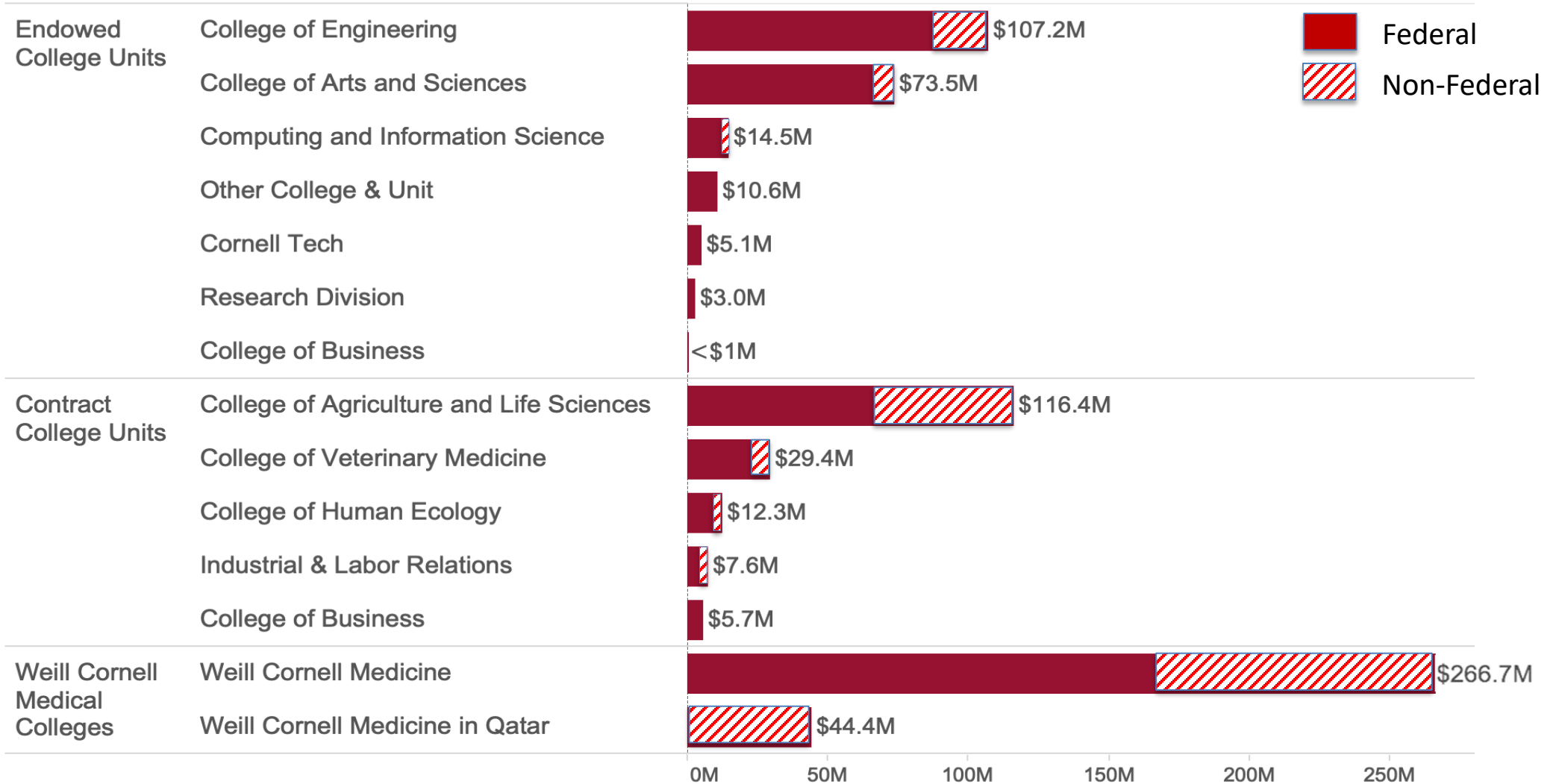


# Cornell University Research Expenditures July 1, 2017 to June 30, 2018

Total Sponsored Research  
\$696.7M

## Sponsored Research Expenditures by Principal Investigator's Unit

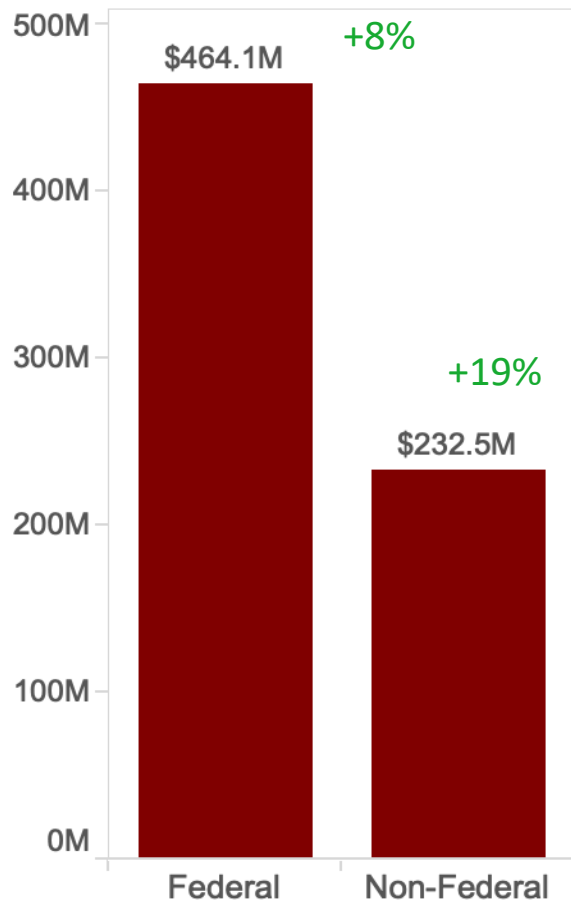
