



U.S. DEPARTMENT OF
ENERGY

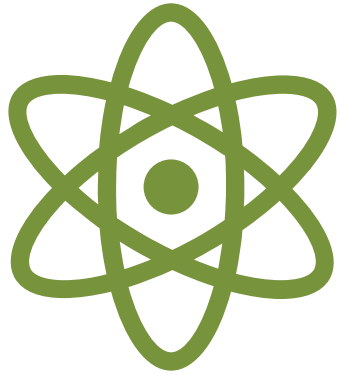
Office of
Science

SCGSR Program Q & A

March 18, 2021

SCGSR Program scope and purpose

SCGSR Program = SC Graduate Student Research Program



Optimize
Scope



Leverage
Expertise



Research
Impact



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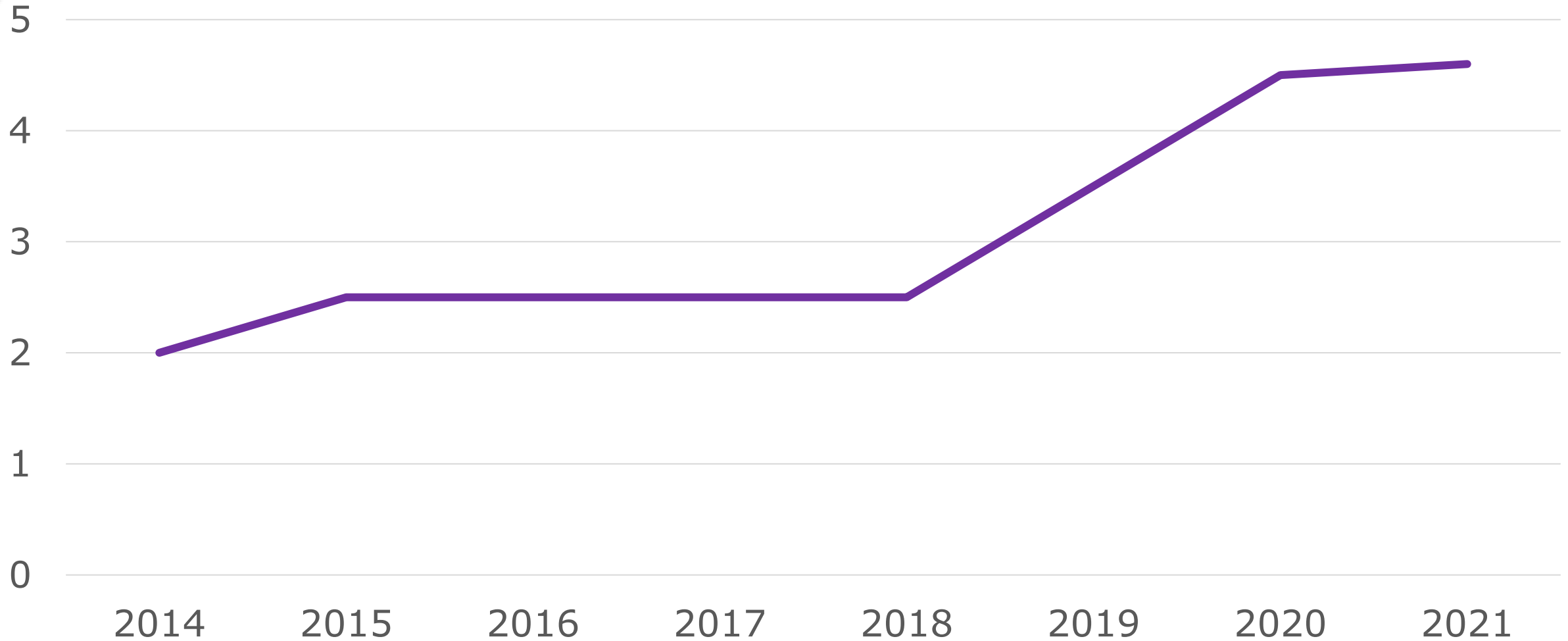
SCGSR Program: Details

The SCGSR Program provides supplemental awards to outstanding graduate students to spend 3 to 12 months conducting part of their doctoral thesis/dissertation research at a host DOE national laboratory/facility in collaboration with a DOE laboratory scientist.

