

## A Matrix Mentoring Model to Support Career Development of Clinical and Translational Scientists

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### The Challenge

Attrition of physician scientists is costly for the national research enterprise.

### The Program

- Health Sciences-wide
   2007 Pediatrics (PCAT)
   2013 School of Medicine (VPCAT)
   2014 All Health Sciences (VPCAT)
   (Colleges of Health, Nursing & Pharmacy Schools of Dentistry & Medicine)
- Competitive Application
- Two year program
- Structured Curriculum
   Self-Awareness
   Leadership
   Collaboration & Communication
   Negotiation
   Skills Development

Matrix Mentoring Model

Self as Center Senior

Scientific Peer

Staff

Grant & Proposal Support
 NIH-funded CTSA Support
 Statistical Support
 Edit/Review

### The Scholars

I think you should know how important it is

to put the group of VPCAT scholars in the

same room from time to time. Since last

week, someone I met has helped me

navigate a major research road block, and

I'm using a bunch of organization

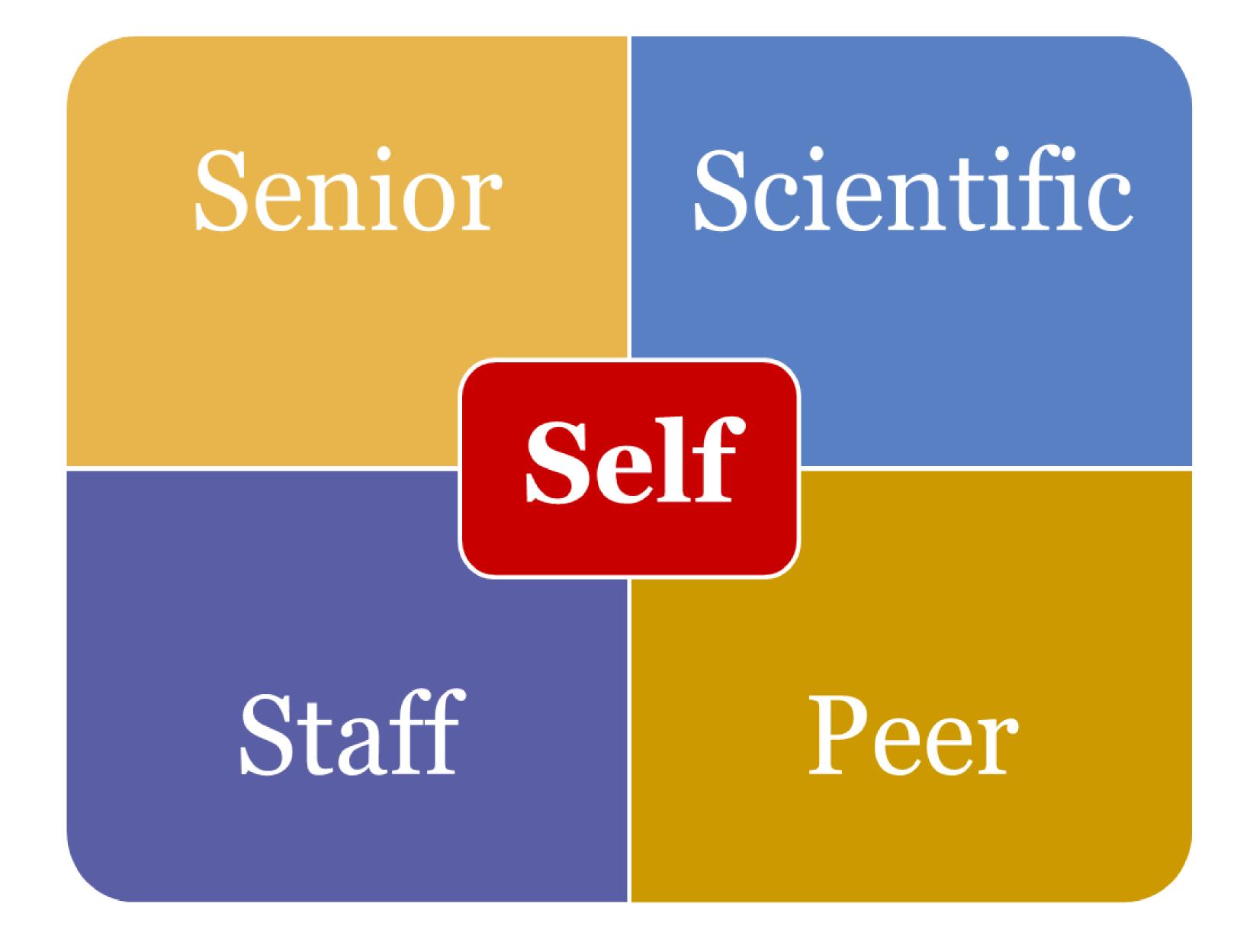
suggestions from one of the

~ current VPCAT Scholar

other scholars!

- ✓ Assistant Professor level
- Clinical and/or translational focus
- ✓ Support of chair
- ✓ Minimum of ~30% time for research and scholarship
- ✓ Identified scientific mentor and research focus
- Potential for success

### The Matrix Mentoring Model



### The "S" Mentors

### **Senior Mentors**

- Senior-level faculty and/or leaders
- Participate in quarterly mentoring training
- Successful research and academic career
- Minimum of ~10% time for mentoring

#### **Scientific Mentors**

- Aligned research interests
- Established relationship
- History of funding
- Commitment to research

# Thanks, Carrie, and congratulations, VPCAT Scholar, for a terrific year of accomplishments! I look forward to your ongoing success in building a terrific research career and am glad to know the important role VPCAT is playing in helping you do so. ~ Department Chair

### **Staff Mentors**

- Research development professionals
- Attend structured curriculum sessions
- Complete awareness training
- Utilize a 'train the trainer' model to develop other grants & contracts professional staff

### The Innovation

A culture that leverages resources and partnerships across the university to address many of the barriers physicianscientists encounter.

### The Outcomes

### **Program Graduates**

95% received extramural awards 207 Awards \$29.3 million in direct costs

98% remain in academic medicine 94% at University of Utah 50% have been promoted 20% granted tenure

Increased inclusion of women and under-represented minorities as funded principal investigators.

### **Current Cohorts**

~71 applications ~33 Awards ~\$4.3 million in direct costs



### The Take Away

This model can be translated to other academic health centers to support and sustain the biomedical workforce.