



Congratulations!

Now you have your first R01, what's next?

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Your Status Changed Over Night

New
Investigator



Established
Investigator

Expectations for Established Investigators

- ... successfully manage your R01
- ... bring in additional money
- ... publish
- ... lead
- ... participate and serve

To succeed it's important to learn how to balance these expectations.

Successfully Manage Your R01

- Your R01 has elements akin to managing a small business
 - Manage budget
 - Enlist a fiscal administrator who will track the money; review monthly expenditures
 - Organize your environment
 - Research needs structure – space, management of files/data (electronic, paper)
 - Staffing
 - Plan how to manage and organize your team; plan for a project coordinator or assign a trusted experienced research associate
 - Plan
 - What your major grant products will be in advance - set goals of the award
 - Some investigators plan each aim as one or two papers

Successfully Manage Your Research Team

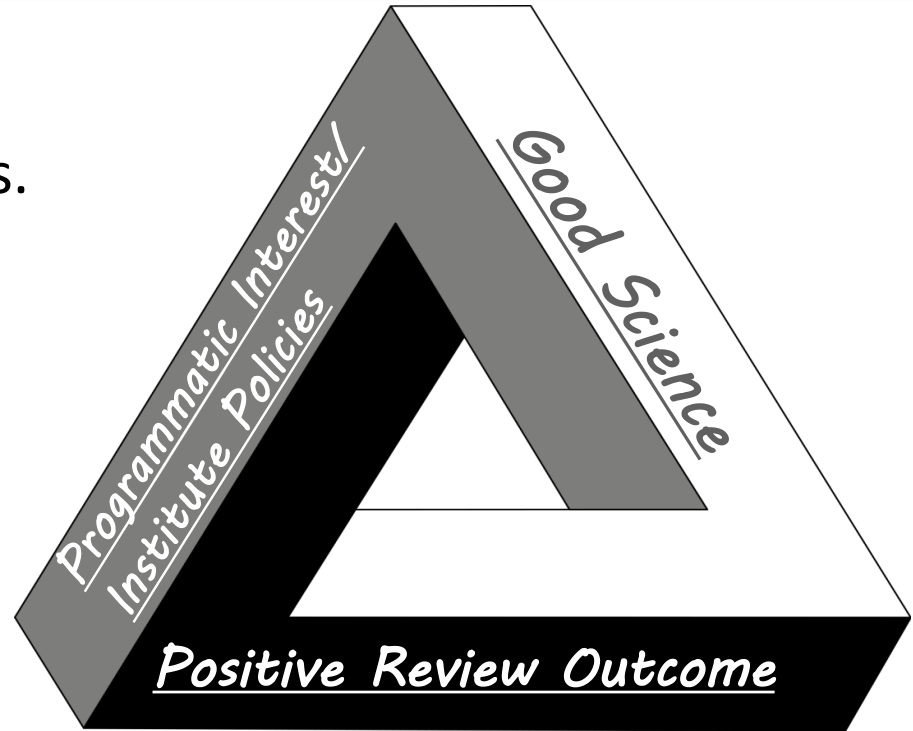
- Managing your research team —
 - Don't assume:
 - ... that everyone knows what the research goals are
 - ... that your collaborators or sub-awards work the same way
 - ... that your research design can be implemented exactly as written
 - ... that you only need to say it/demonstrate it once
 - Do:
 - Develop SOPs and manuals, including how data will be reproduced, to ensure that everyone is on the same page
 - Communicate

Bringing In More Money

Keep in mind:

No secret formula for success.

Most grant applications fail.



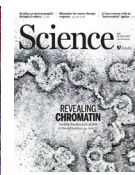
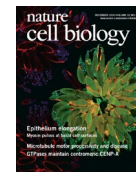
Start Thinking About The Next Grant

- New/different area or an extension of funded work?
- Think about what's needed
 - Preliminary data, publications, new collaborators
- Know what's available to you
 - Local resources to help build preliminary data; editorial help
 - Other funding mechanisms and agencies
 - Collaborators; NCI Program Staff
 - Learn to pitch and practice presenting your ideas – what you're trying to do, why it's important, why you should do it

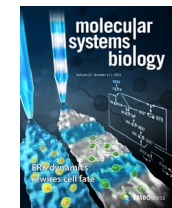
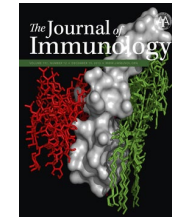
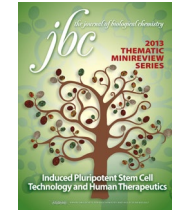
Writing The Next Grant Application

- Plan it out
 - Make a time line – stick to it
- Let the science drive the application
 - Have a clear focus – don't try to solve everything
 - Demonstrate feasibility with well-considered preliminary data and rationale
- Grant applications allow for speculation
 - Test hypotheses
 - Acknowledge limitations
- Practice good grantsmanship
 - Put yourself in the shoes of reviewers
 - Connect with readers by story telling your science
 - Consider your formatting and use clear language
 - Add pictures and schematics
 - Follow complex, technical sentences with one that sums up the big picture
 - Personalize biosketches
 - Read successful proposals
 - Don't try to guess what reviewers want
- Learn from negative feedback
 - Learn how to read critiques

Expectation to Publish



- Know what your Department expects of you
- What's preferred by reviewers?
 - Number or quantity? One top tier or several lower tier papers?
- Advice
 - Publish relevant data papers, not just reviews, in respected journals, in a timely fashion as senior author
 - Consider and value your time and limited resources when trying to satisfy reviewers
 - One more experiment ... or move on to another journal?



Expectations to Lead, Participate, and Serve

- As Employer and Team Lead
 - Postdocs, students, technicians, lab manager, administrative staff
 - Need a good team – build carefully; don't take on more trainees than you can handle
 - Know who can help you, e.g., business office, go-to mentor
- As Employee
 - Institutional committee service, teaching
 - Easy to become overcommitted with non-science activities
- As Academic Researcher
 - Collaborator, reviewer, meeting organizer/speaker, advisory board member
 - Beware of one-sided collaborations that don't really align with your interests
 - Reviewing papers and grants is beneficial, but takes time

Competing Renewal – General Comments

- It's never too early to begin thinking about your renewal, but do you have to renew?
- In deciding whether to renew, consider progress made and obstacles tackled/overcome
 - Know your department chair's expectations
- When to submit?
 - If you're not successful first time, will there be a potential funding gap?
 - Talk with your Department Chair and your Program Director

Successful Renewals Often Have ...

- Reported progress on previous Aims
 - Are there new directions that arose from observations made during the execution of the original aims or is the direction the next *logical step* and not just an incremental one?
 - Explanations for aims that worked and those that didn't; how new areas arose
- Publications and Preliminary Data
 - Did the published data papers arise from the goals of the original aims/proposed directions?
 - Are the Preliminary data from recently published or in press work?
 - Does the preliminary data demonstrate feasibility?
- Appropriate Expertise

Take Home Messages

- Know your Institution's expectations and policies
 - Learn to balance expectations – know what works for you
- Build your team and resources wisely
 - Know what's going on at all levels (budget and science)
- Don't be afraid to ask questions or ask for help
 - Institution business people, mentors
 - NCI Program staff or Grants Management Specialists
- Don't lose sight of the big picture
 - Why you love the science you do and how you fit into your communities



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