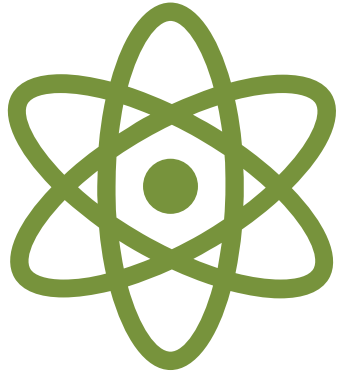
- Graduate students must apply online through the online application system.
- The application requires a research proposal and letters of support from both the graduate student's thesis advisor and the collaborating DOE laboratory scientist.
- Student's research and proposed SCGSR project must be aligned with one of the identified SCGSR priority research areas defined by the SC Program Offices and specified in the solicitation.
- Applications proposing to use an SC user facility must apply for user facility time separately.



Enacted SCGSR Funding (\$MM vs FY)



SCGSR Program for NP by the numbers



> 60 SCGSR
Awards



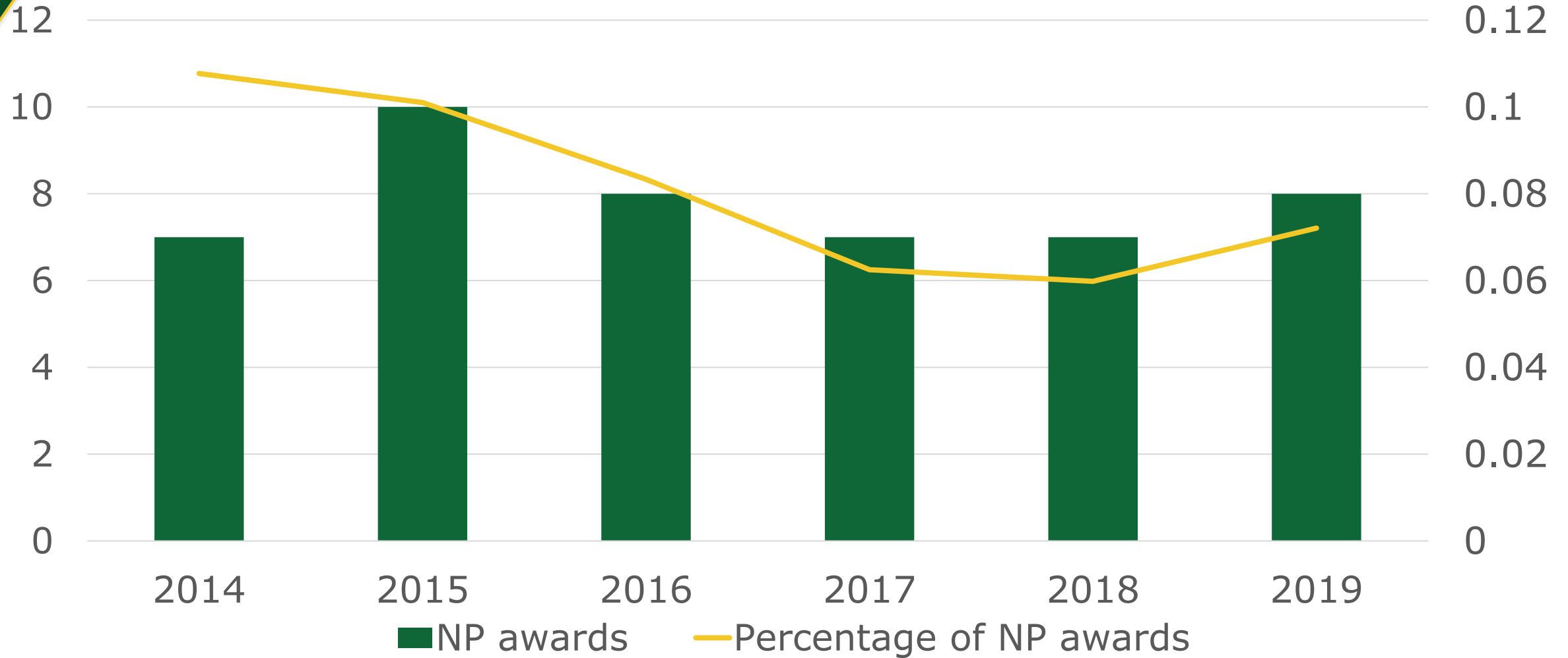
