

Eastern Association for the Surgery of Trauma

Advancing Science, Fostering Relationships, and Building Careers

32nd EAST Annual Scientific Assembly Short Course

The Insider's Guide To Kickstarting Your Research Career: What No One Ever Tells You About Becoming A Surgeon-Scientist

January 16, 2019
JW Marriott Austin
Austin, Texas



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Understanding Local Hiring Practices

Brandon Bruns University of Maryland School of Medicine R Adams Cowley Shock Trauma Center



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Understanding Local Hiring Practices (with some personal thoughts thrown in)

Brandon Bruns
University of Maryland School of Medicine
R Adams Cowley Shock Trauma Center





Are you hiring your research staff?

Are you looking to get hired?

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Hiring your research staff

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Consider Your Setting





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FROM OUR SENIOR DIRECTOR OF RESEARCH

- Retention, Retention, Retention
- 24/7 Scheduling
 - No incentive pay for nights, weekends, holidays
 - Essential employees



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State of Maryland Cancer Research Trauma Research

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Trauma Research

- <u>24/7</u>
- Weekends & holidays
- Approaching families immediately
- Same pay

Cancer Research

- Regular work schedule
- · No weekends or holidays
- Time for families to absorb diagnosis
- Same pay on paper (in reality, there is more money)



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WHO DO WE HIRE

- · International work visas
- · 4-year degrees
 - "Kids" who want to get into med school
 - Retention
- 2-year nursing degrees
 - Difficulty with promotion



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BOUNDARIES TO HIRING

- Money
 - 10 million for trauma / 60 million for cancer*
- Retention
 - Smart "kids" leave in a year
 - Changes in visa programs





*Our Senior Director of Research

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LESSONS I'VE RECENTLY LEARNED

- Politics and interactions are not typical for your daily life
- Timeframes can be more "administrative"





Fostering your Research Career

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Who is your Boss?

- Personality of your boss
- Expectations of your boss
 - K award / R01 / Clinical
- What can you (safely) request
 - Time / Money / Facilities
- · What results are then expected
 - Money will expect results

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MORE TRAINING

- Research specialization courses
- · Advanced degrees
- Self-paced online courses

If possible, do it early and get it paid for

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BE HONEST WITH YOURSELF

- · Clinical vs Research
- Can you have both?
- What would you do with protected time?
- What are the expectations?
- What makes you happy?



MOST ACADEMIC CENTERS VALUE **RESEARCH**

- Collateral to get promoted...and maybe get a raise
- Local (and national) recognition
- Fun and creates a varied experience



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AS YOU PROGRESS... CONTINUE TO BE **HONEST**

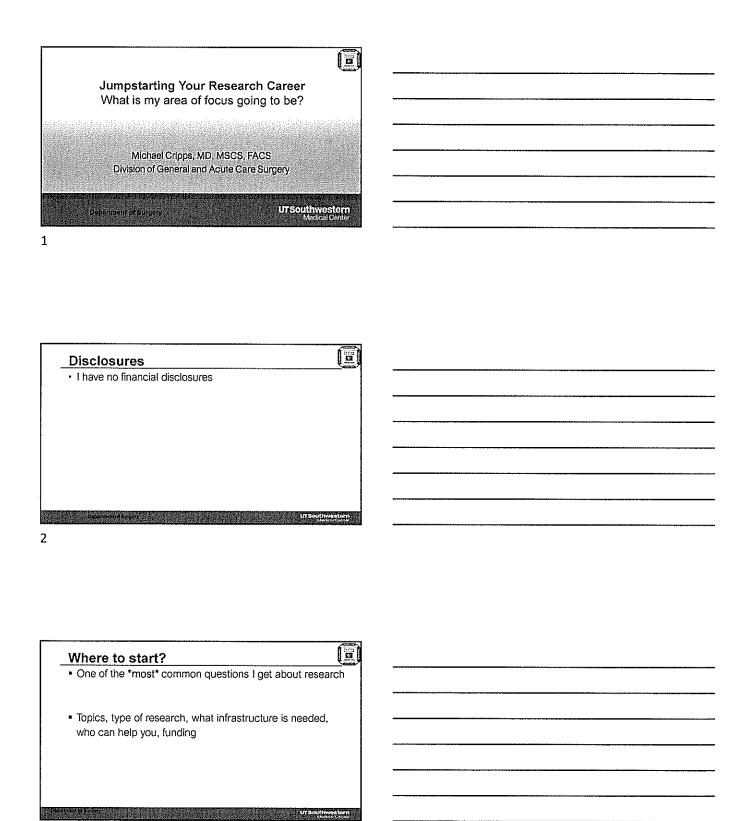
- What do you enjoy?
- What are your local resources?
- Should you go back to school?
- Are you happy where you are?





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These future Longhorns encourage you to enjoy Austin.



Start at the beginning What do you LOVE?

- IF you are excited about a topic, you'll spend the time on it

• What is common in YOUR practice?

- If your main interest is NOT common, what IS?
- Study what's around you and make it yours
- · Your AREA of focus can be broad
 - Find various specifics under the area of interest

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What Type of Research



- Outcomes
- Relatively fast, establish yourself
- Clinical Trials
 - Highly respected
- Basic Science
 - Mechanistic explanations
- Translational
- Link clinical and basic science
- Qualitative
- Education, Implementation

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Outcomes



- "Chart review" Early career
- Do not need a lot of infrastructure
- Computer; access to the charts
- IRB is straightforward
- · Establish you as an expert
- · Labor Intensive where are you getting data?
- Statistics help/training
- Informatics \$\$, need experts

Clinical Trials



- Observational Trial Early/Mid Career
- Big endeavor Mid career
- · Need significant infrastructure
- Your time and/or significant coordinator resource
 Significant \$\$ and/or Department/Division support
- IRB, Data Safety Monitoring Board
- Trauma Exception from Informed Consent
- Community consultation
- · Masters of Clinical Science

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Basic Science



- · Can be in early career
 - Already have some training (MS/PhD) OR have PhD ready to mentor a
 - Physical lab space, equipment, capital start up
 - Negotiate at recruitment
- · Animal Models? IACUC; clinical samples? IRB
- Both issues of Clinical Trials and Basic Science
- Can lean more to the PhD or to the MSCS

