

Success in Research

What we learned along the way

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New Faculty Orientation
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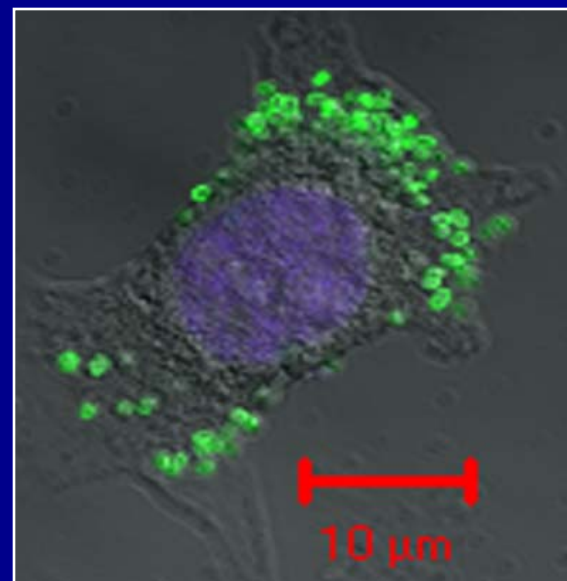
Academic duties

- Research and scholarship
 - Teaching
 - Service

Research

- Funded research
 - NIH or other
- Publications
 - Primary
 - Literature reviews
 - Book chapters

Neisseria gonorrhoeae
with human cervical
cells



Research

- Other scholarly activities
 - Presentations (at national, international meetings)
 - Seminars at other universities
 - Manuscript review
 - Grant review
- } Aid your own grant/ms writing

What I learned - research

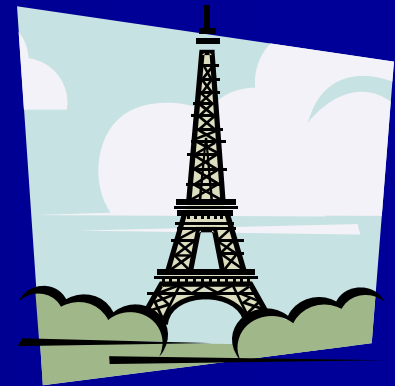
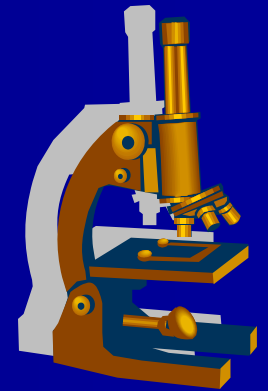
- Choose a significant problem
- Know the literature
- Write those manuscripts!
- Focus, focus, focus – define your study
- Formulate a hypothesis
- Seek advice from experienced colleagues
- Follow it!

General Advice

- Be organized (lab, teaching, writing ...)
- Don't procrastinate
- Set goals (wk, mo, yr, 5-year plan)
- Be persistent, but open-minded
- Go to scientific conferences
- Don't get too far from the "bench"
- Be a good mentor
- Find a good mentor

Opportunities (Pros)

- Independence
- The excitement of discovery
- Training the next generation
- Great colleagues (local and international)
- Travel



Challenges (Cons)

- The struggle for funding
 - Payline 2008 (NIAID – R01): 12th percentile
 - 2000 : 20th percentile
- Maintaining balance between teaching and research
- Maintaining optimism
- Managing people and budgets

Maintaining Balance

- Organize
- Prioritize
- Multi-task
- Be efficient
- Don't neglect yourself
 - Family
 - Outside interests
 - Exercise

