# **Professional Development and Mentoring Committee**

# **Mission**

To provide the environment, counseling, encouragement and guidance for faculty in the Center for Musculoskeletal Research to become successful independent investigators.

## <u>Vision</u>

Faculty in the Center for Musculoskeletal Research represent some of the most highly respected and accomplished researchers in the field. The faculty group is interactive, supportive, collegial and aggressive in advancing musculoskeletal research. Major scientific and clinical breakthroughs will come from this group.

# **Professional Development and Mentoring Committee**

## Focus areas

- 1. Establishment of a mentoring team and plan for early stage faculty
- 2. How to evaluate research relevance and significance (role of Friday PI meetings)
- 3. Responsibilities associated with training students and fellows (role of Wednesday meetings)
- 4. Formation of a tenure and promotions committee to monitor progress of early stage faculty
- 5. Methods for preparing successful grant applications and dealing with critiques
- 6. How to spend research money and build and maintain a team
- 7. How to balance research, teaching and institutional service
- 8. Work/life balance; how to manage the stresses of your job, family, outside interests, etc

# 1. Establishment of a team and plan for early stage faculty

#### 6 Parts of a Successful Team (Forbes)

#### 1. Be Aware of How You Work

Be flexible. Know who you are as a leader. We all have different strengths. For the good of the team. Personal agenda

#### 2. Get to Know the Rest of the Team

Think of your team as puzzle pieces that can be placed together in a variety of ways.

#### 3. Clearly Define Roles & Responsibilities

A team should operate as a mosaic whose unique strengths and differences convert into a powerful united force. Money Ball. Individual wisdom is frequently flawed. A diverse collection of independently deciding individuals makes better decisions than an expert. Wisdom of Crowds (Surowieki).

# Does Teamwork Work? ....just ask Davis, Phil, Tiger, Steve et al.

#### 4. Be Proactive with Feedback

Take the time to remind someone of how and what they can be doing better. Learn from them. Feedback is two-way communication.

#### 5. Acknowledge and Reward

When people are acknowledged, their work brings them greater satisfaction and becomes more purposeful. SDT? Selfdeterminationtheory.org

#### 6. Always Celebrate Success

Don't ignore it. Take the time to live in the moment and remember what allowed you to cross the finish line.

All members must be committed to open sharing of thoughts/beliefs/ideas.

#### **Contribution vs. Commitment**

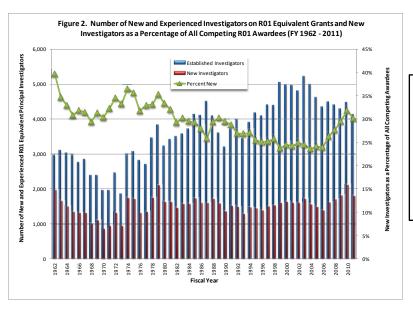






Be the pig!!!

# 2. How to evaluate research relevance and significance (role of Friday PI meetings)



RO1 13% RO1 es 22% R21 13.% RO3 22%

# Specific Aims Page The most important page of a project!

Only page most reviewers not assigned to the grant read

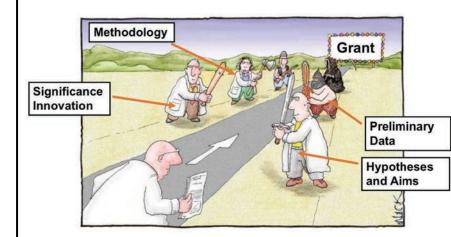
This is your "blink". (Blink: The Power of Thinking Without Thinking; Malcolm Gladwell; Why are some people brilliant instantaneous decision makers?....those that have perfected the art of "filtering" the things that matter)

**~30**% grant preparation time should be spent on Hypotheses and Specific Aims page

Remainder of proposal follows

Write, re-write, present on Friday morning, re-write, write Significance and Innovation, re-write, write Approach, re-write, etc.

- A good idea is critical, but not enough.
- A poorly written grant will never be funded, even if it's the best idea in the world.
- A compelling question
- Clarity of thought and expression
- A strong, testable hypothesis
- Appropriate scope
- Logical aims to answer the question
- Rigorous experiments to answer the Aims



Do's & Don'ts

# 3. Responsibilities associated with training students and fellows (role of Wednesday meetings)

Wednesday morning meetings help students and fellows learn how to:

- Organize a presentation (background, hypothesis/SA's, data, analysis, conclusion)
- Develop communication skills
- Demonstrate a command of the subject (answer questions on your feet)
- Take constructive suggestions

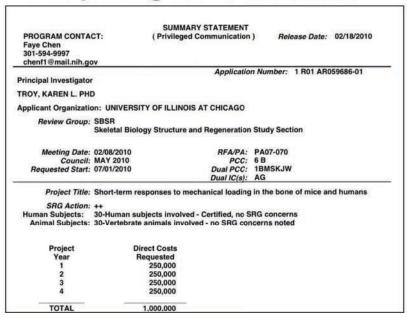
Advisor and/or mentor MUST be involved in the process of preparing Wednesday morning presentations (i.e. rehearsals, meet ahead of time, practice questions, etc.)

