@LeBonheurChild @SurgeryUTHSC @AshGosain





Managing Time and Expectations: Surgeon and Scientist

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Affiliate Physician St. Jude Children's Research Hospital

26 October 2019





• I *do not* have any relationships with commercial interests to disclose.

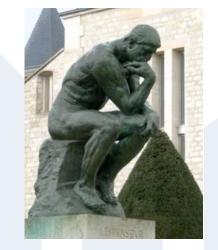
 Many extremely talented and organized surgeons have given talks like this before me. I have benefited from many of their concepts and some of their slides.

Surgeons are ideally suited to Research

- Hard workers we don't have a 9-5 mentality
- Decisive we get things done
- Surgeons can focus clear and directed thinking
- Attention to detail
- Problem solvers
- Perseverance
- Great Instincts about what will and wont work.
- Relevance we know surgical disease

"We have the surgeon personality"

- K.Craig Kent, MD



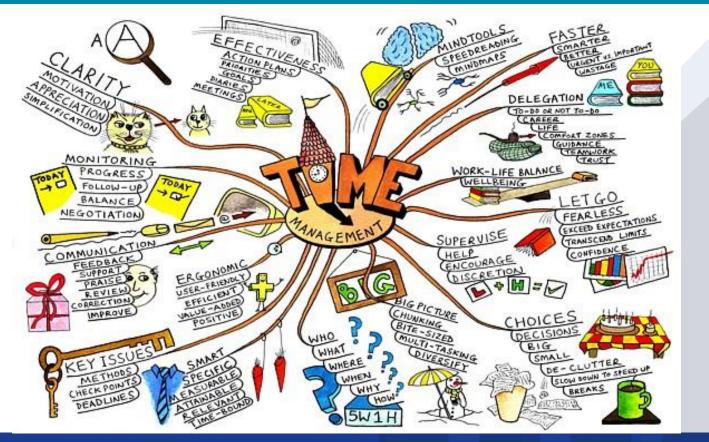






Time Management





AAS Association for Academic Surgery 9/6/12 Rea DDY Va you LOVE [elly In CAU Real Property how MOE MUC You ha Work! K************************

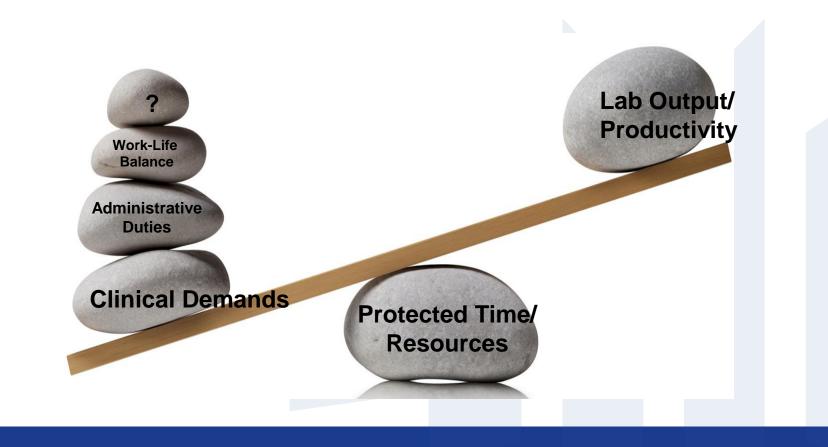
Work-Life Balance?





The Balance of Time Management





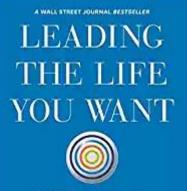


Balance is bunk. It's a misguided notion that assumes we must always make trade-offs among the different aspects of our lives.