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Qualitative Research



- "Soft Sciences"
- With On Job Training being restricted, more emphasis on
 - Education
 - Simulation training
 - Physician wellness
- Need mentor/training
 - Support from Department

Who can help you



- You're going to need manual labor of residents, students, and coordinators
- Who's going to help be your mentor?
 - Your career mentor is often not your research mentor
 - Look for mentors outside your Division and Department
 Clinicians, PhDs, Nursing

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Funding



- Who's going to pay for all of this?
- · Start with what you have
 - Negotiate some \$\$ in your contract!!
 - See what others are doing
 - Get some preliminary data
 - Apply, Apply, Apply, Apply, Apply, Apply, Apply, Apply

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Pragmatic Research Flow



- New Fellow/Faculty: "I want to do the definitive clinical trial on ABC comparing Y to Z. Plus, I'd like to run some gels on these samples to identify the mechanism at play."
- Me: You'll need 3 million dollars
- New Fellow/Faculty: I hate research.

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Pragmatic research flow

- Pick a topic that you WANT to study
- Do a retrospective review (outcomes)
 - On a specific topic a FEW TIMES
 - Build a database
 - Write review paper(s)
- Do an observational study
 - Collect samples; get additional training
- Possible do an MIT/join a MIT
- Get grant(S)
- Do BIG study

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Conclusion



- Start with what you love and what's around you
- Don't re-invent the wheel
 - Look for mentors
 - Look for collaborators
- Don't give up!

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Insider's Guide to Kickstarting Your Research Career: Compensation/Rewards

Daniel Holena, MD MSCE Associate Professor of Surgery and Epidemiology Division of Traumatology, Surgical Critical Care, and Emergency Surgery Department of Surgery University of Pennsylvania

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Disclosures

- Commercial: None
- Salary support through NHLBI K08 HL131995

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Why talk about compensation/rewards?

- ▶ Few people are motivated by true altruism
 - ▶ Effort needs to be rewarded in order to be sustained
- Failure to appropriately reward leads to failure
 - Rewards must be:
 - Commensurate with effort
 - Titrated to level of expertise
 - Appropriate in nature
- ▶ The success of your research efforts depends on this!!



Major points covered

- ▶ Types of Compensation/Rewards
- Matching motivation to reward
- Setting expectations

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Types of Compensation/Rewards

- ▶ Financial Compensation
- Prestige/Accomplishments
- Knowledge/Skillsets
- May be overlap between types of compensation, e.g.:
 New data analyst -> Financial and skillsets

 - Undergraduate student -> Knowledge, Financial, Prestige

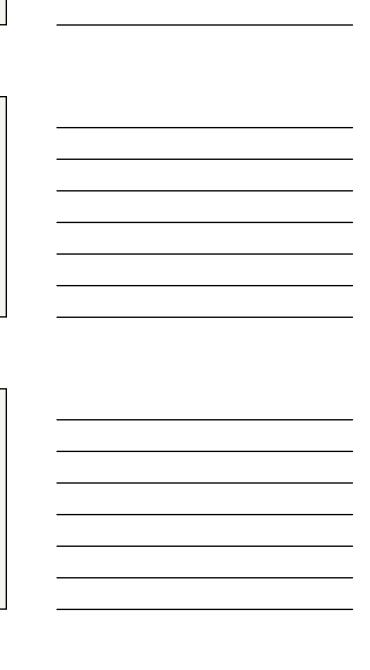
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Financial Compensation

- - ▶ Tangible and objective
 - Universally accepted currency
 - ▶ Everybody needs it



- ▶ Ephemeral and consumable
- Generally does not inspire passion or loyalty
 - "You really want a (research group) full of missionaries, not mercenaries"



Financial Compensation

- ▶ What you need to pay this out:
 - ▶ Direct control of funds
 - Access to funds



- Research support programs
- Seed funding
- ▶ Grant funding
- Salary



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Prestige/accomplishment

- - More durable than financial gains
 May provide opportunities that financial
 - gains cannot

 Medical
 school/residency/fellowship/faculty interviews
 - Recognition within specialtyTravel
- Cons:

 - Not guaranteed
 No publication, no prestige
 Requires up-front investment of effort



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Prestige/accomplishment

- ▶ What you need to pay this out:
 - ▶ Credibility ability to deliver
- ▶ Where you get that:
 - Individual track record
 - ▶ Affiliation with others who are accomplished



Be able to provide concrete examples, references

Role	Research Topic	Dates	Current Position	Grant Suooort
Post-doctoralfellow	POR in critical	2004-2006	Assistant Professor	K12,
	illness		University of Marvland	NIHARDSnet
Post-doctoral fellow	POR in critical	2005-2008	Associate Professor	K08, VA-
	illness		University of Michigan	MERIT, R21
Post-doctoral fellow	POR in critical	2006-2008	Associate Professor	K23, R01
	illness		University of Pittsburg	
Post-doctoral fellow,	POR in lung	2006-2009	Assistant Professor	K08, R01
Junior Faculty	transplantation		University of Pennsylvania	
Primary mentor, K23	POR in critical	2007 - present	Assistant Professor	K12, K23
	illness		University of Pennsylvania	
Post-doctoralfellow	POR in critical	2007 - present	Assistant Professor	K12, K23
Primary mentor, K23	illness		University of Pennsylvania	

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Knowledge/Skillsets

- Pros:
 - More durable than financial gain or prestige
 - May result in new abilities to independently conduct research



- ▶ Requires up-front effort
- Less visible/tangible than other types of rewards
- ▶ Gratification may be greatly delayed



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Knowledge/Skillsets

- What you need to pay this out:
 - Subject matter expertise
 - Time to teach and mentor
- Where you get that:
 - Previous training and experience
 - Individual effort to make time



Assessing motivation

- Understand how research fits into:
 - ▶ The past
 - Any prior experience, motivation for that
 - ▶ The current situation
 - How does the proposed work help candidate now?
 - ▶ The future trajectory
 - Does this make sense in the candidate's proposed trajectory?

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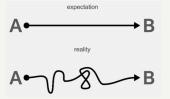
Matching motivation to reward: How can we help each other?