# 4. Formation of a tenure and promotions committee to monitor progress of early stage faculty

- Form a standing T and P committee in the CMSR composed of senior faculty (rotating)
- T and P committee should have a member(s) from outside the SMD when appropriate
- T and P committee must be familiar with the "Regulations of the Faculty"
- T and P committee makes a recommendation to the Director and Chair regarding P

# 5. Methods for preparing successful grant applications and dealing with critiques

# Interpreting the "Pink Sheet"



#### What to do upon receipt

- Read the summary statement quickly
- Underline what you CAN fix
- STAR the big problems
- Distribute the summary statement with your colleagues
- DO NOT get paranoid
- Put the summary statement away for a few days or weeks
- Get over it!

#### What to do upon reflection

- Read the reviews carefully
- Look for consistency between reviewers
- Categorize into major and minor concerns
- Draft a strategy for response

#### Tips in Dealing with the Resubmission

- The reviewer is always right......
- Do not ignore a critique......
- Remember, make it easy for the reviewer......
- Do not pick a fight.....

## 6. How to spend research money and build and maintain a team

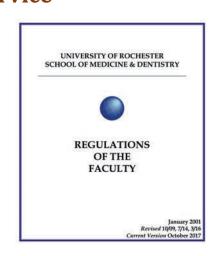
## On what should you spend your money?

- Personnel (technicians? students? fellows? RAP's?) (in order of importance)
- Equipment (how to leverage existing core equipment)
- Supplies (buy in bulk with others in CMSR)
- Core services, collaborators expertise

# Spending money MUST lead to production of manuscripts

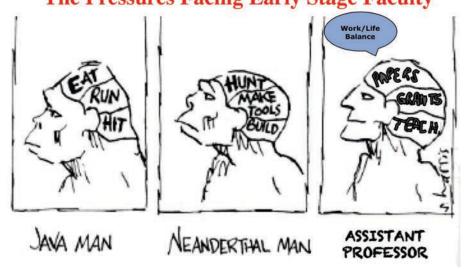
7. How to balance research, teaching and institutional service

- Read the "Regulations of the Faculty"
- Research, teaching, service (in order of importance)
- Minimize unneeded travel, book chapters, editing invitations
- Accept all opportunities to review grants



# 8. Work/life balance; how to manage the stresses of your job, family, outside interests, etc





- How to balance your early career
- When to take on other professional activities, such as editorial board of a journal before tenure or promotion
- Time and project management how to juggle multiple research projects/interests and balance with other commitments
- Using professional organizations
- Budgeting percent effort when on multiple grants
- Accounting for time on unfunded research projects

Set a pace you can keep for 30 years!!!





Developing the skills to become an effective gr, at united for the automated and administration of model independent accuracy typically requires a long learning curve. Nestering the art of posing hypotheses, writing high-information-content aims, responding to orificase, etc. can be a formidable understalling. Many great writing seminars estal, and although most provide valuable information, few include a mentioning process that continues throughout the learning curve. To address this issue the United States Bone and Joint Initiative (USBJI) has launched a different type of program that has met with excellent

Young scientists (from the US and Canada) are assigned two or more seasoned mentors and over the course of two weekends, usually separated by 12.8 from the, the scientist seem how to contract a hypothesis-drivinen research project and submit it for competitive funding. Of note, early stage investigators who are members of ASBMR have taken particular advantage of the program. We present our data for the first time.

The YII is a competitive program. Since 2005, 761 young investigators have applied to enter the program and 378 have been accepted (49,7%), 51% of the attendees are female, 84% are American and 16% are Canadian. Most are between the The YII attendees are from a wide spectrum of disciplines and belong to a number of related specialty societies, including ASBMR. Attendees from the top five societies are:

208 of the 378 participants (55%) have received funding. Total grant monies awarded exceeds \$283M, for more than 1,100

In summary, although the YII faculty (9 of which are members of ASBMR) are pleased with the success of the program, they

MSK research studies. The top four awarding agencies are NIH (177 grants), Canadian Institutes of Health Researc grants), Orthopaedics Research and Education Foundation (26 grants) and the Department of Defense (14 grants).

continue to evolve the content of the curriculum to respond to the changing climate of biomedical research funding