**Total Research : \$1,074 M**



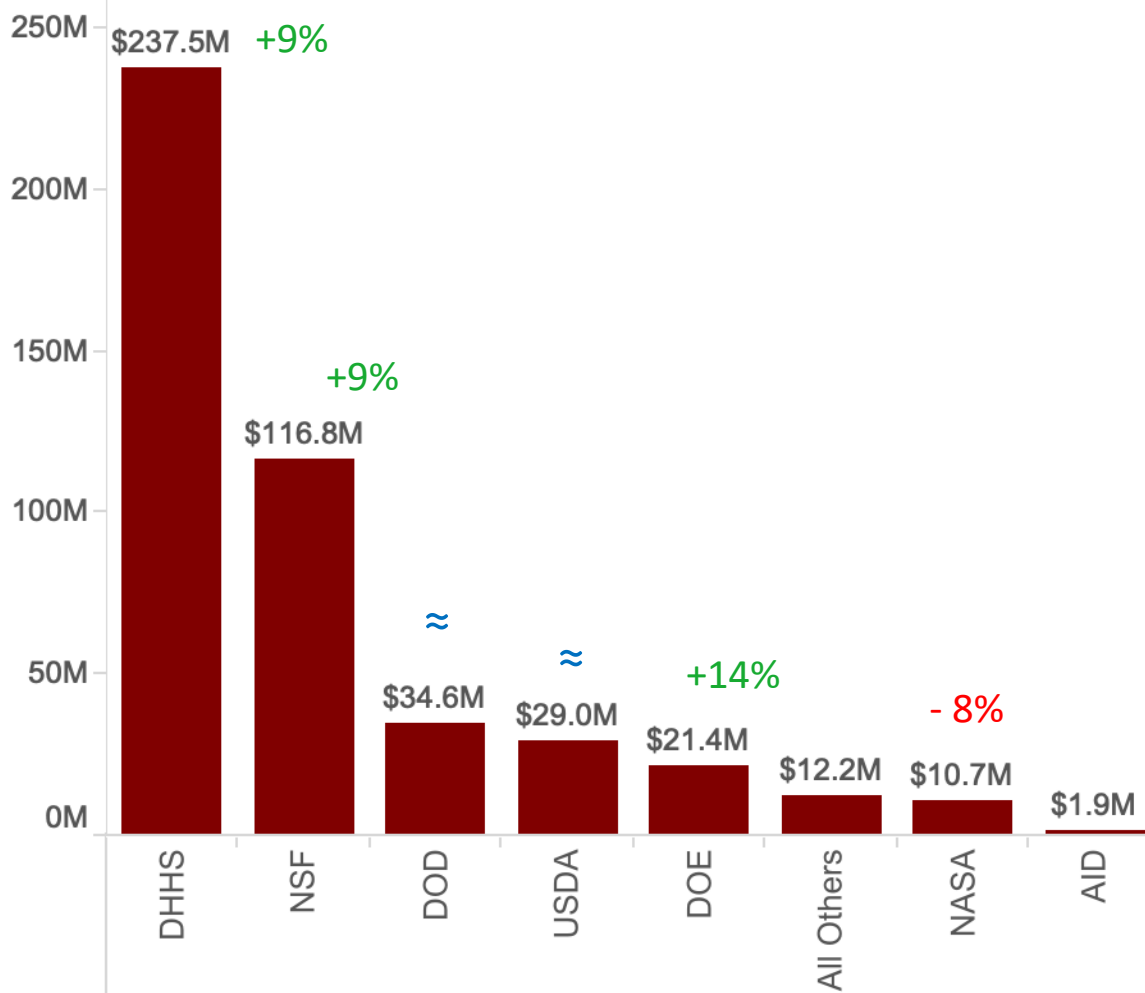


# Externally Sponsored Expenditures by Funding Source

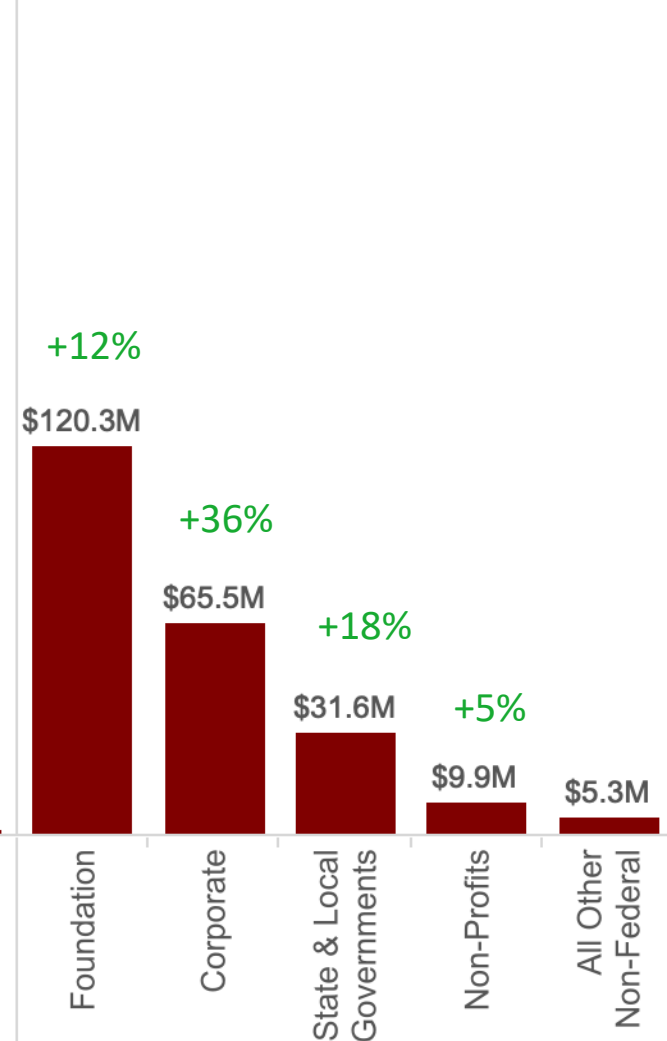
Overall



Federal

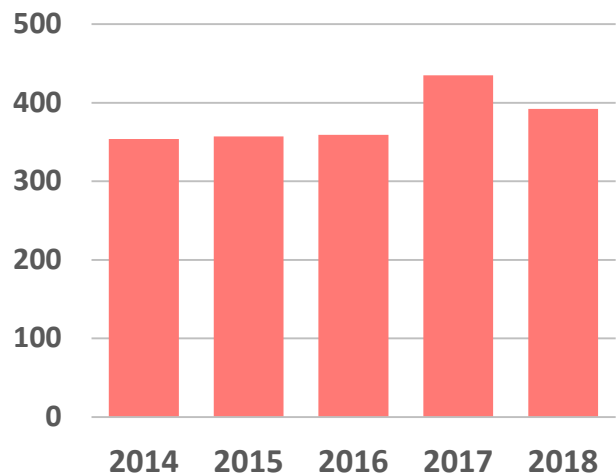


Non-Federal

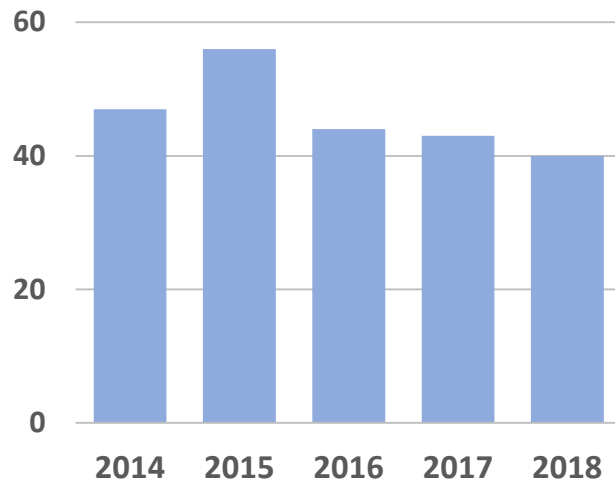