- ▶ How can I help you?
 - Assess your ability to deliver desired reward
 - Explain how you will deliver it
- ▶ How can you help me?
 - Assess the potential team member's abilities to deliver the required efforts
 - Do skillsets meet the requirements of the project?
- If both parties agree that there would be mutual benefit, then it's time to talk about deliverables

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Setting expectations

- Expectations should be:
 - Clear
 - ▶ BEFORE starting work
 - ▶ With plans for contingencies



Examples of clarifying expectations

- ▶ Financial
 - How much does the team member get paid (hourly? Per prespecified amount of work?)
 - Is it contingent on future grant applications that are not yet funded?
- Prestige
 - Authorship on this work? If so, in what position?
 - What happens if the team member underperforms?
 - Able to travel to present this at a meeting if accepted? Who will pay for travel costs?

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In Summary

- ▶ Payment can take many different forms (financial, prestige, knowledge)
- Understanding the motivations of your team members and your own ability to deliver payment is key to a sustainable win/win relationship
- Set clear expectations before starting; maintain clear lines of communication





Time and Work Management

Bellal Joseph, MD, FACS Professor and Chief of Surgery

Division of Trauma, Critical Care, Burns, & Emergency Surgery University of Arizona, Tucson, AZ



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Banner University Medical Group

Outline

- Protected time
- · Managing protected time
- Plan ahead
- Yearly goals and expectations
- Teamwork & Collaboration
- My Journey











Success of the Surgeon Scientist
University Medical Group

The Individual

Format

Degree

Salary

The Institution

Format

Salary

The Institution

Format

Salary

Formation

Format

Formation

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Scholarly Accomplishment and Clinical Responsibilities
Tradeoff
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Protected time is the only to compete for funding the property of the compete for funding the property of the property of

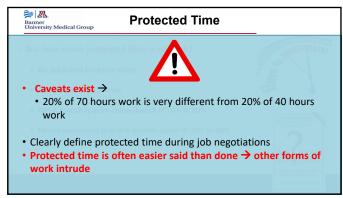
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≫|**Æ**. **Protected Time** · Time one spends conducting research or contribute to personal career goals or education · Comes from academic departments in the form of

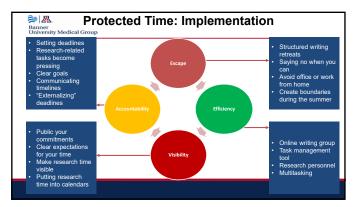
- - · Salary guarantees
 - ↓ clinical volume target
 - ↓ administrative duties
 - ↓ on call duties



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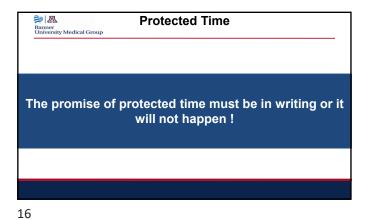




















Effective Time Management: Surgery, Research, Service, Travel, Fitness, and Family C. Rees Porta, Michael R. Anderson, Scott R. Steele



- Overwhelming amount of literature on corporate/industry level time management strategies
- Very little published regarding physicians—and lesser still specific to surgeons
- The most important goal is finding which methods work well for you and then implementing them

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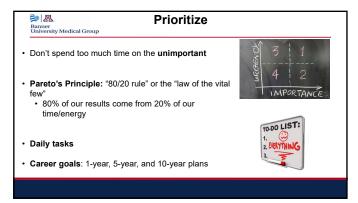
Define Your Goals First

- · Where you would like to be at various points in the coming years?
- · What does success mean to you?
- · Be innovative

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· Map out your interests





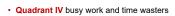




Manageable Realistic To-Do ListsManageable Realistic To-Do Lists University Medical Group

Focus most of your energy on activities that are important but non-urgent →

- Stay out of :
 - Quadrant I filled primarily with crises
 - · Quadrant III interruptions and unnecessary meetings





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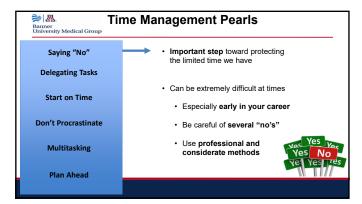
Manageable Realistic To-Do Lists

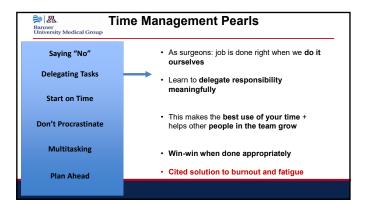
- Create lists and rank them in priority/urgency order
 - Talk with the clinic nurse, edit a manuscript, daily ward rounds etc
- Continually updates and reassesses the list so that it accurately reflects goals for the day or career
- Planning should be realistic
- Keep a slot for unforeseen delay

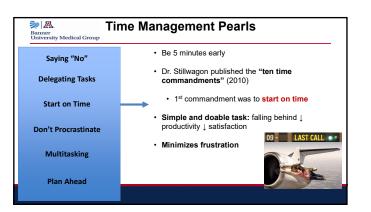


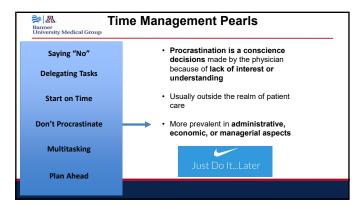
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Saying "No" Delegating Tasks Start on Time Don't Procrastinate Multitasking Plan Ahead

