



Successful Strategies to Secure CTSA Funding for Translational and Clinical Imaging Research

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Disclosures

- **NIH funding: Harvard Catalyst Clinical Translational Science Award**

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Keys to obtaining initial funding

- **Establish relations with non-imaging clinical/translational researcher**
 - Clinical service
 - Research Collaboration
- **Be engaged with NIH study sections, panels, etc... prior to RFA**
- **Be at the table when grant is considered at local institution**
- **Write the grant**

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Harvard Catalyst Translational Imaging Consortium

- **Consultation**
 - Website to submit imaging questions for any Harvard investigators
- **Education**
 - Half-day course in oncology, cardiology, neuroscience
 - Imaging biomarkers and interactive Slicer sessions at RSNA, ACRIN
 - 2-day course in drug development and imaging biomarkers
 - Lectures for research staff: benefits/risks of imaging, radiation safety/risks, MRI safety
- **Imaging Informatics**
 - Medical Imaging Informatics Bench to Bedside (mi2b2) (ARRA supplement)
- **Multicenter clinical trials**
- **Pilot Grants**

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Examples of successful consults

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Imaging BioCognitive Function and Neuroimaging of Smoking-Related Cuesmarkers in Glioblastoma

- Amy Janes, Instructor in Psychiatry, McLean Hospital
- Example of career mentoring
 - April 2010: K01 summary statements: major issue was that the reviewers felt the training plan seemed more basic than necessary.
 - Requested a consultation with Randy Gollub on advice on what sort of imaging training may be good for someone with 3 years of experience (but no experience in some of the "basic" things like study design).
 - about 4h of consultation reviewing revised K-award application and training plan
 - On March 6, 2011, K01 just awarded.

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The Effects of Docosahexaenoic acid on Periodontitis

- Asghar Naqvi, MD, Instructor in Medicine, BIDMC
 - November 2009: co-PI of an awarded Harvard Catalyst pilot grant.
 - July 2010: after discussion with Ann Schlessinger, requested a consultation to discuss feasibility of including imaging in the project. Bob Lenkinski worked with them on study design and IRB application (7h consultation)
 - February 2011: IRB approved and first healthy subjects imaged. Bob Lenkinski assisted with image acquisition and image analysis.

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