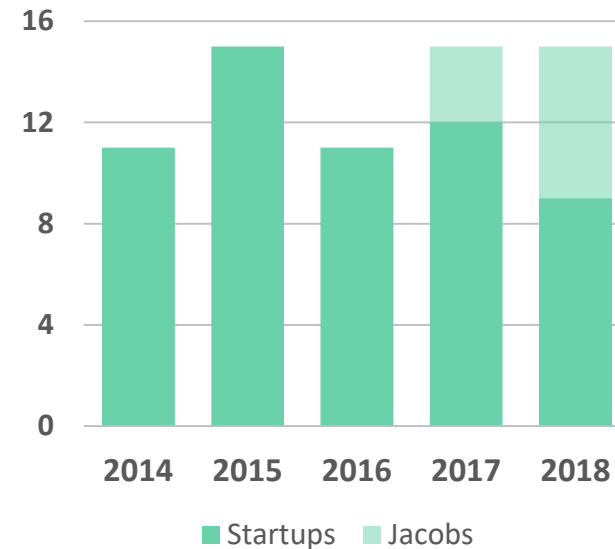
### INVENTION DISCLOSURES



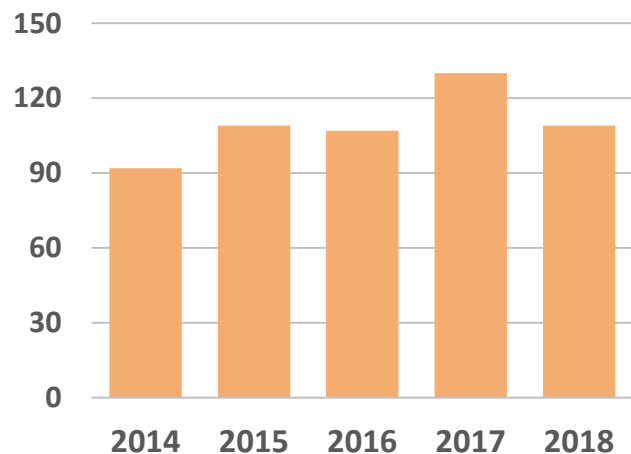
### INVENTION LICENSES



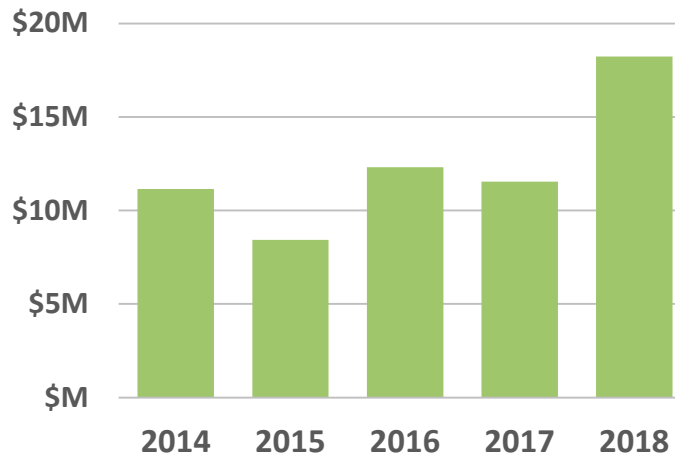
### TECHNOLOGY STARTUPS



### ISSUED US PATENTS

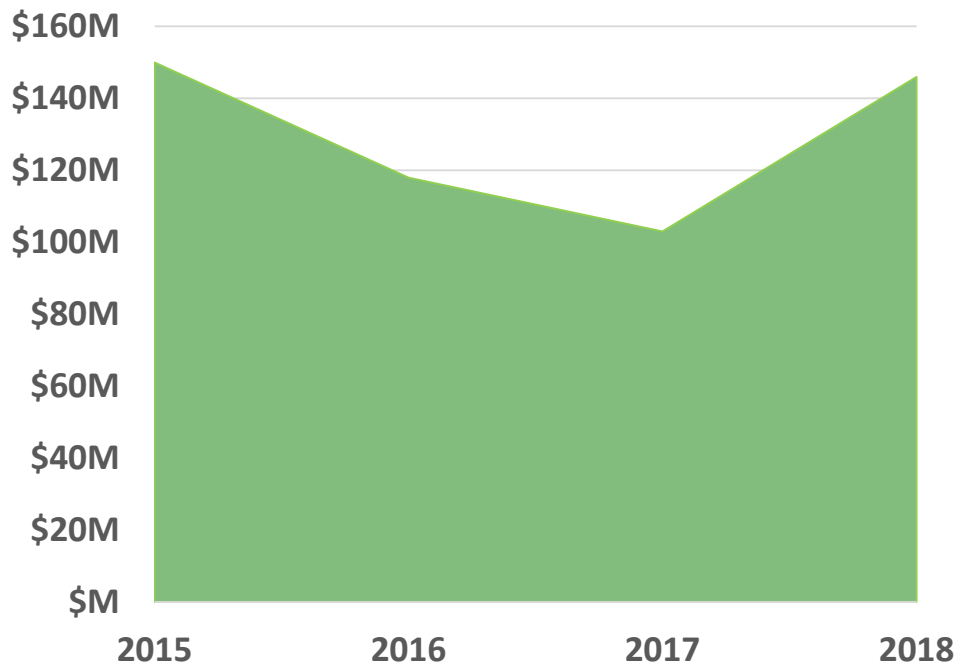


