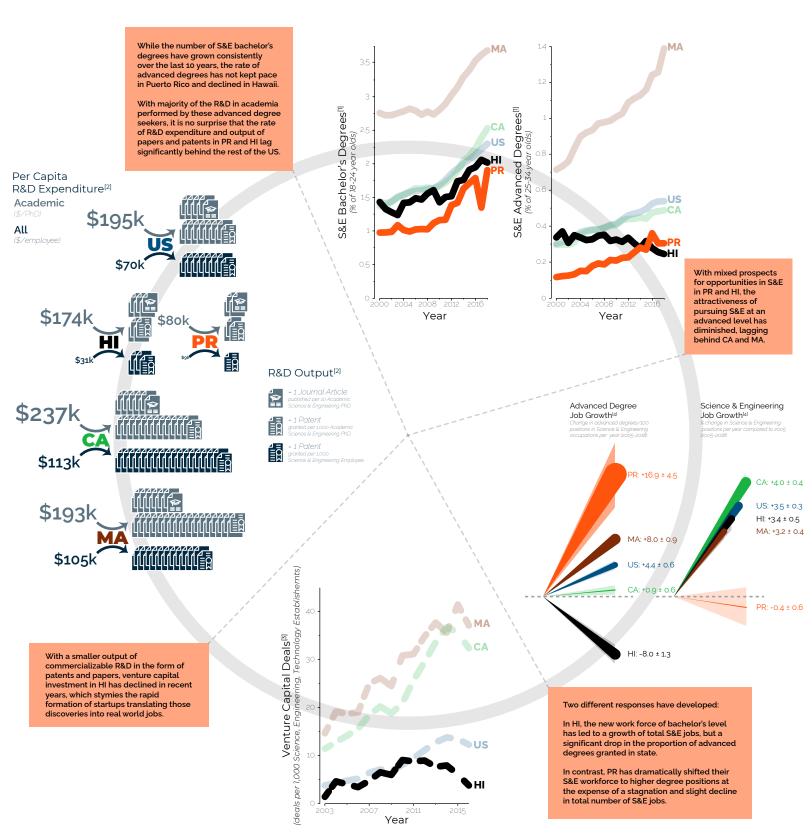
## **People+Innovation:**

## An Inventory of Human Capital in US Islands

Solving new problems requires new solutions. The cycle of innovation, particularly in biotechnology, is driven by a traditional recipe: 1) Advanced Degrees (Masters, Doctoral) in Science and Engineering (S&E) performing research in academic research institutions. 2) Publication of papers, filing of patents to share and protect discoveries and inventions. 3) Private venture capital funding of new businesses to commercialize and scale up technologies, leading to a 4) growth in R&D jobs for advanced degree holders and attractive opportunities for new generations to continue the innovation cycle. This model has found great success in leading STEM industry states such as Massachusetts and California, but are our island communities on track to follow this traditional model of innovation, or must we pursue an alternative strategy?



## Notes and Reference

All data was calculated based on the National Science Foundation (NSF) Science and

[1] Bachelor's degrees in S&E were taken from dataset S-19, Advanced degrees in S& were taken from dataset S-22 normalized by the population of 25-34 year olds fron

2] R&D expenditures for academic and all sectors were calculated with data taken from S-41, S-46.

10-year (2010-2019) averages, normalized by the values from [1].VE

[3] VC deals were compiled from dataset S-59.

[4] Growth in S&E positions were calculated from a linear regression of dataset S-32.