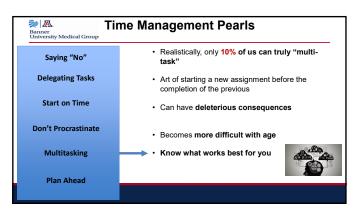


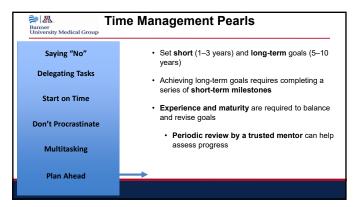


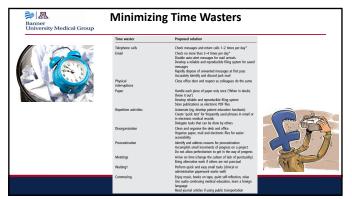


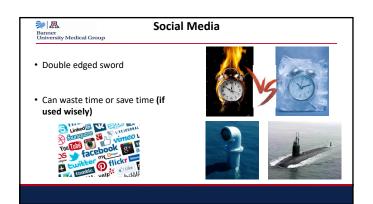


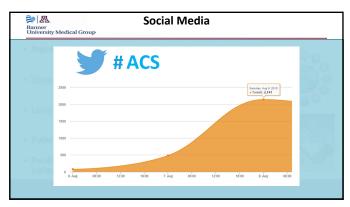


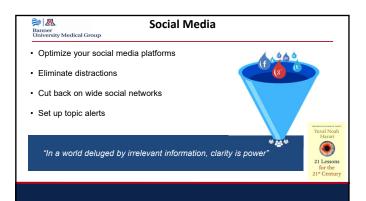


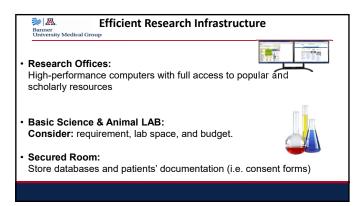












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Efficient Research Team

Jniversity Medical Group

Research Personnel:



Maintain research project objectives, management of research activities (e.g. data collection)

· Research Fellows:

Basic and clinical research studies, manuscript drafting, conduct statistics, and institutional representation.

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Teamwork

- A research infrastructure requires a team system design
- There must be a **research idea** prior to recruiting students, residents, fellows
- Create a forum for peer review and discussion of new projects
- Be clear about **expectations**
- Enthusiasm at the top creates enthusiasm in the ranks



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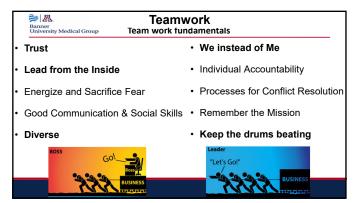
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Structure Your Team

- For some tasks a formalized **hierarchical structure** is an appropriate team design
- More complex varied tasks may demand intense teamwork and team adaptation
- · Defined roles
- Accountability
- Clear and proactive communications



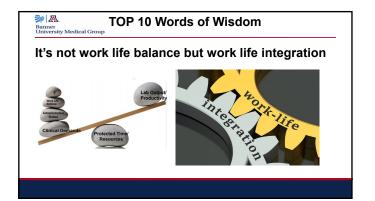


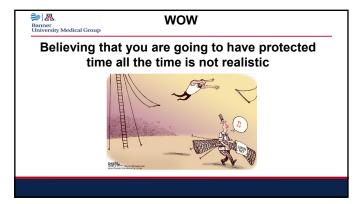










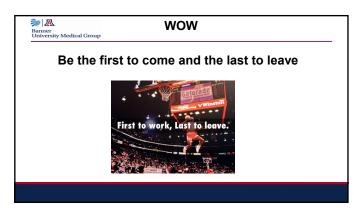


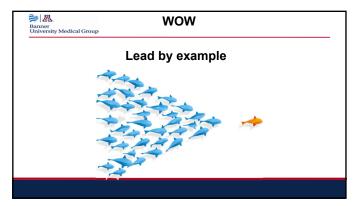












Banner University Medical Group Final Thoughts

- The difficulty with this subject is not in understanding but rather in applying the material to everyday life
- Stay disciplined
- Be resilient
- Seek advice
- Find what works for you
- There is no set template for the right amount of time Design your career







What are my Strengths and Weaknesses Anecdotes of failures and successes

Jose Pascual MD, PhD
Associate Professor of Surgery & Neurosurgery, Perelman School of Medicine
Trauma, Emergency Surgery, Surgical & NeuroCritical Care
University of Pennsylvania



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• Nothing to disclose



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Outline

- The Academician
- "What I like" vs "What I'm good at"
- Diversify & build on existing work
- Integrating your clinical and research facets
- New training vs leveraging previous expertise
- The invariable administrative duties





So you want to be an Academician...

- Or maybe really never thought you could
- Research...

 - BenchOutcomes
 - Translational • Big data
- But other approaches
 - Education
 - · Quality improvement
 - Best practices
 - Hospital management



Differentiating what "I like" and what "I'm good at".

- Sometimes these ARE different
- You should not persist if you continually dislike a research question/area
 - What if you are still successful at it?
 - Be pragmatic and build on it
 - Explore more palatable aspects
- An area "I Like" may need to be abandoned
 - Standard of care, no longer novel
 - Proven to not work/harm



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Is there a gap? A Niche?



- Filling gaps = academic success
- Where do I fit in this?
- Is it a saturated research field?
- Is there an aspect that is missing?
- May become evident in research discussions
- May become evident during clinical discussions
- May appear foreign/misplaced at first..
- De facto standard ... never challenged before
- Recognition is key



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Diversify Scholarly (Research) Interests

- Don't stick to one topic/area/approach
 - What will you do when this dries up?
 - What if the timeline is long (i.e. 10 yrs)
 - What if it is established to be harmful?
- Build on published success
 - Pursue follow up studies if there is appetite
 - Different aspects/facets/populations
 - Watch for "slicing the salami"
 - The smallest-publishable-unit strategy



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Career times when a wide scope should be pursued

- First faculty position / change of job
 - Building a contract
 - Strong negotiation position
 - · Seed money
 - Collaboration with partners, across divisions, departments, Schools
- Private to academic, academic to community
- Be willing to try; Be courageous to accept if the trial was not for you.



Perelman School of Medicine

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Build on existing (published) work

- You finally published the project... now what?
- Seek a multipronged approach
 - Basic science confirmation
 - Multicentered trial
 - Prospective version
 - New outcome; same populations
 - New population; same outcome
 - "How to session" at a national meeting
 - Course curriculum
 - Best practices review





Integrating your clinical strengths

- Build bridges between your two personas
- Can you be the go-to clinician and have the know-how in a specific field and also happen to have deeper research knowledge in that same field?
- Can you be officially certified
- le: geriatric, quality, palliative care
- Can you be cross appointed in that Department, School, University...