### LICENSING INCOME



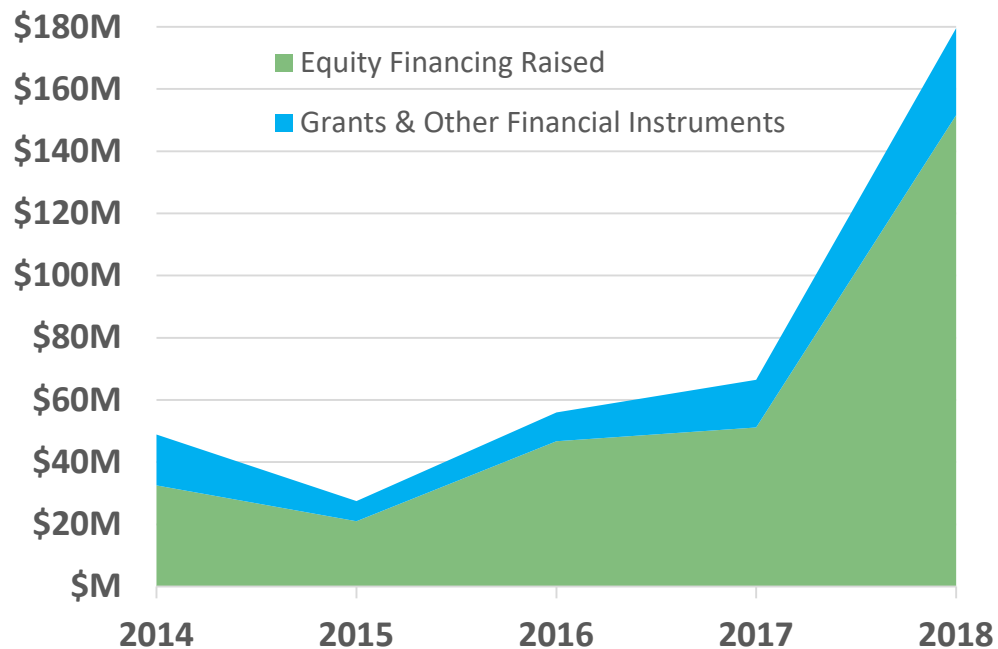


### Licensed Product Sales (Based on Royalty Reports)



Cumulative Licensed Product Sales: \$2.5 Billion

### Funds Raised by Startups w/CTL Licenses



2018 FTE in Startups w/CTL Licenses: 928  
(Survey, Reports, Public Information)



▪ **Goal: Enable Research/Tech Transfer/Entrepreneurship (*not define it*)**

- Focus on Risk Management
- Emphasis on Service and to Faculty/Students/Staff
- Celebrate/Promote Cornell Entrepreneurs (with VPUR & VPAAD)