35 Universities
and 8 DOE Labs



\$1.8 MM Awarded



SCGSR Program: NP Statistics



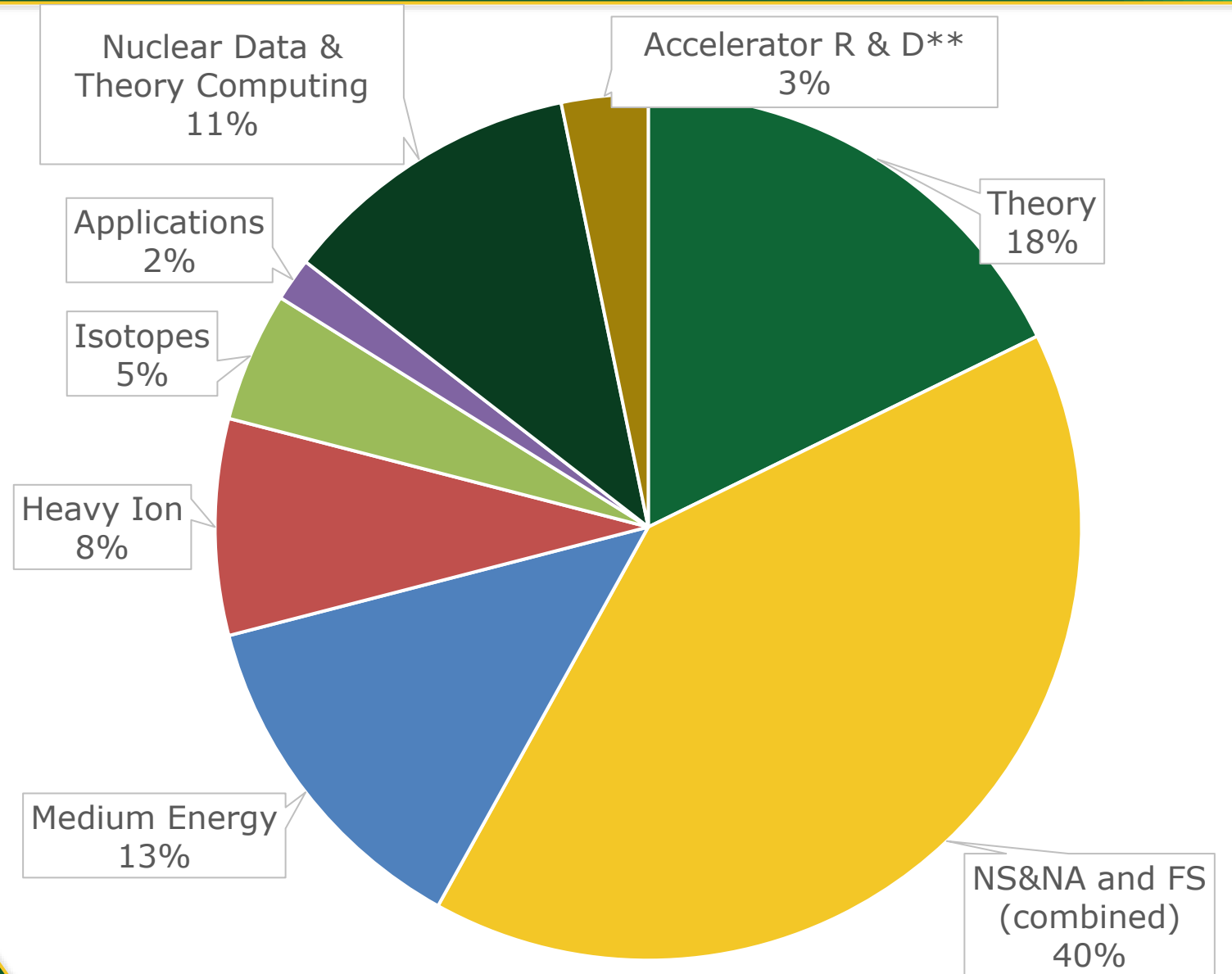
Priority Research Areas for 2021

Nuclear Physics (NP)

- (a) Medium Energy Nuclear Physics
- (b) Heavy Ion Nuclear Physics
- (c) Fundamental Symmetries
- (d) Nuclear Structure and Nuclear Astrophysics
- (e) Nuclear Theory
- (f) Nuclear Data and Nuclear Theory Computing
- (g) Accelerator Research and Development for Current and Future Nuclear Physics Facilities
- (h) Quantum Information Science for Experimental and Computational Nuclear Physics
- (i) Artificial Intelligence and Machine Learning for Nuclear Physics
- (j) Advanced Detector Technology Research and Development in Nuclear Physics