Stuart D. Friedman

September 2014 Harvard Business Review

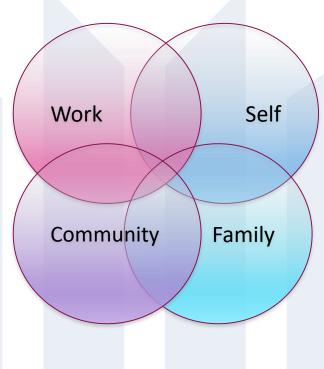
Work-Life Integration: Four-Way Wins Min AAS



Skills for Integrating Work and Life

STEWART D FRIEDMAN bitker of Iotal Leadership

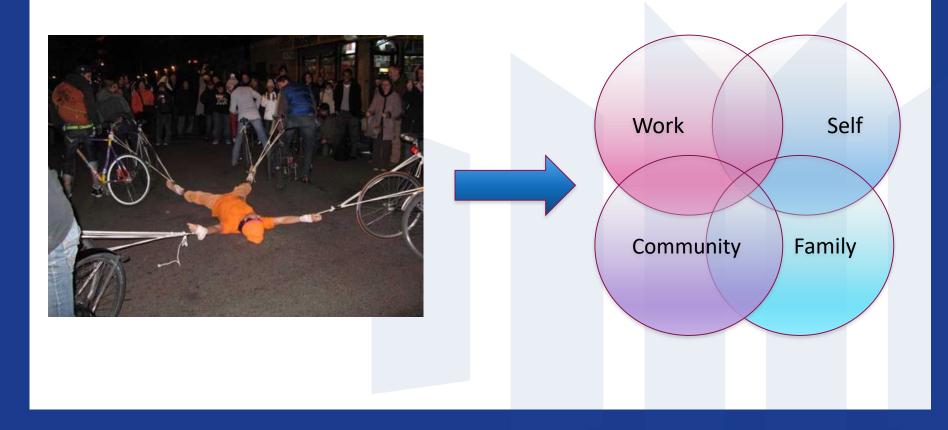
- 1. Be Real
- 2. Be Whole
- 3. Be Innovative



* Caveat: There are many prioritization schemata, this is just one that is currently working for me.

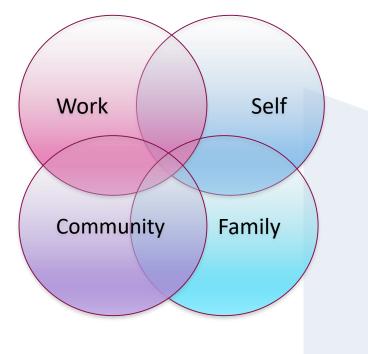
How do you get from A to B?





Know what matters





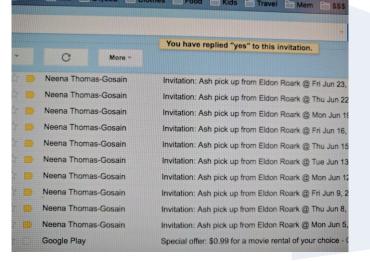
1. Be Real

- Start with 100 points
- Allocate points to each of the 4 circles based on how you value them
- Separately, allocate points to the 4 circles based on how you spend your time
- Are they the same?

1. Be Real Align actions with values



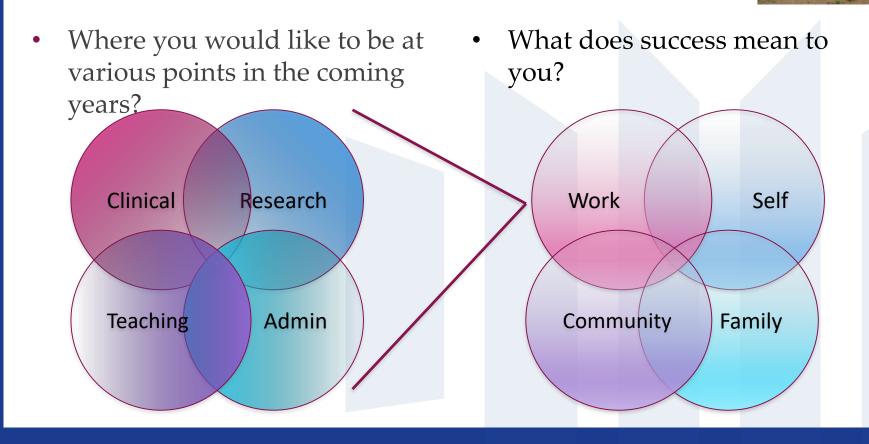
• If work meetings aren't malleable, why should family time be?