<http://economicimpact.cornell.edu/>

▪ **Goal: Diversify Research Portfolio**

- Expand relationships & funding opportunities with federal agencies
  - *Engaged Lewis-Burke Associates LLC: renewed for 2<sup>nd</sup> year*
- Lower contractual barriers with industry
  - *Established GateWay to Partnership Program to promote corporate engagement/contracts with industry*



<https://osp.cornell.edu/Gateway/default.html>

- Set up new *Seed Funding* to catalyze new *Research Centers*
  - *Radical Collaboration Fellows Program*

▪ **Goal: Institute New BoT Committee on *Research & Innovation***

- *Committee founded and had inaugural meeting in June 2018*
- *19 members*



Nwamaka Imasogie, M.S. '16 - GitLink



Stephanie Cartin '06 – Socialfly



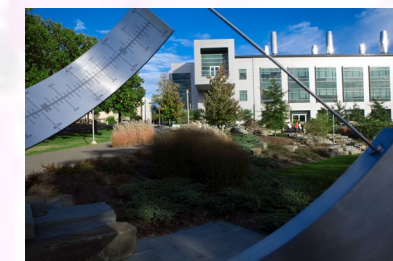
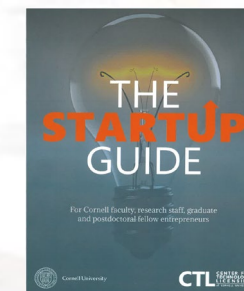
Nick Bayer '00, Saxbys

**Cornell Entrepreneurs**

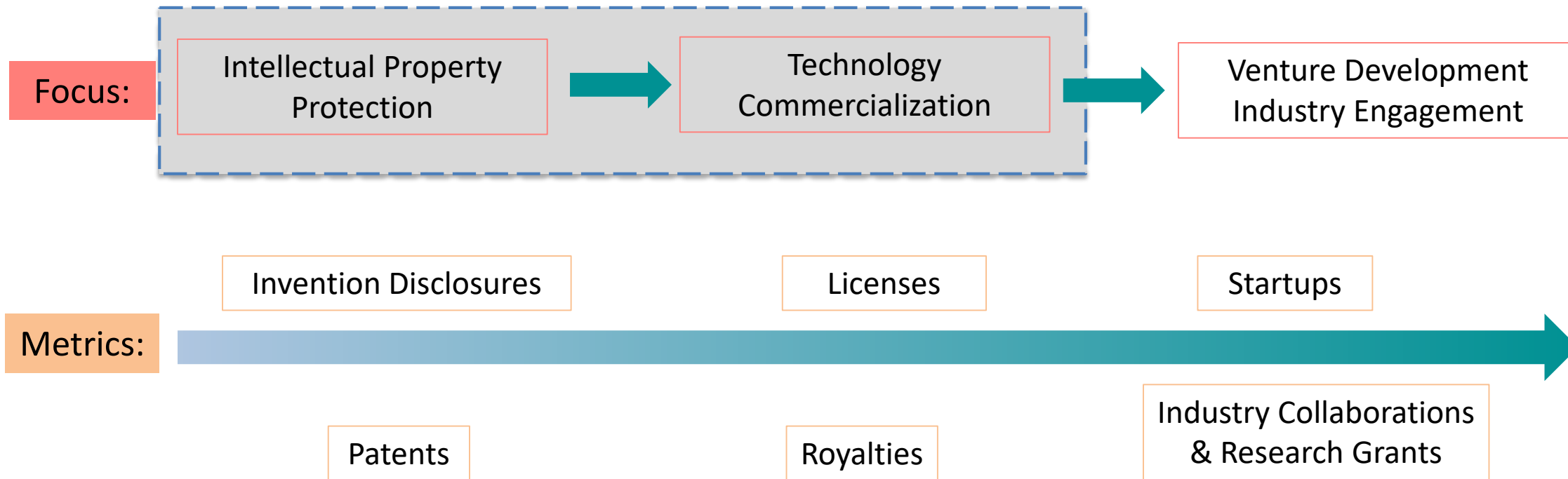


- **Goal: Foster a Culture of Innovation and Entrepreneurship**
  - Offered *FastTrack Start-up Licensing Pilot* to accelerate licensing agreements  
<https://ctl.cornell.edu/entrepreneurs/fasttrack/>
  - *Start-up Toolkit* published in September 2018 (focus on Grad Students and Postdocs)  
[https://ctl.cornell.edu/wp-content/uploads/startup\\_guide\\_web.pdf](https://ctl.cornell.edu/wp-content/uploads/startup_guide_web.pdf)
  - *IP Portfolio Review/Monetization* by Kevin Johnson '88, from Quinn Emanuel
  - New *Start-up Incubator (PRAXIS Center for Venture Development)* scheduled 3/21  
Robert Scharf, '77, Director  
<https://pcvd.cornell.edu/>