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Combine clinical reading with source of inquiry

- Every time you read an (clinical, research) article imagine what the next logical question(s) is and determine if doable by you, your institution, your registry etc.
- File away in your "research ideas" folder for later
- Always keep that folder close by consider having subfolders
- Pull it out when someone asks to "do research with you"







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Maximize new learning but leverage your background training/experience

ACQUIRE NEW

- CME courses
- Faculty development initiatives
- National Scientific Meetings

LEVERAGE EXISTING

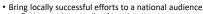
- What did you do in college?
 - Engineering
 - Business
 - Tutoring/teaching
- What did you try in med school?
 - Global surgery/medicine
 - Electives

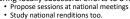


Convert administrative roles/duties into scholarly work – these are opportunities

- Kill 2 birds with one stone
 - You are asked to take over the med student curriculum

 - Prepare modules/lectures/sim sessions with "studyable" questions, surveys
 Align yourself with a colleagues/resident/fellow/med student/nurse/AP "champion"
 - Present/publish the curriculum as a pedagogical technique/effort
 - You are asked to take over the optimization in billing of your division
 You are asked to teach handoffs
 You're the new "quality" person
 You are now in charge of Simulation efforts







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What team? I don't have a team...

- Most of us don't have a dedicated Lab tech/ Research coordinator
- What do you have?
 - Residents / Fellows
 - Med students
 - Quid pro quo
 - Shadowing
 - Mentoring
 - YOUR time, your example



- Students in other Schools (Engineering, Business school)
- "Never" turn down an interested trainee/junior faculty.





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Offer the collaborator to be part of the "team"

- Could they be an author?
 - Of he national presentation?
 - Of the manuscript
- Trainee collaborators
 - Mentorship
 - Shadowing
- Seek more junior members under the "senior" collaborator
 - They may benefit much more and will likely get the work done
 - le: mentoring one of your colleagues' mentees



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Always reward those that work hard

- Authorship order
- Presentation opportunities
- Write an unsolicited letter of reference
- Take time to recognize staff that helped in non scholarly issues
 - Admin assistant/secretary
 - Lab manager
 - Research coordinator





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Doing the work

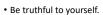
- Never turn down someone who seeks you out to do research
- Overseas research trainees
 - Motivations
 - Clarity
 - Self paid
 - 2nd year scholarships
- Watch for hostile emails
 - Appear like mass email





17

Pearls of introspection in academic research



- Don't overstate your strengths
- Recognize your weaknesses and work to rectify them
- Understand that your strengths may be fluid
- Be flexible in the direction of your scholarly work
- Diversify
- Accept (seek) advice
- Be open to new opportunities





Thank you

- 1) One very successful approach for junior faculty to employ when choosing scholarly projects,
- A) Is to only pick those aligned with his/her expertise
- B) Is to pick only those that he/she finds interesting
- C) Is to pick those related to existing work
- D) Is to pick only those that he/she is forced to do by division chief
- E) Is to pick only projects that brings dollars to the investigator
- 2) Regarding assistance for scholarly projects in junior faculty without research protected time
- A) Only use fellow or resident physician level collaborators
- B) Never use undergraduate, graduate and medical students their projects don't get published
- C) Might as well forget it no student is interested in working with junior faculty without pay
- D) Undergraduate students never give faculty projects a successful ending
- Summer students working with you can result in peer reviewed publications

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Content not supported by my funders

I receive a consulting fee from Johnson & Johnson for serving on a fragility fracture advisory board

THE OHIO STATE UNIVERSITY
WEDNER MEDICAL CHITER

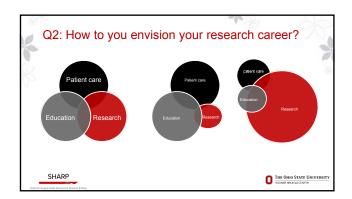
Step 1 Answer the following questions: How do you define your research? How to you envision your research career? What resources do you need to succeed?

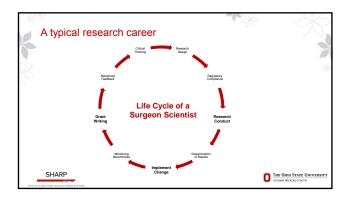
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Shared attributes of research • All 3 methods are real science - Shared methodologic rigor - Different tools • None are hobbies done on nights and weekends • All 3 require: - Time - Skills - A team to support YOU – the PI



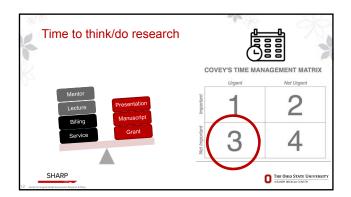


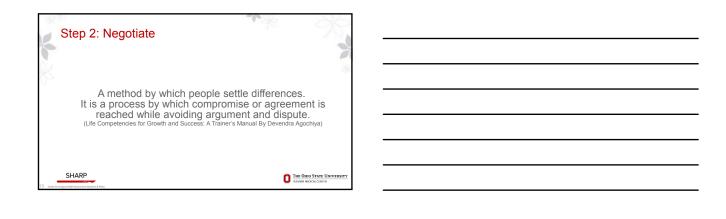


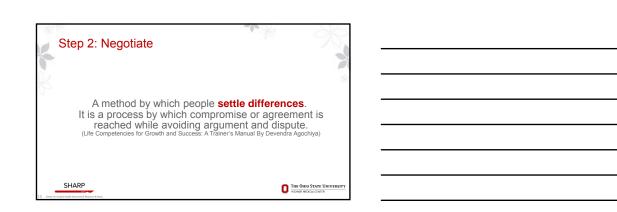






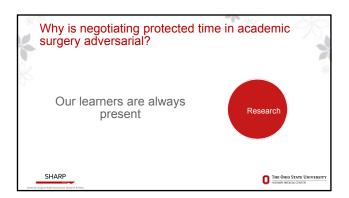










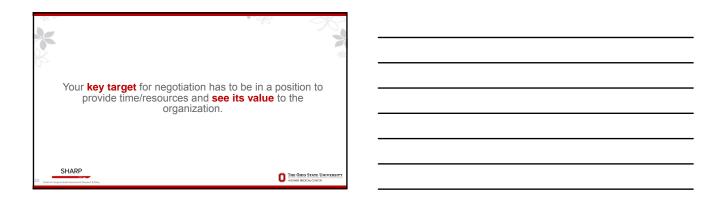








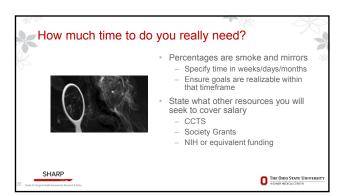
With whom should you negotiate? Dean? Chair? Division Chief? Depends on who has the resources to support your needs If you are jumping rank, make sure your other leaders know and are supportive Practice negotiating with these other people











What will you be doing, when, and how?

