

1. Early Phase Clinical Trials in Imaging and Image-Guided Interventions (R01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-17-167.html>

A 3-year R01 with total budget capped at \$500,000 direct costs over the duration of the project.

Useful for small quick clinical trial of established technologies in IGI, including IG-Bx.

2. Academic-Industrial Partnerships to Translate and Validate in vivo Cancer Imaging Systems (R01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-17-093.html>

Up to 5 years of funding for development toward translation of IGI technologies, in collaboration with scientists from an industrial partner, large or small companies.

3. Academic-Industrial Partnerships for Translation of Technologies for Cancer Diagnosis and Treatment (R01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-15-075.html>

Similar to #2 above, with emphasis on cancer diagnostics (e.g., histology-derived diagnostic biomarkers).

4. Imaging and Biomarkers for Early Detection of Aggressive Cancer (U01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-16-089.html>

Development of combined imaging and biomarker approaches to screening, early detection of cancer and differentiation of indolent from aggressive cancers. Image-guided biopsy could serve to provide a reference standard for the imaging-biomarker approach.

5. Image-guided Drug Delivery (R01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-16-044.html>

Although not directly related to IG-Bx, this initiative might be of interest to interventional radiologist to support development of catheter or nano-carrier based drug delivery to enhance the therapeutic ratio by focal delivery of therapeutics to the tumor.

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