**FASTTRACK**  
STARTUP LICENSE



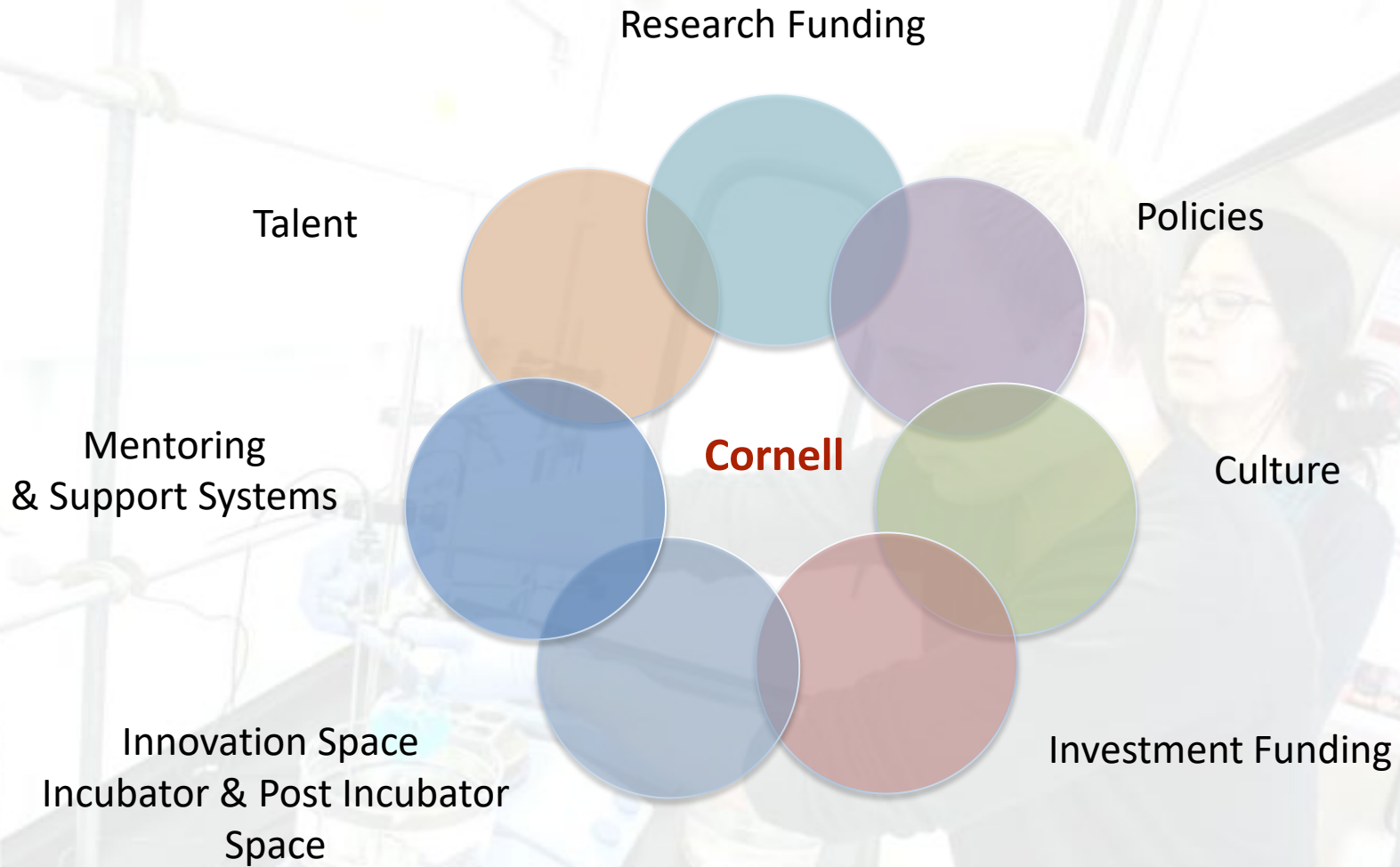
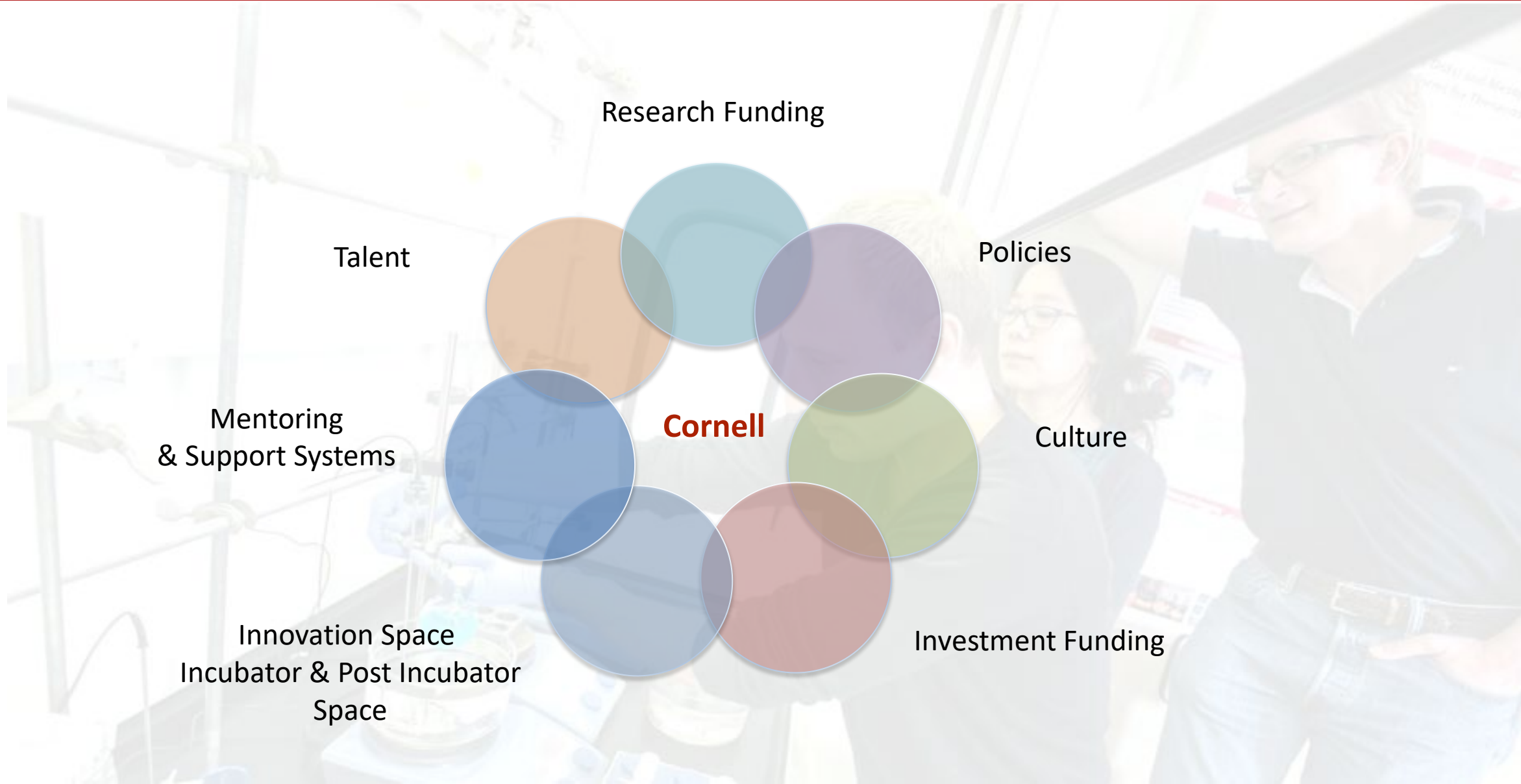
**PRAXIS CENTER**  
for Venture Development







# Innovation Ecosystem





# Connecting Education to Enterprise



Education

Research

Tech Transfer

Enterprise





**CTL** CENTER FOR TECHNOLOGY LICENSING AT CORNELL UNIVERSITY **PRAXIS CENTER** for Venture Development



Kevin M. McGovern Family Center for  
Venture Development in the Life Sciences  
Cornell University