NP Awards by Program**



Priority Research Areas for 2021

Convergence Research Topical Areas

Microelectronics (ASCR, BES, HEP, and NP)

Data Science (ASCR, BES, BER, FES, HEP, and NP)

Conservation Laws and Symmetries (BES, HEP, and NP)

Accelerator Science (ASCR, BES, BER, FES, HEP, and NP)

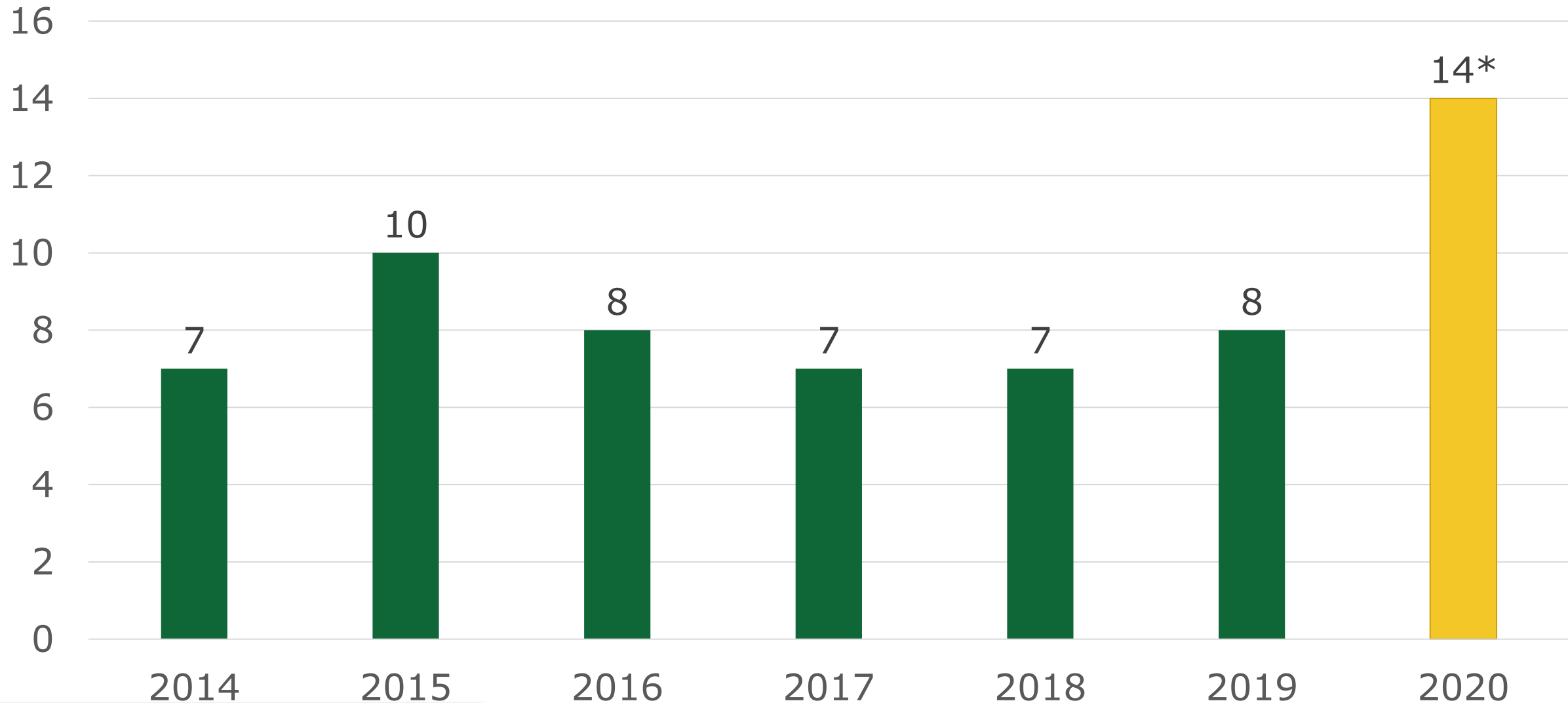
<https://science.osti.gov/wdts/scgsr/how-to-apply/priority-sc-research-areas/>



