



Neiman Institute Research Fellowship in Clinical Effectiveness and Health Policy Research

The Neiman Institute Research Fellowship in Clinical Effectiveness and Health Policy Research provides a unique opportunity for fellows and junior faculty in radiology or radiation oncology to gain experience in clinical effectiveness and health policy research. The fellowship's purpose is to foster new researchers who will contribute to our mission by providing evidence to inform health policy and radiology practice that will improve patient care and promote the effective and efficient use of health care resources.

The fellow will work closely with mentors and collaborators in the Imaging Clinical Effectiveness and Outcomes Research program that is jointly sponsored by the Neiman Health Policy Institute (NHPI) and Northwell Health. Fellows will learn and apply health services research methods focused on demonstrating the value of imaging through measured clinical and cost outcomes, as well as understanding its impact on health policy. The fellow will engage in a research project during this fellowship year and will be supported by mentors and collaborating scientists with expertise in health services research, health economics, decision sciences, operations and optimization research, data science and biostatistics. The project team will be supported by research coordinators, data analysts, and IT specialists. A data administrator and analytics support team will assist in projects using the population databases (Medicare and SHOUT – Stroke Health Outcomes).

At the end of this fellowship year, the fellow is expected to submit their research for abstract presentation at a national meeting. The fellow will have an opportunity to attend the ACR annual meeting to advance their understanding of how clinical effectiveness research is transformed to health policy. The fellow will also have an opportunity to have an onsite visit at Northwell Health.

Strategic Topics: Research proposals focused on the following key topics in demonstrating the value of imaging in the context of health policy are strongly encouraged.

1. Cost-effectiveness
2. Patient outcomes
3. Population health
4. Personalized medicine
5. Appropriateness of care
6. Incidental findings

Deliverables: Fellow is expected to (1) submit a year-end report to the program chairs within 1 month from program completion, (2) submit their research as an abstract presentation at a national meeting within 6 months from program completion, and (3) submit a manuscript on their research project for peer review, preferably to the Journal of the American College of Radiology (JACR) for first consideration, within 6 months from program completion.

Application Process: **Application deadline is May 31, 2023 at 8:00 PM EST.** Applications will be reviewed by the program chairs. The applicant selected will be announced by June 21, 2023. The fellowship period starts July 1, 2023, but can be flexible pending approval by the program chairs. The fellowship terminates June 30, 2024 or one year after the agreed upon start date.

Program Chairs:

- Pina C. Sanelli, MD, MPH, FACR, Vice Chair of Research, and Director of the Imaging Clinical Effectiveness and Outcomes Research (iCEOR) program at Northwell Health.

- Elizabeth Rula, PhD, Executive Director of the Nieman Health Policy Institute.

Eligibility requirements:

- (1) Applicant must be an ACR member in good standing with an MD and/or PhD (or equivalent) degree or be an MD and/or PhD candidate.
- (2) Applicant must be a fellow (PGY 6+) or junior faculty (within first 5 years after completion of graduate training) during the research fellowship award period.
- (3) Applicant's primary institution must be an ACGME-certified program in radiology, radiation oncology or nuclear medicine discipline.
- (4) Department Chair and/or Program Director must provide endorsement of the application with commitment to support 20% effort for the applicant to dedicate to the research project during the fellowship period and attendance at the required on-site program visit and ACR annual conference according to institution's policies.

Application materials:

- (1) Application (1-page)
- (2) Project Proposal: Research proposals focused on strategic topics in demonstrating the value of imaging in the context of health policy are strongly encouraged. Provide a description of the proposed project to be completed during the fellowship period in collaboration with the supporting scientists, research specialists and staff. Format the proposal with the (1) project title, (2) strategic category and describe how it will advance the NHPI mission, (3) brief background (including references) stating the significance of the proposed project, (4) specific aim(s) and hypothesis, (5) methods and statistical analyses, and (6) project deliverables. Format requirements include: (a) maximum length is 2 pages (not including references) with 0.5" margins; (b) single-spaced; (c) font type Arial or Times New Roman (no smaller than 11 points). Applications that do not adhere to the requirements will not undergo the review process.
- (3) Curriculum Vitae (CV): Prefer NIH Biosketch format (5-pages maximum)
- (4) Department Chair and/or Residency Program Director letter of support with endorsement of the application and description of the department's commitment for the applicant to participate in the program.

Affiliation with other Programs: The Neiman Institute Research Fellowship in Clinical Effectiveness and Health Policy Research provides a bridge to fill the gap for fellows and junior faculty interested in training in health services research. Upon completion of this fellowship program, applicants are prepared to apply for the RSNA-VOICE program and/or RSNA/ASNR/SIR-Comparative Effectiveness Research Training (CERT) program to further their education and training in clinical effectiveness and health policy research as junior faculty.

Program Support:

Neiman Health Policy Institute will reimburse for the fellow's travel and accommodation expenses incurred for the on-site visit to the host institution and the annual ACR meeting in accordance with the Institute's travel policies. A \$500 stipend will be awarded to the fellow. The fellow will also have to opportunity to participate in the NHPI's Research Coalition, a forum to present work-in-progress, give and receive constructive feedback, and exchange ideas with researchers across the country.

Northwell Health will provide on-site space for the research fellow during the onsite visit, 1:1 mentorship, didactic course curriculum, guidance on research project objectives and plan, a collaborative team and resources during the fellowship period. The program chairs will schedule the visit with the applicant according to their combined availability. Fellows in this program will have the opportunity to attend the course curriculum on Imaging Clinical Effectiveness and Outcomes Research.

Applicant's institution will provide dedicated 20% time for the applicant to participate in the research fellowship training and to attend one week at the host institution and one week at the annual ACR meeting. The endorsement letter from the Department Chair and/or Residency Program Director should describe departmental commitment of the applicant's time to participate in the program.