

Developing a Departmental Research Program

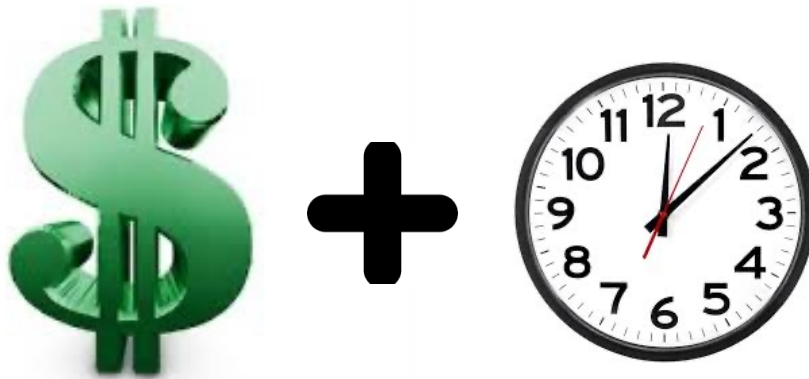
SAAPM

Dan E. Berkowitz, MBBCH

UAB HEALTH SYSTEM



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Future of Research in Anesthesia

ANYTHING AND EVERYTHING: *INCOPRORATES A WIDE RANGE OF DISCIPLINES*

- Precision Anesthesia
 - High resolution Waveform Analytics
- AI and Machine Learning
 - Predictive analytics
 - Real time monitoring and decision support
- Enhanced Non-Invasive Monitoring
- Telemedicine
- Pain / Opioid Alternatives
- Regenerative Medicine



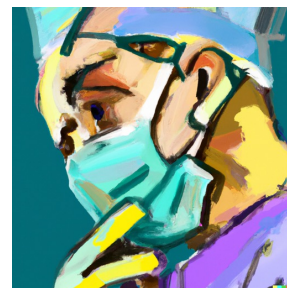
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Elements of Creating and Sustaining a Program

MAKE RESEARCH A PART OF YOUR CULTURE

- Defining a Vision for the Program
- Leadership and Governance structure
- Strategic Recruitment and Faculty Development
- Infrastructure and Resources
 - Funding
 - Facilities and "Equipment"
 - Support staff infrastructure



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Elements of Creating and Sustaining a Program (Cont)

- Collaboration and Partnerships
- Research Focus Areas and Prioritization
- Educational Integration and Trainee Engagement
 - The Systematic Training in Anesthesia Research (STAR) Program
 - Research Day
- Accountability, Metrics and Evaluation
 - Papers, Grants, Meeting Presentations
- Knowledge dissemination
- Sustainability and Growth
 - Build Endowments



RESEARCH DAY



Dr. Simon Gellman, guest speaker and previous chair of the department at Research Day 2022



2023 Research Day

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Adapting to Resource Limitation

- Seed Funding
- Research Focus Areas and Prioritization
 - Align Research with Clinical Activity
 - Quality
 - Operations
- Research “Facilities and Support”
 - Health Services Research: MPOG
 - Device Integration High Resolution Data: Sickbay
- Collaboration
- Measured Metrics and Deliverables



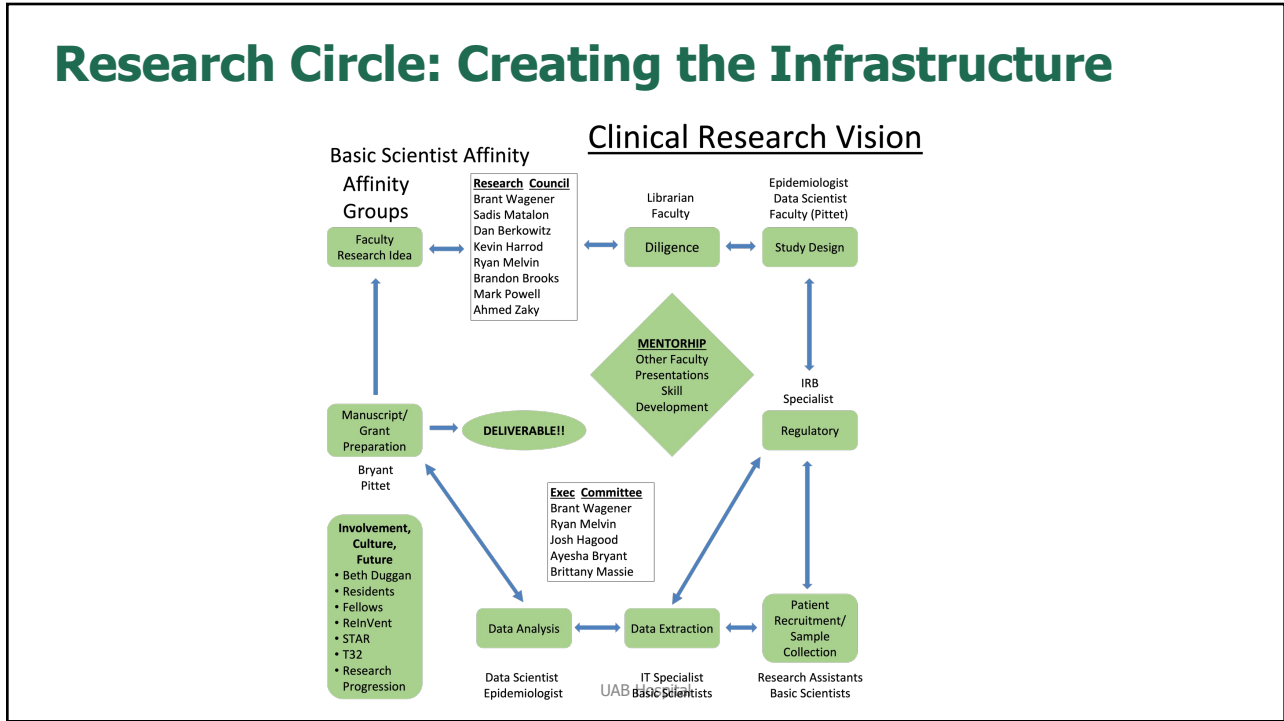
StAAR (Stimulating and Advancing ACCM Research)



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Research Circle: Creating the Infrastructure



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