- Drive kids to school 3-5x/week
- Red-eyes whenever possible

Know where you want to go



1. Be Real Embody values consistently

2 Springer



W Th Μ Tu F Success in Academic Surgery AM **OR or Clinic** Lab Conferences Lab Lab Melina R. Kibbe Scott A. LeMaire Editors Success in PM Lab **OR or Clinic** Clinical Lab Lab Research, Academic Surgery: Meetings **Basic Science**

Allocate your time to what is important

1. Be Real Hold yourself accountable



1/6/12 Par Party ± LOVE You and Im Party Sorry Of how more much you have to Work: Love Soria	

- 3 Offices
 - Clinical
 - Lab
 - Home



- Nights away
 - 01/2016-04/2016: 15 days away
 - 01/2017-04/2017: 6 days away
 - 01/2018-04-2018: 8 days away

2. Be Whole

Help others





2. Be Whole Manage boundaries intelligently



					3	Academic Surgery
	М	Tu	w	Th	F	Sacrosanct times
AM	Lab	OR or Clinic	Conferences	Lab	Lab	Lab Meeting Formal presentations
PM	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab	Clinic Teaching residents Our Pediatric Surgery Team
syste	RMING	Pediat	o, 2nd Floor 138105 37-6031 87-6446 08-8691 1434	TEN		<image/> <image/> <image/> <image/> <complex-block><complex-block><table-row><table-row></table-row></table-row></complex-block></complex-block>
					N-	Cell: (901) 545-5997 Active Tennis Company Cell: (901) 255-5099 Active Tennis Company Cell: (907) 257-3146 Active Tennis Cell: (901) 255-5099 Active Tennis Cell: (901) 255-509 Active Tennis Cell: (9

2. Be Whole Weave disparate strands





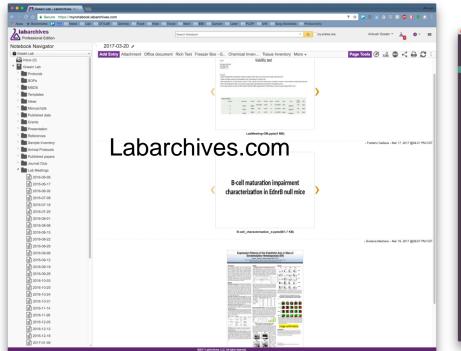




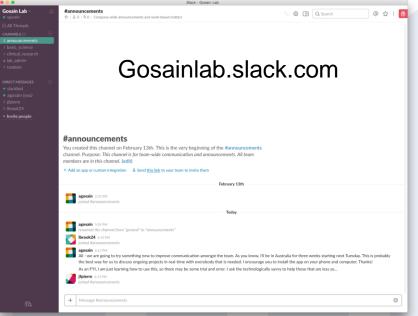
3. Be Innovative Focus on results



• Goal: Never miss lab meeting



• Goal: Decrease email without sacrificing responsiveness



3. Be Innovative Resolve conflicts among domains

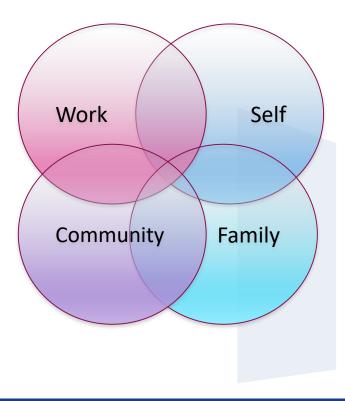


- Both spouses on call on a weekend
- Meeting during school breaks

Grant deadlines during Spring Break







Be Real
Be Whole
Be Innovative



Pearls Resident Research Years -> Early Faculty Years

Time Lapse of Gosain Lab @ 0600-0855



Association for Academic Surgery

Be Here Now.