- · Clear set of deliverables
- Annual goals
- X papers/presentations year
- Benchmark achievements
 - K-award by year X
 - R01 by year Y
 - Promotion by year Z
- Ask for and justify the other resources your will need
 - Budget justification

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Step	Mismonic		Description	
1	S	pecific	County what is it you want to achieve in your business and to what extent? A good objective statement or god should arrow the question "which, what, who, where, when, why?"?	
2	М	easurable	The need to be able to track the progress and measure the outcome. A good objective statemer should answer the question "how much or how many"?	
3	A	ction oriented	Say what you are going to Its. A good objective statement should describe a result.	
4	R	ealistic & Relevant	The objective should be disaftenging but realists and also relevant to plur business. Objectives may appear optimists initially, but as you develop strategies to achieve their they become realists.	
5	Т	ime based	Objectives should reclude a time limit. A good objective shirtenest should include "By when" do you work to achieve poor result?	



How will your department benefit?

- · Increase in research output
 - National presentations
 - Publications
 - Grant funding

 - Know your dept Blue Ridge ranking
 Know how many funded researchers
- Resident mentorship
 - Where do they do research now?
 - Can you provide another compelling option?



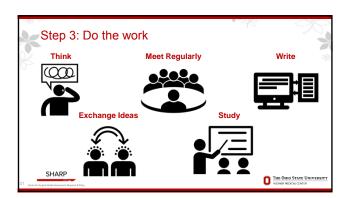


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Present your **authentic self** as a surgeon and as a researcher, share your passion, state your case, and acknowledge that you realize this is an investment (and that you will garner ROI).

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Utilizing Unpaid Volunteers

D. Dante Yeh, MD, FACS, FCCM Associate Professor of Surgery Ryder Trauma Center University of Miami

1

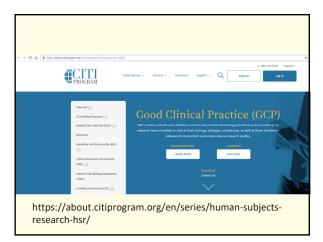
- ▶ Before They Volunteer
 - Assess their motivation
 - ▶ Understand their motives
 - ▶ Understand their capabilities
- ▶ While They're Volunteering
 - ▶ Data verification
 - ▶ Weekly reports
- After Volunteering
 - ▶ "Exit" interview

2

Before They Volunteer

- Assess their motivation
 - ▶ Don't waste your precious time!
 - ▶ A significant proportion will not have the "grit" to pass the first test
 - ▶ How to separate the wheat from the chaff?







Before They Volunteer

- Understand their motives
 - ▶ Letter of recommendation
 - ▶ Research publications
 - Exposure to the field
 - ▶ Learning research techniques
 - Can be done as an email or a 15-min meeting
- Understand their capabilities
 - ▶ Set realistic goals appropriate to their skill and timeframe

7

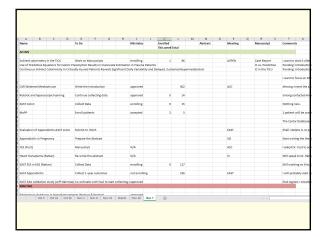
While They're Volunteering

- Data verification
 - Always, Always, ALWAYS check their data for the first couple records
 - Do a random "spot check" about a week later
- Make it a priority to attend to their tasks (ex: manuscript drafts) so they are not waiting on you

8

While They're Volunteering

- Weekly reports
 - Very helpful to stay organized and track their progress



After They Volunteer

- Exit interview
 - ▶ How was the experience?
 - ▶ How can we improve it for the next volunteer?
 - ▶ For the excellent volunteers:
 - Make a list and set a reminder to check in with them once a year to see how they're doing

- ▶ Before They Volunteer
 - Assess their motivation
 - Understand their motives
 - ▶ Understand their capabilities
- ▶ While They're Volunteering
 - ▶ Data verification
 - Weekly reports
- After Volunteering
 - "Exit" interview

Handling Difficult Situations

Robert D. Winfield, M.D., FACS
Division Chief, Acute Care Surgery, Trauma, and Surgical Critical Care
Director, Trauma Research
The University of Kansas Medical Center



KU MEDICAL CENTER The Insider's Guide to Kickstarting Your Research Career: What No One Ever Tells You About Becoming a Surgeon-Scientis 32nd Annual EAST Annual Scientific Assembly January 16, 2019

1

Disclosures

- No financial disclosures
- The views expressed here do not constitute legal advice by me or the University of Kansas Medical Center



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2

What do you do?





What do you do?	
The University of Kansas	
	-
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4	
What do you do?	
Your fledgling research program has managed to secure two research	
assistants and you're running your first funded clinical trial. One of the research assistants has difficulty completing data entry correctly	
and has failed to respond to trauma activations to collect blood samples for the trial. When you confront him about his poor	
performance, he displays erratic repetitive movements and begins to	
cry before indicating that "we're not really doing research anyway", which is nonsensical to you. The University of Kanus	
requirery vicinity	
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5	
What issues are in play in this scenario?	
What issues are in play in this scenario:	
The University of Kansas	
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What issues are in play in this scenario? • Poor performance • Data entry issues KU MEDICAL CENTER 7 What issues are in play in this scenario? • Poor performance Data entry issues Not fulfilling job duties Missing potential study samples by not responding to trauma activations KU MEDICAL CENTER 8

What issues are in play in this scenario?

- Poor performance
- Not fulfilling job duties
 - Missing potential study samples by not responding to trauma activations
- Is mental illness playing a part?
 - Erratic repetitive movements

 - Tearful response Nonsensical statement



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What issues are in play in this scenario? Poor performance Outs entry issues Not fulfilling job duties Missing potential study samples by not responding to trauma activations Is mental illness playing a part? Firstic repetitive movements Standir response Nonsensical statement Is substance abuse an issue? KUNNEAL Courses of action

Courses of action

• Fire the research assistant on the spot.



