Development of an Integrated Innovation Program into Interventional Radiology Residency and Fellowship

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Disclosures

We have no financial relationships to disclose concerning the content of this presentation or session.
Transition to Interventional Radiology (IR) Residency

- In 2013, the Accreditation Council for Graduate Medical Education (ACGME) approves new training pathways for IR
- In 2017, the first class of integrated IR residency will begin
- In 2020, the traditional 1-year IR fellowship ends
- Residents serve on the “front lines,” have educational mandates for research, and watch daily dynamic problem solving for IR’s

➢ Opportunity to supplement education and recruit competitive students

Initial Integration

• Innovation Grand Rounds - Speakers
  • Nicole N. Morris, JD
    • Professor, Emory University School of Law
    • Director of the TI:GER (Technology Innovation: Generating Economic Results) Program
  • Harold Solomon
    • Principal, VentureLab, Georgia Institute of Technology
  • Todd Sherer
    • Associate Vice-President for Research
    • Executive Director, Emory University Office of Technology Transfer

From Bench-top to Bedside: Emory Interventional Radiology Innovation Grand Rounds

You are cordially invited to attend a special session of the Emory Interventional Radiology (IR) Grand Rounds focusing on innovation. The session will include speakers and panelists from the Emory University School of Law, the Emory University Office of Technology Transfer, and Georgia Tech.

Emory IR Grand Rounds
Emory University Hospital Annex, Room N122
Thursday, August 11, 2016
7:00 am - 8:00 am

ICI meeting 2016
December 4-6, 2016
Tel Aviv, Israel
Georgia Tech Capstone Design\textsuperscript{2} Program

- Georgia Tech students work in teams to design, build, and test prototypes each semester.
- Students often visit the IR angiosuite to hear firsthand about specific clinical needs and technology deficits for common and complex procedures.
- Faculty, fellows, residents, and students have opportunities to mentor teams.
  - In fall of 2016, 5 total Georgia Tech Capstone Design project teams were mentored by IR’s at Emory.
  - Teams presented their final prototypes in a sales pitch at Emory IR Grand Rounds and at the Capstone Design Expo (December 6, 2016).
- Teams can then submit projects for further sources of funding and support including:
  - Georgia Research Alliance\textsuperscript{3} (funding only available to academia with purpose towards company and job creation in the state of Georgia).
  - Global Center for Medical Innovation\textsuperscript{4} (GCMI).
  - Other local opportunities for venture capital, investment, and development.

2. http://capstone.gatech.edu/
Why IR Residents?

- In lieu of a single year of fellowship, IR residents now spend several years at Emory.
- An official or unofficial innovation track could be designed as follows:
  - Year 1 (PGY-2): idea development and Capstone Design production.
  - Year 2: funding development and pre-clinical testing using the animal lab in the Emory Department of Radiology or the world-class T3 Labs at Georgia Tech.
  - Year 3: clinical testing, further funding development.
  - Year 4: company construction and/or licensing.
- Throughout residency, trainee is:
  - Becoming an expert in the specialty, giving talks at international meetings and publishing preclinical and clinical findings.
  - Attending innovation lectures and developing clinical excellence as an IR.

For more information, please contact Zachary Bercu, MD RPVI at zbercu@emory.edu.

5. http://t3labs.org/