Tips for Success in Research Years

- **1.** Mentorship
- 2. Submit abstracts & attend conferences
- **3.** Pick a subject matter that interests you and will help patients
- 4. Consider advanced degrees



Jonathan Abelson, MD @jabelsonmd

5. Enjoy life

http://www.aasurg.org/blog/entering-research-years-surgery-residency-top-5-pieces-advice/







Laura Stafman, MD @Istafman

- 1. Guide your path to success by optimizing your rotation schedule.
- 2. Operate, operate, operate.
- 3. Ask questions.
- 4. Don't beat yourself up.
- 5. Take time to live life.

https://www.aasurg.org/blog/returning-surgical-residency-research-years-top-5-pieces-advice/

Bridging Research Fellowship to Faculty Position



BASIC & TRANSLATIONAL RESEARCH

LOCATION: Elizabethan C MODERATORS: Priya Dedhia, MD, PhD & Irena Gribovskaja-Rupp, MD

What Do I Need In My First Job To Succeed? - Christina Angeles, MD

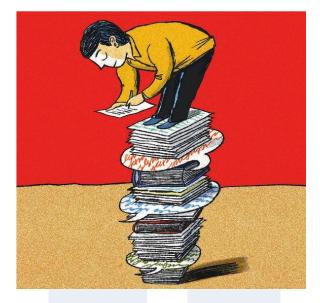
Am I Worth Investing In: Establishing A Track Record -Filip Bednar, MD, PhD Mentorship: Where to Find It? -Richard Burkhart, MD



Christina Angeles, MD @cvangelesMD

Junior Faculty: Developing Your Research Brand





"Get good results, publish papers, and give talks that all map to your theme."

McDonnell, Science 2015.

Faculty: The Only Problem is that We are Surgeons!

• The clinical work is easy, its getting to the lab that's the hard part.



Tim Crombleholme Surgeon-in-Chief Colorado Children's Univ of Colorado

Brad Warner Surgeon in Chief St. Louis Children's, Wash U SOM

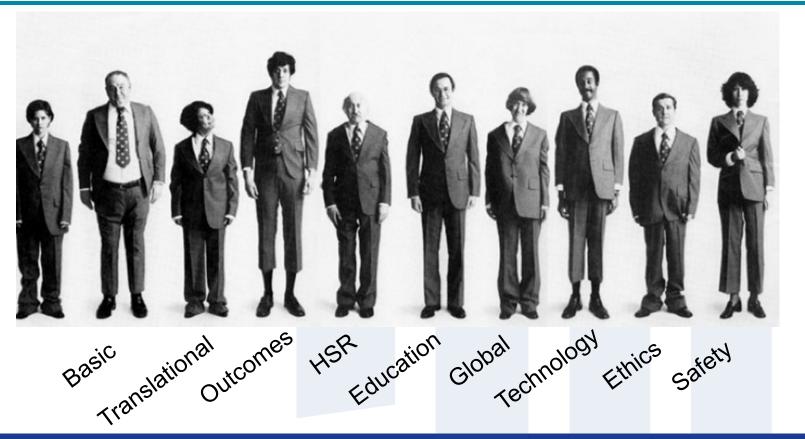


 The time you spend at work after training doesn't get any shorter, but at least you make your own schedule.



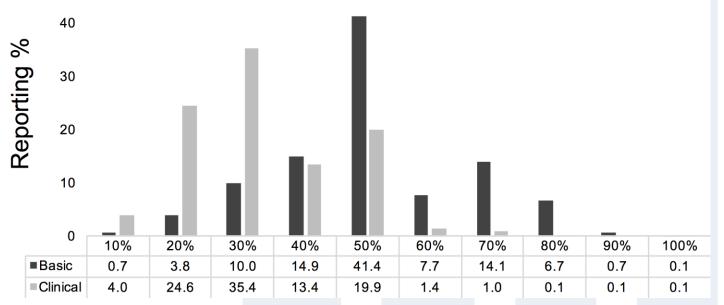
One Size Does Not Fit All







50 Perceived Minimum Percent Protected Time to Succeed in Basic Science & Clinical Research



Data from Sundeep Keswani, MD; see Keswani, et.al. Ann Surg 2016.

