Research at Tech

Office of the Vice Provost for Graduate Education and Faculty Development
Welcome and Introductions

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What is a Successful PI?
From IDEAS To RESOURCES to scholarship
From IDEAS To RESOURCES to scholarship
Is Your Vision Compelling?

Heilmeier’s Catachism (DARPA)

• What are you trying to do? Articulate your objectives using absolutely no jargon.

• How is it done today, and what are the limits of current practice?

• What is new in your approach and why do you think it will be successful?

• Who cares? If you are successful, what difference will it make?

• What are the risks?

• How much will it cost?

• How long will it take?

• What are the mid-term and final “exams” to check for success?
Refining Your Vision – Elevator Pitch

What is your vision –

• What are you trying to do? Articulate your objectives using absolutely no jargon.

• What is new in your approach and why do you think it will be successful?

• Who cares? If you are successful, what difference will it make?
Visioning Activity

Active Listeners

Round 1: practice 1 minute elevator pitch – no feedback from the listeners

Round 2: deliver 1 minute elevator pitch – listeners ask probing questions

Round 3: deliver refined 1 minute elevator pitch – no feedback from the listeners
Getting Your First Grand Proposal Out The Door: *FOUR* Things to Remember

- Ask who supports grant submission in your unit, what they will do vs what you will do. Make expectations clear.
- Reach out to the Contracting Officer well ahead of the deadline, put all required forms and budget (everything but the intellectual content) in their hands days before. [http://osp.gatech.edu](http://osp.gatech.edu)
- Contact your College’s Associate Dean for Research for any “ask” of GT: Letter of Support, Cost Share, etc.
- Don’t wait until the last minute if there are compliance items required for submission (EHS, IACUC, IRB, etc.) Some must be certified by GT prior to submission.
Relevant Topics This Year

Extended New Faculty Orientation, 2019-2020
A light lunch will be provided.

September 27, 11:00-1:00  Where Do I Go? – Resources Faculty Need
October 17, 11:30-1:00   Engaging Students in the Classroom with Active Learning

**November 13, 11:30-1:00**  Writing a Winning Research Proposal
December 2, 11:00-1:00  Suicide Prevention Gatekeeper Training (QPR)

**January 21, 11:30-1:00**  Leading a Successful Research Program
February 27, 11:30-1:00  Advising and Mentoring Students

March 31, 12:00-1:30  Mastering Academic Time Management
April 15, 12:30-2:00  Ethical Decision-Making
April 28, 4:30-6:00  Year-End Reception

More information forthcoming – see faculty.gatech.edu/current-faculty/new-faculty-orientation
Mentoring in Research
### Choose 3 Words That Resonate With You As Describing the Mentor/Advisor’s Role

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<thead>
<tr>
<th>Advocate</th>
<th>Colleague</th>
<th>Friend</th>
<th>Parent</th>
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<tr>
<td>Ally</td>
<td>Connector</td>
<td>Guide</td>
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<td>Champion</td>
<td>Employer</td>
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<td>Coach</td>
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<td>Listener</td>
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<td>Collaborator</td>
<td>Facilitator</td>
<td>Mediator</td>
<td>Teacher</td>
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1. **Enter your words:**
   - Web: Pollev.com/gtmentors
   - Text: Text GTMENTORS to 37607
   - Enter each word separately

2. **Discuss with someone why you chose those words.**
Choose 3 Words That Resonate With You As Describing the Mentor/Advisor’s Role

PollEv:

https://www.polleverywhere.com/free_text_polls/qPqA7zcxVM0Hnf44VgomF
Best Practices: Active Listening

1. Be attentive.
2. Ask open-ended questions.
3. Ask probing questions.
4. Request clarification.
5. Paraphrase.
6. Be attuned to and reflect feelings.
7. Summarize.

7 KEY ACTIVE LISTENING SKILLS
Best Practices: Set Mutual Expectations

• How often will you meet during this semester?

• What is the protocol for communication between meetings?

• What are your SMART goals for this semester?
  (SMART: Specific, Measurable, Attainable, Relevant, Time-bound)

• When will you check in on progress toward goals?

• When and how will you give feedback on your student’s work?

• What are some upcoming opportunities for engagement with your research group or department?

• What additional expectations do you have?

Georgia Tech Catalog:
http://www.catalog.gatech.edu/academics/graduate/expectations/
Best Practices: Individual Development Plans

1. Conduct a self-assessment & identify areas for progress

2. Discuss self-assessment, resources, and opportunities with advisor(s) & mentor(s)

3. Set goals for upcoming year

4. Implement plan, check progress, and revise plan as necessary

Georgia Tech IDP Templates for Graduate Students and Postdocs: http://ctl.gatech.edu/resources/best-practices/IDPs
Structured plans help to:

- Satisfaction & Productivity
- Conflicts with supervisor