Patient-centered radiology

Image-guided biopsy + pre-op localization

Risk assessment

Interpretation + real time evaluation

Patient advocacy

Outcomes research

# Jafi A. Lipson, MD – Breast Imaging

- Clinical (70%)
- Teaching/Admin (10%)
- Research (20%)
  - Novel imaging + intervention techniques
  - Informatics applications
  - QI initiatives

# Research interests + collaborations

- Breast density + cancer risk assessment
  *(Sieh, Rubin, Liphardt)*

- Breast cancer detection + extent of disease evaluation using CEDM and MRI
  *(Daniel, Hargreaves)*

- Blood, body fluid + imaging biomarkers of breast cancer burden
  *(Pitteri, Oakley-Girvan, Demirci)*

# Informatics project ideas

- BI-RADS descriptor prediction
- Computer-assisted biopsy recs
- Rad-path concordance assessment
- Treatment response prediction
- Quality improvement
  - Improving mammographic positioning
  - Reducing motion artifact on DBT
  - Radiation dose reduction

# How can I help?

- Ground your research questions
  - Clinically relevant use cases
- Access to patients + correlative data
  - Stage I-IV and neoadjuvant populations
  - Structured data + annotated images
- Clinical research infrastructure
  - CCTO breast imaging clinical research coordinator to navigate IRB, CRG, SRC, CCTO, RMG, SHC…