Protect your time! Minimize Context Switching



	М	Tu	W	Th	F
AM	Lab	OR or Clinic	Conferences	Lab	Lab
PM	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab



	М	Tu	W	Th	F
AM	Lab	OR or Clinic	Conferences	Lab	Lab
PM	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab

- Monday
- AM: Lab meeting
 - Beginning of week to allow weekend to generate data & prepare presentations
 - Rest of week to carryout experiments
 - Individual meetings
- PM: Reading/writing



	М	Tu	w	Th	F
АМ	Lab	OR or Clinic	Conferences	Lab	Lab
PM	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab

- Tuesday
 - Odd weeks OR block
 - Even weeks Clinic
 - Use all of this time! (EMR, Reviews, Evals, etc.)
 - Late day if necessary
 - Anticipate missing dinner





		М	Tu	w	Th	F	
	AM	Lab	OR or Clinic	Conferences	Lab	Lab	
	РМ	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab	
Wednes	day (<u>the</u>						
AM: Fellowship conferences							
• Mis	s for OR if n						
PM: Wee	kly meetir	ngs					

- Meet with admin 1x/month what is working, what isn't
- Clinical research fellows

- Time that my admin can schedule into without asking me



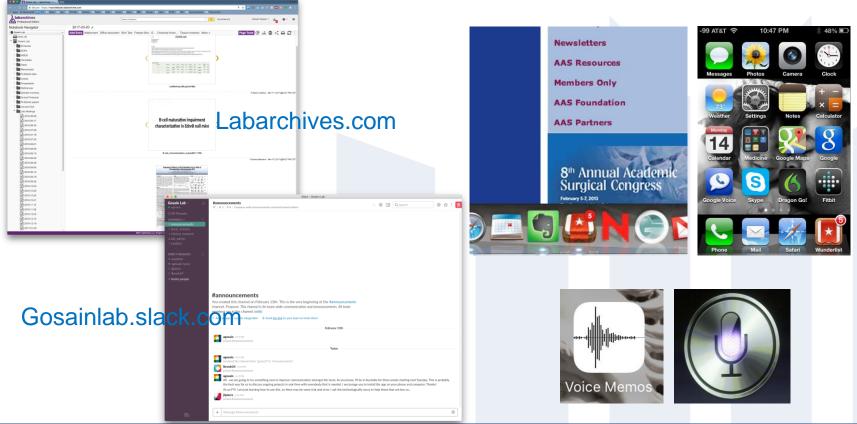
	М	Tu	w	Th	F
AM	Lab	OR or Clinic	Conferences	Lab	Lab
PM	Lab	OR or Clinic	Clinical Research, Meetings	Lab	Lab

- Monday, Thursday, Friday
 - Protected Research Days: Avoid non-research activities
 - Do experiments
 - Data analysis
 - Read
 - Write
 - THINK!!!!!!

Improve Efficiency - Utilize







Secure Research Space



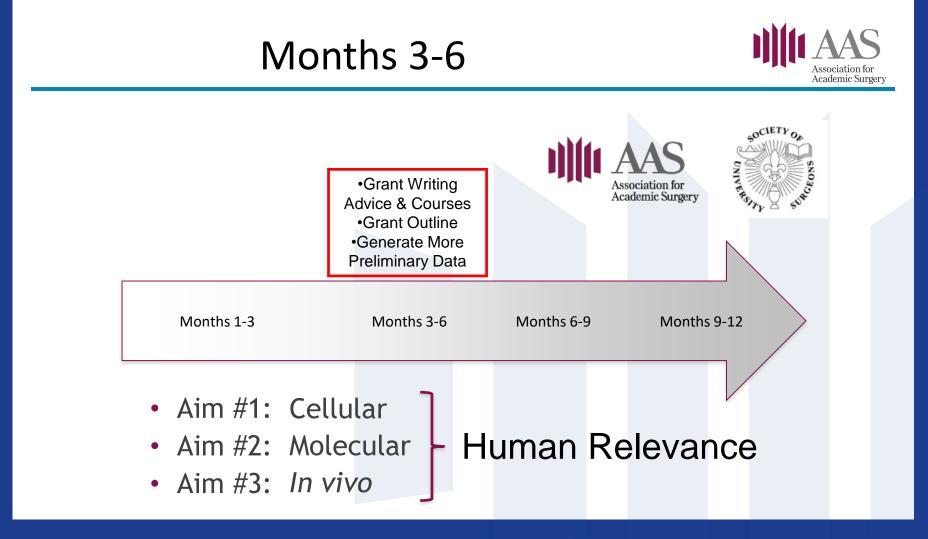


- Initial lab space in mentors lab
 - Help for training technician/staff
 - Starting new assays
 - Fully equipped
 - Away from clinical service
 - Saves time awaiting protocol approvals
- Move to your own space in 2-3 years
- Lab and Office must be in close proximity