American Academy of Orthopaedics

American College of Rheumatology American Society for Bone and Mineral F

Orthonaedic Research Society American Physical Therapy Association

More information on the YII can be found at: www.usbji.org

#### **UCDAVIS**

# **Training the Next Generation of Musculoskeletal Investigators:** A Report on the Activity of the USBJI's Young Investigator Initiative







#### J. Edward Puzas<sup>1</sup>, Toby King<sup>2</sup>, Nancy E. Lane<sup>3</sup>

<sup>1</sup> University of Rochester School of Medicine and Dentistry, Rochester, NY <sup>2</sup>United States Bone and Joint Initiative, Rosemont, IL <sup>3</sup>University of California Davis Health System, Sacramento, CA

#### **Metrics**

Number of Applicants (2005-2017) 761 **Number of Applicants Accepted** 378 (49.7%) Number of Participants who Received a Grant 208 (55%) **Number of Grants Funded** 1,104 Total Dollars of Grants Funded \$283 million



**Steering Committee** Nancy Lane, MD Howard Hillstrom, PhD Edward Puzas, PhD Albert Yee, MD, MSc, FRCSC Kristine Lohr, MD (USBJI Board Liaison)

Nancy Baker, ScD, MPH, OTR/L Dorcas Beaton, BSc. MSc. PhD Lauren Beaupre, PT, PhD Mary Bell, MD, MSc Leigh Callahan, PhD Henry Donahue, PhD Dorothy Dunlop, PhD Kristine Ensrud, MD, MPH Stuart Goodman, MD, PhD, FRCSC, FACS, FBSE **Edward Greenfield, PhD** Marian Hannan, DSc. MPH Christopher Jacobs, PhD Joshua J. Jacobs, MD Susan Jaglal, PhD Wendy Katzman, PT, DPTSc, DSc Braxton Mitchell Jr., MPH, PhD Fackson Mwale, PhD Jacques E. Nör, DDS, MS, PhD Regis J. O'Keefe, MD, PhD Stephen Robinovitch, PhD

#### What is Different About the YII Mentoring Program? "The Curriculum"

Phase 1: How to construct a grant proposal (Friday, Saturday and Sunday)

- . Hypothesis, Specific Aims, Preliminary Data, Research Design • Direct "hands-on" critique of good and bad Specific Aims
- Observation of a mock NIH-style study section
- Each attendee is assigned at least two seasoned mentors
- · Assignment: Go home and write and submit a grant application

----- 12 to 18 months later return for Phase 2 --

#### Phase 2: If you didn't get funded (Friday Saturday and Sunday)

- Advanced mentoring
- . How to deal with the critique and re-submit
- Work/Life balance
- How to negotiate for a new (or better) position

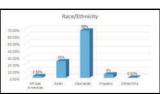


Repeat Phase 2 as often as necessary!

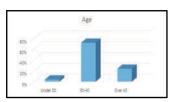


## **Participant Demographics**









### **Top Funding Sources**

- National Institutes of Health
- 2. **Canadian Institute of Health Research**
- 3. Orthopaedic Research and Education Foundation
- **Department of Defense**

www.usbji.org/programs/yii

Ann Rosenthal, MD

Cari Whyne, PhD Yuqing Zhang, DSc

Stephen Waldman, PhD

Jennifer Westendorf, PhD





# MyPath UNIVERSITY OF ROCHESTER

#### **Notification: Annual Performance Reviews**

J,

The Employee Self-Review step for the annual performance review period is currently being assigned in MyPath. You are receiving this email because you have one or more direct reports being assigned an annual performance review.

Please Note: Please confirm with your direct report(s) that a review has been launched. If an employee does not receive an annual review by end of day Friday, as expected, please launch an off-cycle review, as appropriate.

#### HIGHLIGHTS

Based on feedback from last year's annual review period, the following features have been added to the annual performance review form:

- Structural Enhancement Added "Not in Leadership Role or Too New to Rate" as a
  rating option for Leadership Competencies; this is a non-scored selection (Best
  Practices: Select for individuals not in a leadership role or for an individual in a
  newly appointed leadership role)
- Employee Compliance Verification- New drop-down selection for managers to indicate annual compliance requirements have been met

#### Accessing Performance Reviews for Your Team:

- Login to MyPath using your NetID and associated password.
- On the Performance Reviews page, click the desired review link.

**Please Note:** Upon submission, the employee will have <u>full access</u> to the performance review. Please ensure that you have met with the employee and made final edits <u>prior</u> to submitting the review.

#### TIMELINE

Self Review

Due: February 15

Manager Review

Due: April 15

Employee Acknowledgement