

been used to improve access to clinical research resources during the start up process. RESULTS/ANTICIPATED RESULTS: Since inception in 2018, the CRSC has provided support to over 1700 studies with 437 research projects referred to a Clinical Research Specialist within the CRSC. Of those projects, 97 (22.2%) received comprehensive support from the following expert groups: regulatory guidance (n=74), biostatistics (n=68), clinical (hospital or clinic) partners (n=60), recruitment (n=36), budget development assistance (n=30), and (bio)informatics (n=27). Successful examples of synergies to streamlining study start up include shortening the window between protocol development support from Clinical Research Specialists and IRB submission preparation through to Regulatory Specialists to 3 days. DISCUSSION/SIGNIFICANCE OF FINDINGS: Providing cross-functional support to research teams through the CRSC increases the likelihood of quicker and successful execution and completion of research initiation and subsequently impacts the dissemination of that research to patients and the broader community.

### Commercialization/Entrepreneurship

27229

#### Team Science: A Two-Year Follow-Up Case Study of Rutgers' Ideation Forum

Hosen Arman<sup>1</sup>, Ziyad Razeq<sup>2</sup>, Nancy Reichmann<sup>3</sup>, Edmund Lattime<sup>4</sup> and Biju Parekkadan<sup>5</sup>

<sup>1</sup>Rutgers University Camden; <sup>2</sup>Rutgers Graduate School of Biomedical Science; <sup>3</sup>Rutgers Robert Wood Johnson Medical School; <sup>4</sup>Rutgers Cancer Institute of New Jersey; <sup>5</sup>Rutgers School of Engineering

ABSTRACT IMPACT: This study will provide important insight about effective team formation from coming up with an idea to successfully implementing that idea, as well as will highlight the implementation, evolution, and future directions of a team science initiatives. OBJECTIVES/GOALS: The goal of this study is to describe the feasibility of initiating an ideation forum to catalyze team formation, explore the process by which themes and teams are selected to participate in the forum setting, and assess the progress of participating teams post-forum through internal and external funding and other synergistic research activities. METHODS/STUDY POPULATION: Three ideation forums took place between 2018-2019 at Rutgers University, with a defined process and collection of data. The method of intervention to trigger team science, specifically the methodology employed to identify teams and produce new collaborative ideas, will first be described to show the feasibility of such an event to encourage team formation. In post-hoc analysis, we compare various success matrices of participating teams received seed funding versus teams that didn't receive any funding to assess the progress of teams in the research ideation forum incubation process. RESULTS/ANTICIPATED RESULTS: Triggering team science through ideation forums is feasible and, in fact, quite productive to creating a durable response in formed teams showing continued productivity in publications, fundraising, and other academic metrics. DISCUSSION/SIGNIFICANCE OF FINDINGS: Our case review can illuminate how academic institutions can support team science research through ideation forums. In addition, this study lays an initial foundation for improvements in ideation forum creation and new metrics that can be shared broadly to compare across other institutions.

### Dissemination and Implementation

54478

#### The NIH Reporter Database: A Wealth of Information for Developing Team Science Metrics?

Hosen Arman<sup>1</sup>, Ziyad Razeq<sup>2</sup>, Nancy Reichmann<sup>3</sup>, Edmund Lattime<sup>4</sup> and Biju Parekkadan<sup>5</sup>

<sup>1</sup>Rutgers University Camden; <sup>2</sup>Rutgers Graduate school of Biomedical Sciences; <sup>3</sup>Rutgers Robert Wood Johnson Medical School; <sup>4</sup>Rutgers Cancer Institute of New Jersey; <sup>5</sup>Rutgers School of Engineering

ABSTRACT IMPACT: As scientific research is trending towards greater interdisciplinary and collaboration in order to meet the challenges of contemporary science, which has led to increased recognition of the importance of Team Science, this study will promote team science research within NJ ACTS Consortium as well as across the country. OBJECTIVES/GOALS: The objective of this study is to assess the feasibility of using the NIH Reporter database for developing and tracking team science metrics within the CTSA-funded NJ ACTS Consortium, which consists of RU, PU, and NJIT. The NIH Reporter database provides detailed information on single-PI and multiple-PI R01 grants funded by NIH. METHODS/STUDY POPULATION: 58 multi-PI projects and 344 single-PI projects are currently funded within the NJ ACTS consortium. We will use information from the database on funding levels, institutional composition of projects (e.g., within-consortium projects vs. projects with PIs both within and outside of the consortium), numbers of publications, impact factors of publications, and funding supplements obtained to quantify and track NIH R01 Team Science activity in the consortium. RESULTS/ANTICIPATED RESULTS: Preliminary analysis suggests that it will be both feasible and efficient to use the NIH reporter database to develop Team Science metrics and to augment information in the database with information on PI characteristics such as department/center/school/university, academic discipline, and rank/tenure status, as well and detailed composition of research teams, such as the mix in terms of senior and junior scholars. DISCUSSION/SIGNIFICANCE OF FINDINGS: This study will make an important contribution to this movement by demonstrating the feasibility of using the publicly available NIH Reporter Database to quantify the level and success of Team Science in the form of single-PI and multiple-PI R01 grants funded by NIH, which represent extremely important Team Science activities at universities.

### Education/Mentoring/Professional and Career Development

15000

#### Exploring team science, professional networks, and innovation success in the THRIVE COVID-19 fellowship program

Layla Fattah, Janice Gabrilove, Holly Oemke, Joseph Borrello, Turner Baker, Kevin D. Costa, David Putrino and Anthony Costa ISMMS

ABSTRACT IMPACT: Implement and evaluate a fellowship program to foster a new generation of entrepreneurial and collaboratively-minded team scientists, equipped with the knowledge and skills to innovate technology-based solutions for COVID-19 to