Months 1-3

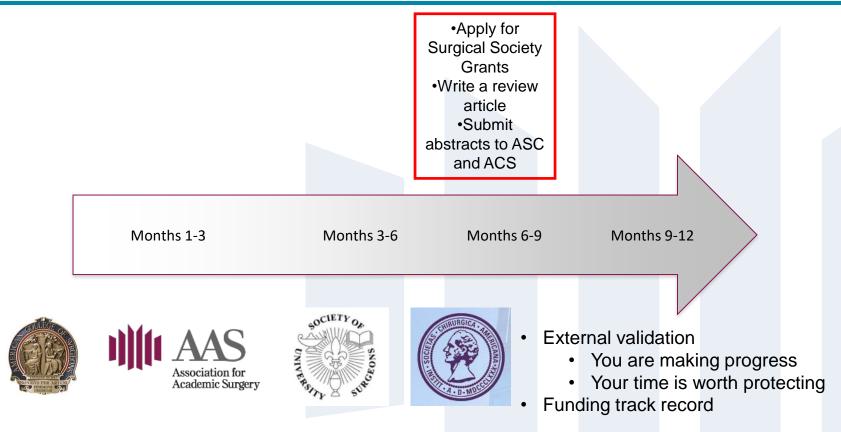






Months 6-9





Months 9-12





K award is the gateway grant: 63% of K-awarded pediatric surgeons transitioned to an independent NIH award mechanism

Much more granular details...



AAS BTS Faculty Timeline

YEAR 0	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Identify research area	0	0	0									
Find a job/Identify primary research mentor				0	0	0	0	0	0	0	0	0
Background reading on mentors' lab focus and your idea										0	0	0
YEAR 1	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Secure research space with your mentor (link to paragraph about space)	0	0										
Arrange your schedule (link to paragraph about schedule)	0	0										
Commit to a time/task management system	0											
Start learning techniques from mentors' personnel	0	0	0									
Generate your protocol book	0	0	0	0	0	0	0	0	0	0	0	0
Learn institutional biosafety and animal care process	0	0	0									
Identify 1-2 Basic Science Societies to join/participate in	0	0	0	0	0	0						
Write a grant outline				0	0							
Begin to identify societal funding opportunities				0	0	0						
Attend AAS Fall Courses				0								
Write a review on your focus area				0	0	0						
Apply for societal funding							0	0	0			
Submit an abstract to the ACS									ō			
Attend Gordon Conferences in your field												0
Relevant Abstract Deadlines		ASC		APSA	AACR	DDW			AAST/ACS			
YEAR 2	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Attend Gordon Conferences in your field	0	0										0
Revisit your time/task management system (annual)	0											
Submit progress reports to funding agencies	0											
Submit an NIH K-series award		0	0	0								
Submit an abstract to the ASC		0										
Publish papers with mentor				0	0	0	0	0	0			
Seek out Reviewer opportunities							0					
Submit an abstract to ACS									0			
Relevant Abstract Deadlines		ASC		APSA	AACR	DDW	_	ASC	AAST/ACS	_		
YEAR 3	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Attend Gordon Conferences in your field	0	0										
Secure research space near your mentor	0											
Arrange your schedule (link paragraph about schedule)	0											
Revisit your time/task management system (annual)	ō											
Submit progress reports to funding agencies	ŏ											
Submit an abstract to the ASC	-	0										
Publish papers with mentor		Ū		0	0	0	0	0	0			
Submit an abstract to ACS				Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	õ			
Relevant Abstract Deadlines		ASC		APSA	AACR	DDW		ASC	AAST/ACS			

A Roadmap for Aspiring Surgeon-Scientists in Today's Healthcare Environment

Allan M. Goldstein, MD,⁺ Alex B. Blair, MD,[†] Sundeep G. Keswani, MD,[‡] Ankush Gosain, MD, PhD, Michael Morowitz, MD,[¶] John Kuo, MD, PhD,^{||} Matthew Levine, MD, PhD,^{**} Nita Ahuja, MD,^{††} and David J. Hackam, MD, PhD^{±‡}, Basic Science Committee of the Society of University Surgeons