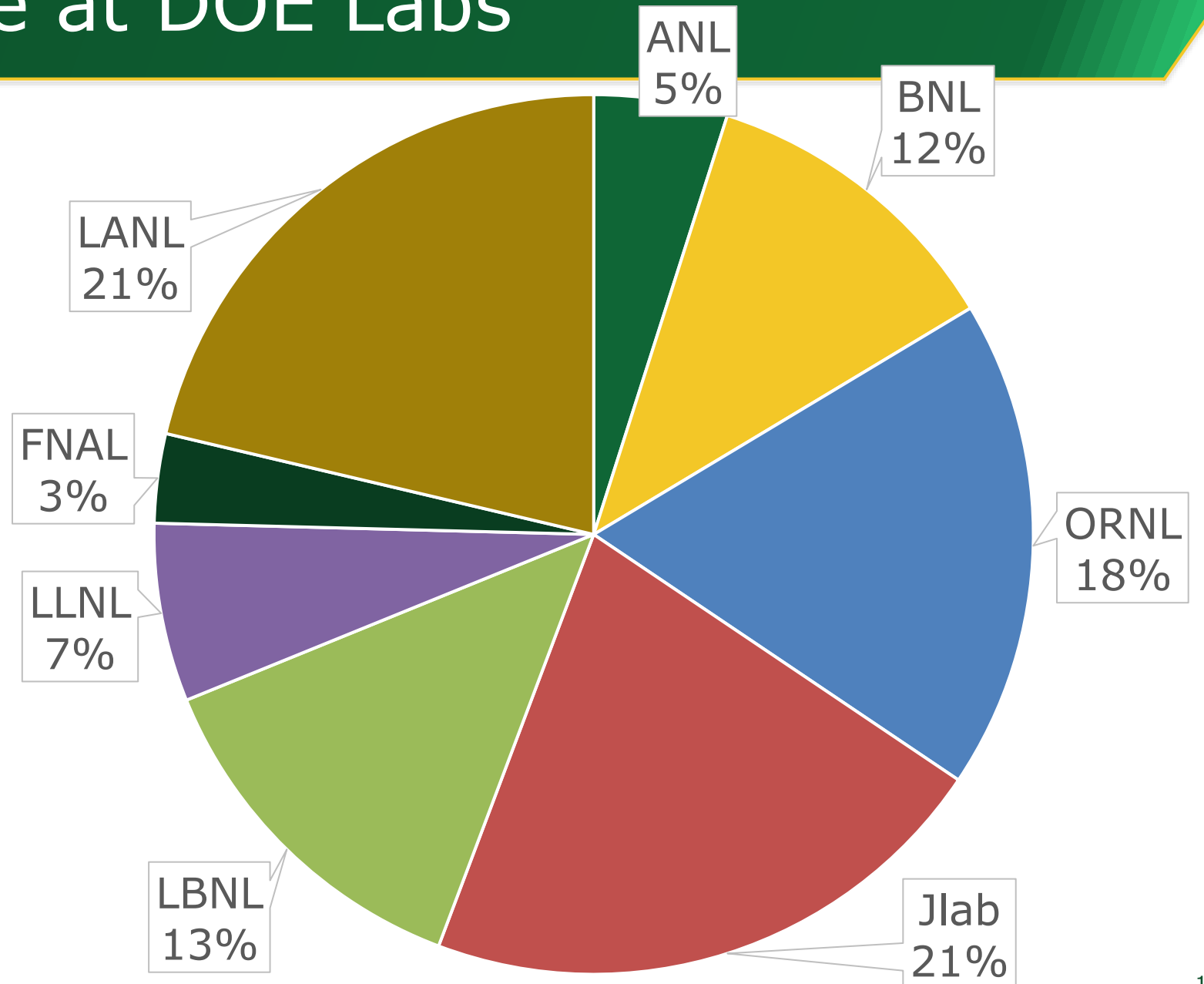
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SCGSR Program: NP Current year



NP Awards to date at DOE Labs



Acknowledgements:

George Fai, prior SCGSR NP POC

**Ping Ge, PM in WDTS, SC Graduate Student
Research Program Acting Director**

Discussion

SCGSR Program: Details

Award Benefits:

- A monthly stipend of up to \$3,000/month for general living expenses
- Reimbursement of inbound/outbound traveling expenses to/from the host DOE laboratory/facility of up to \$2,000

(Award payments are provided directly to the student)

Eligibility:

- U.S. Citizen or Lawful Permanent Resident
- Qualified graduate program & Ph.D. Candidacy
- Graduate research aligned with an SCGSR priority research area
- Establishment of a collaborating DOE laboratory scientist at the time of application