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Courses of action

- Fire the research assistant on the spot.
- Refer the research assistant for psychological counseling.



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13

Courses of action

- Fire the research assistant on the spot.
- Refer the research assistant for psychological counseling.
- Document the continued poor performance and confer with human resources.



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14

Courses of action

- Fire the research assistant on the spot.
- Refer the research assistant for psychological counseling.
- Document the continued poor performance and confer with human resources.
- Keep the research assistant in spite of poor performance; having someone is better than having no one.



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Handling the Disruptive/Poorly Performing Employee

 Be proactive – create and share a policy explaining the types of behavior that are not acceptable before you ever face this issue



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16

Handling the Disruptive/Poorly Performing Employee

- Be direct, but supportive, about behavioral and performance issues
 Give the person a chance to correct
- Document repetitive issues (dates, times, details)
- Talk to Human Resources about institution-specific policies and protocols



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Handling the disruptive/poorly performing employee with suspected mental illness

- Know that individuals with diagnosed mental illness may have protection under the Americans with Disabilities Act
- \bullet This does not mean that poor performance must be tolerated



Handling the disruptive/poorly performing employee with suspected mental illness

- If mental illness is claimed as justification for disruptive behavior or poor performance:
 - Employers have the right to request certification or a second opinion for confirmation
 - Documentation of failure to fulfill essential job duties can provide the information necessary to defend a firing



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Handling the disruptive/poorly performing employee with suspected substance abuse

- The same principles apply the ADA protects employees from being terminated solely for a substance abuse disorder; however,
- Documented poor performance/failure to fulfill essential duties is still grounds to terminate under these circumstances



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Handling the disruptive/poorly performing employee with suspected mental illness or substance abuse

- Do not attempt to make a diagnosis!
- Know about resources that exist in your institution for people suffering from these conditions
- Have an open dialogue that encourages the employee to request support or accommodation



What do you do? KU MEDICAL CENTER 22 What do you do? You oversee a research team comprised of eight members, including a research program manager and seven research assistants. One of the research assistants is consistently late and her work product is consistently poor. You have documented the concerns regarding the research assistant and are preparing to confront her regarding this poor performance when you are notified by human resources that she has filed a sexual harassment complaint against your research program manager. program manager. KU MEDICAL CENTER 23 What issues are in play in this scenario? • Poor performance/Failure to fulfill essential job duties

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What issues are in play in this scenario? • Poor performance/Failure to fulfill essential job duties • Are these related to sexual harassment in the workplace?		
KU MEDICAL 25	The University of Konsss	
What issues are in play in this scenario?		
Poor performance/Failure to fulfill essential job duties Are these related to sexual harassment in the workplace? Sexual harassment allegation		
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26		
Courses of action		
KU MEDICAL	The University of Kansas	

Courses of action • Fire the research program manager on the spot. The University of Roma Course Asserth Program 28

Courses of action

- Fire the research program manager on the spot.
- Fire the research assistant for poor performance.



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Courses of action

- Fire the research program manager on the spot.
- Fire the research assistant for poor performance.
- Fire both the research program manager and the assistant.



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Courses of action

- Fire the research program manager on the spot.
- Fire the research assistant for poor performance.
- Fire both the research program manager and the assistant.
- Suspend the research program manager while awaiting word from human resources regarding their assessment of the situation.



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Courses of action

- Fire the research program manager on the spot.
- Fire the research assistant for poor performance.
- Fire both the research program manager and the assistant.
- Suspend the research program manager while awaiting word from human resources regarding their assessment of the situation.
- Suspend both the research program manager and the research assistant while awaiting word from human resources regarding their assessment of the situation.



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Addressing harassment of, or by, an employee

- Reporting this to the appropriate institutional office, whether witnessed or rumored, is mandatory.
- This should be kept confidential.
- Assure the person reporting that their concern will be addressed per institutional protocols and that they are safe from retaliation.
- Notify the accused that a harassment complaint has been made against them and that an investigation will follow per institutional protocols.



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Addressing harassment of, or by, an employee

- Abide by the process and decision of the institution, but regardless of the outcome, use this as an opportunity to remind employees of policies regarding harassment.
- Continue to observe for behavior consistent with harassment.
- Observe for behavior consistent with retaliation.



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34

Addressing harassment of, or by, an employee

- Do not fire an employee without an appropriate report or investigation into the complaint.
- Talk with poorly performing employees about their poor performance it may unmask underlying issues.
- Behave with integrity in these situations.



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If you have to fire an employee...



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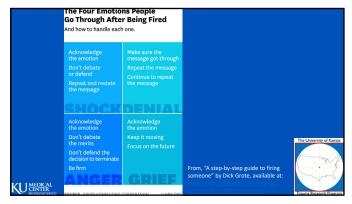
If you have to fire someone on your team:

- Think through the "what ifs" that may result from a termination and how you would answer for your actions in court.
- Work with HR to ensure that the termination is being done in a manner consistent with institutional policy/practice.
- Be direct and brief with the individual about why they're being fired and that it's done.
- Prepare for the response of the person, listen, cover essentials (pay, benefits, etc.), and end with dignity (for them and you).



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What am I trying to achieve? And why?

Tanya L. Zakrison, MD, MHSc, MPH, FACS, FRCSC @tzakrison

1

Sir William Osler

The Academic Physician:

- 1. Researcher
- 2. Clinician
- 3. Teacher

AKA the "triple threat"

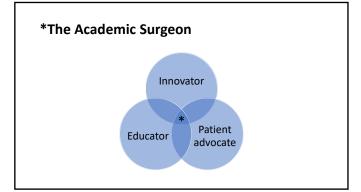




Seven attributes of the archetypal academic surgeon:

- 1. Identifies complex clinical problems ignored or thought unsolvable
- 2. Becomes an expert
- 3. Innovates to advance treatment
- 4. Observes outcomes to further improve and innovate
- 5. Disseminates knowledge and expertise
- 6. Asks important questions to further improve care
- 7. Trains the next generation of surgeons and scientists

4



5

But lots of pressure not to be one

- NIH funding to surgical department in decline
 - Overall NIH funding increasing
- Less basic and translational research
- 1. Excessive clinical & revenue demands
- 2. Challenging funding environment
- 3. Insufficient protected time
- 4. Excessive administrative duties

 _		

While many papers support the HOW few support the WHY

- Lots of 'roadmapping' and 'SMART' goal setting
- Mentorship & sponsorship
- But not much on what you want to achieve or why

7

The Why Is Deeply Personal

"I wanted to take the hardest, highest, most complex road to serve patients that I could find. I structured a detailed 60-year plan very early."