TABLE 1. Timeline for the Initial Years of a Surgeon-
Scientist's CareerSurgeon-
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Early Years	Goals and Milestones
	Identify the scientific questions to be tackled
Year 1	Obtain skills necessary to achieve scientific goals
	Master the relevant literature and knowledge gap
	Begin to obtain preliminary data
	Hire a research technician and/or trainee or fellow
	Submit applications for institutional approvals
	Identify a team of mentors
	Attend research skills and grant writing workshops
	Start submitting grant applications
	Become active in national societies
Years 2–3	Identify collaborators
	Begin to publish initial manuscripts
	Maintain an up-to-date curriculum vitae
	Continue applying for research grants
	Participate in manuscript and grant reviews
Year 4 and beyond	Become familiar with requirements
	for academic promotion
	Be persistent and resilient!

Goldstein et.al. Ann Surg 2018.

Use the resources around you!

Current Challenges in Global

Surgery - Rebecca Maine, MD, MPH & Kristin Long, MD, MPH

MRA

Christopher Dodgion, MD, MSPH,

..... California Foyer



Association for Academic Surgery 2019 Fall Courses

30th Annual Fundamentals of Surgical Research Course

Saturday, October 26, 2019 The Westin St. Francis, San Francisco, CA

Richard Burkhart, MD

2:50 PM - 3:00 PM Break.

MD MPH

MD, PhD

Health Spending and Health

Cost Research - Hari Nathan,

MODERATORS: Fabian Johnston, MD, MHS and Vikas Dudeja, MD

4:00 PM - 5:00 PM JOINT KEYNOTE LECTURE: MENTORSHIP, RESILIENCE, AND FUTURE GROWTH

	Welcome & KICKOFF LE RESOURCES MODERATOI Optimizing I Managing P Managing T How Do I M Panel Discu	Introduction – Fabian Johnston, CTURE – Timothy Pawlik, MD, PhD 5 5. MS: Angela Ingraham, MD, MS & Vi the Mentor/Mentee Relationship copile and Projects – Carrie Lubit ime and Expectations – Surgeon ake 50:50 Work? Academic Produ ssion	MD, MHS & Vikas Dudeja, MD , MPH	ent – Christina Roland, MD, MS
				California Foyer
10:20 AM - 11:40 AM	METHODS.			California West
11:40 AM - 12:45 PM 12:45 PM - 1:45 PM 1:45 PM - 1:50 PM	Hypothesis Creating and Big Data and Panel Discur Lunch Breas MARKETINI MODERATOI Writing for I Research Ac How to Deli Grant Writin	Ik G. RS: Tasha Hughes, MD, MPH & Jos mpact – Justin Dimick, MD, MPH dvocacy – Adil Haider, MD, MPH ver an Effective Research Presen ng: Pearls and Pitfalls – Dorry Seg	D, MS jaz, MD, MPH WD, MS Trevino, MD tation – Caprice Greenberg, MD, tex MD, PhD	
1:45 PM = 1:50 PM 1:50 PM = 2:50 PM	BREAKOUT			California Foyer
BASIC & TRANSLA RESEARCH		CLINICAL/HEALTH SERVICES RESEARCH	EDUCATION RESEARCH	GLOBAL SURGERY RESEARCH
LOCATION: Elizabetha MODERATORS: Priya PhD & Irena Gribovsk What Do I Need In To Succeed? - Chris MD Am I Worth Investi Establishing A Trac Filip Bednar, MD, Pi Mentorship: When	Dedhia, MD, aja-Rupp, MD My First Job tina Angeles, ng In: tk Record - tD	LOCATION: California West MODERATORS: Karan Chhabra, MD, MS: & Stephanie Lumphin, MD Quality Improvement Research: A Primer - Nader Massarweh, MD, MPH Real World Evidence: Use, Misuse, and Ensuring High=Quality Output: From Databases – Rebecca Snyder, MD, Malu	LOCATION: Elizabethan B MODERATORS: Jeffrey Farma, MD & Grace MA, MD Building An Education Research Career - Britney Corey, MD Funding For Education Research - Brenessa Lindeman, MD, MEHP Building an Educational Betwareh Tang, Mendith	LO-KTION-Estabilition of MO. MODEXATOS Krain Long, MO, MOPK & Christopher Dodgton, MD, MSPK, MBA Getting Started in Global Surgery Research - Alexandria McDow, MD & S. Nabeel Zafar, MBBS, MPH Resources and Opportunities: Connecting Across the Globe -

