



**JOHNS HOPKINS**  
U N I V E R S I T Y

# Starting Your Own Lab

**Gregory D. Hager**

Department of Computer Science  
Department of Surgery

**CIRL** Computational Interaction  
and Robotics Laboratory

# Your Own Small Business

- Start with ideas
- Add people
- Produce results



# Your Own Small Business

- Start with ideas
  - What are the “unfair advantages” of your abilities and situation?
  - Feasibility and impact – create a portfolio
  - Stay focused
  - Constantly re-evaluate “risk curve”
- Add people
  - You are way more effective than anyone you hire!
  - Start small – management takes time and practice!
  - Keep people who are interested and able
- Produce results
  - Make sure you have best case/expected case/worst case plans
  - Make sure you can connect what you are doing with larger themes/problems ideas in your community

# Funding (yes this is a business)

- Don't be afraid to invest your startup (that is why its called startup!)
- Grant writing is a creative process *and* a planning activity -- know your audience!
  - Which to emphasize depends who you are writing to!
- Find and use *beneficial* collaborations
- Realities are that you'll likely be successful at most 1/5-1/3 of the time
  - If you write 2/yr then your expected funding in six years is ..?

# Do What is Fun!