"My vision was based on the very sickest of complex patients, operate faster than peer surgeons, and have the best results, tabulate and destroy dogma. I wanted to find errors in clinical practice guidelines."

Dr. Ken Mattox

8

Ask why & think outside of the box = Different for everyone



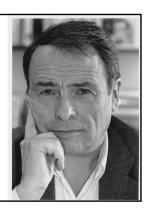


Told to "do research" You identify a gap / niche in the literature You want to become the local / national / international expert on a topic Intense desire to know why a phenomenon occurs

10

Caution! Symbolic Capital

- Pierre Bourdieu
- French sociologist & philosopher
- Capital amassed by individuals recognized by elites as important
 - Research papers & grants
- Symbolic capital \propto elite status
- Likely not enough to sustain a research career given current day barriers



11

What are you trying to achieve?

- \bullet Observe & understand phenomena & their outcomes
 - Patient or population level
- Improve processes of care: Quality Improvement & Patient Safety
- Dis/prove a "political" perspective
 - · Law enforcement violence
- Change society: academics as activists
 - You see a grave injustice

What is your goal?

- Individually?
- Collectively?
- Within institution?
- Outside institution?
- Unidisciplinary?
- Multidisciplinary?
- Transdisciplinary?

How does this fit into your overall vision?

Or that of your division, institution or global network?

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Micro

- Molecular or cellular level
- Animal Models
 - Individual patients
 - N = case series
 - K23

On What Level?

- Multicenter, global trials
- Population health

Macro

- N = big data • Multiple, large R01s
- H index

		_
Research may be		
Beneficial to your career	Harmful to your career	
Academic		
freedom		

Research may also threaten your livelihood, safety or life



"I'm a scientist who has gotten death threats. I fear what may happen under Trump."

• Michael E. Mann, professor of atmospheric science and director of the Earth System Science Center at Penn State University, Washington Post, Dec.

16

Brief Communication

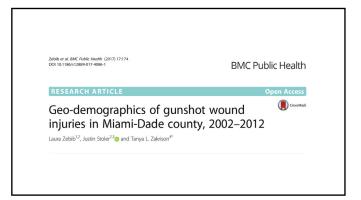
The Prevalence of Psychological Morbidity in West Bank Palestinian Children

 $Tanya\ L\ Zakrison, MHSc, MD^1, Amira\ Shahen^2, Shaban\ Mortaja^2, Paul\ A\ Hamel, PhD^3$

Objectives: To determine the prevalence of psychological morbidity among Palestinian children living in the southern Bertheldeen District of the West Bank during July 2000.
Methods: We understook a descriptive study using the Rutter A2 (parent) Seale to determine psychological morbidity. This questionnate comprises 31 questions that were answered by a parent of the 28th subject children (ages for 13 years). We selected subject in the southern region of Bethelsen. We shall be (2022 Sociesconomic Adversities Questionnaire to determine differences in excomonic status among families.
Results: For all families interviewed, the Bank. We used the Gaze Sociesconomic Adversities Questionnaire to determine differences in excomonic status among families.
Results: For all families interviewed, the father was employed, some were receiving financial assistance, and all but I owned their own house. The results of the Rutter A2 Scale revealed a rate of psychological morbidity dermined, among Palestinian children. The rate for boys was 46.3% and for gifts, 37.3%.
Conclusions: The prevalence of psychological morbidity dermined independently for children in face during 2000. We predict that these rates will have increased substantially owing to the escalated evel of psychological morbidity dermined independently for children in Gaza during 2000. We predict that these rates will have increased substantially owing to the escalated content of the content of the content of the content of the desired face of the children in Gaza during content of the content of th









Opinion

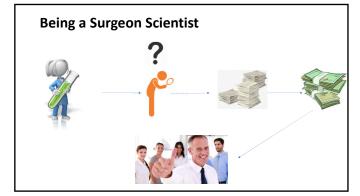
Hate and the Health of Populations

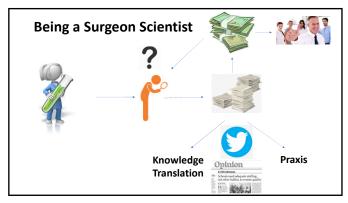
JAMES M. SHULTZ,* TANYA L. ZAKRISON,† and SANDRO GALEA ‡

*Center for Disaster & Extreme Event Preparedness, University of Miami Miller School of Medicine; [†]Ryder Trauma Center, University of Miami Miller School of Medicine; [‡]School of Public Health, Boston University

> The Milbank Quarterly, Vol. 00, No. 0, 2018 (pp. 1-5) © 2018 Milbank Memorial Fund. Published by Wiley Periodicals Inc.

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Norman Bethune – Canadian Thoracic Surgeon

- Born Gravenhurst, ON in 1890
- \bullet Graduated from U of Toronto, thoracic surgery
- Contracted TB, used PTX as treatment
- \bullet Developed new surgical tools still in use
- Bethune rib shears
 Focused on treating the poor during the Great
- Helped establish socialized medicine in Canada
- First mobile blood transfusion unit in Spain in 1936
- Died from sepsis at the age of 49 in China



25

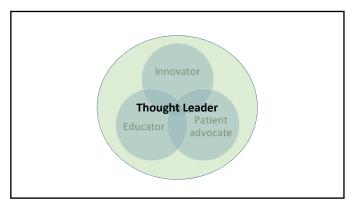
Dr. Norman Bethune

"Medicine, as we are practicing it, is a luxury trade. We are selling bread at the price of jewels. ... Let us take the profit, the private economic profit, out of medicine, and purify our profession of rapacious individualism ... Let us say to the people not 'How much have you got?' but 'How best can we serve you?'"

1938









Find your personal why	
31	
Thank you tzakrison@icloud.com @tzakrison	