Association for Academic Surgery 2019 Fall Courses

15th Annual Early Career Development Course

Saturday, October 26, 2019 The Westin St. Francis, San Francisco, CA

7:00 AM - 8:00 AM	Registration.						
3:00 AM - 8:05 AM	Welcome & Introduction - Shipra Arya, MD, MS & Catherine Velopulos, MD, MHS						
:05 AM - 8:25 AM	KICKOFF LECTURE: MENTORSHIP AND SPONSORSHIP - Justin Dimick, MD, MPH						
8:30 AM - 9:50 AM	MODERATORS: Joseph Phillips, MD & Julia Co Strategies to Find and Negotiate Your First Establishing Your Clinical Footprint and Une Being an Effective Educator as a Junior Fact. Being a Good Citizen and Leader in Your Ins Moderated Question and Answer	or Next Academic Position – Caprice Greenberg, MD, MPH Jerstanding Your Clinical Value – T. Cark Gambin, MD, MS, MBA Ity Member – Brenessa Lindeman, MD, MEHP Ittitution – Christopher Sonnenday, MD, MHS					
	Break	BREAKOUT SESSIONS					
TRADITIONAL EXT	RAMURAL FUNDING PATHWAY (K-R)	NON-TRADITIONAL RESEARCH PATHWAY					
LOCATION: California E MODERATORS: Lesly DC Finding Your Resear Funding Your Resear MD, MPH Making the Transitio Independence - Dor	ast ssett, MD, MPH & J. Joshua Smith, MD, PhD ch Path: What, Where, How? - Ulka Sachdev, MD rch: K and Early Career Grants - Carrie Lubitz, in from K to R: Establishing Research ry Segev, MD, PhD A, DOD, PCORI, Foundations - Nader Massarwel ⁴	LOCATION: Elizabethan C MODERATICRS: Elise Lawson, MD, MSHS & Hoytham Kaoforani, MD, MPH Education Research - Arghavan Salles, MD, PhD Global Surgery Research - Mamta Swaroop, MD Clinical Research - Cindy Kin, MD, MS Collaborative Translational Science - Dawn Coleman, MD Moderated Question and Answer					
	SUSTAINING AND BUILDING ON EARLY ST MODERATORS: Susan Pitt, MD, MPHS & Linds	UCCESSES. Colifornia Eas say Kuo, MD, MBA eties, Committees, Journals, and the Web – Karl Bilimoria, MD, MS poprtunities – Eugene Kim, MD					
:35 PM - 1:50 PM	Break						
:50 PM - 2:20 PM	SMALL GROUP SESSION: PREPARING AN I Introduction – Adil Haider, MD, MPH Small Group Breakouts – Instructions locate	ELEVATOR PITCH					
:20 PM - 2:30 PM							
2:30 PM - 3:50 PM							
		Catherine Velopulos MD, MHS					
8:40 PM - 3:45 PM	Closing Comments – Shipra Arya, MD, MS 8						
	Break						
3:40 PM = 3:45 PM 3:45 PM = 4:00 PM 4:00 PM = 5:00 PM	Break. JOINT KEYNOTE LECTURE: MENTORSHIP,	California Faye					
3:45 PM - 4:00 PM	Break JOINT KEYNOTE LECTURE: MENTORSHIP, Selwyn Vickers, MD						

We want your feedback! Please complete the course evaluation here: https://www.surveymonkey.com/r/fsrc2019eval

Research Team - Meredith

Sorensen, MD, MS

PANELISTS: Oluwadamilola Fayanju, MD, MA, MPHS; Ankit Bharat, MD; Genevieve Boland, MD, PhD; Susan Pitt, MD, MPHS

We want your feedback! Please complete the course evaluation here: https://www.surveymonkey.com/r/ecdc2019eval





Managing Time and Expectations: Surgeon and Scientist

Questions? agosain@uthsc.edu

