

CTSA Consortium Strategic Goal #2

Co-Chairs: Gary W. Hunninghake (Iowa)
Rebecca D. Jackson (Ohio State)
Thomas Pearson (Rochester)

NIH Coordinator: Carol Merchant (NCRR)

Face to Face Meeting
October 8-9, 2009

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – *overall concept*

- Non-CTSA training programs
- Enrich existing CTSA programs
- Provide academic credit

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – *where are we now?*

- Build IT support structure
- Select courses linked to competencies
- Mentor training
- Basic courses that apply to most types of clinical and research training
- Boutique courses

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where are we now?

- IT structure – U. of Iowa (Hunninghake)
- Mentoring – U. of Wisconsin (Fleming)
- Multiple other supplements funded related to education – coordination (Jackson)

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where are we now?

- Core Competencies for clinical and translational research training have been jointly developed by SGC2 and the Education and Career Development Key Function Committee
- Competencies will be evolving with input from other groups
 - T1
 - Community engagement
 - BERD
 - CER
 - Others

Strategic Goal #2

Mentoring – University of Wisconsin – Michael Fleming

Primary outcomes of the supplement will include:

- A series of publishable papers to summarize what we know and what we don't about mentoring.
- The development of core mentoring competencies and curriculum.
- Support for ongoing research studies related to mentoring.
- The development of a consensus document on effective mentoring practices.

Strategic Goal #2

Creation of a Clinical Research Training System (CRTS)

Gary W. Hunninghake, MD
U. of Iowa

Year 1

- Develop system and accept initial courses

Year 2

- Have system available for validation and testing

Strategic Goal #2

Evaluating Competency Based Education in Clinical and Translational Science

Wishwa Kapoor MD, MPH
U. of Pittsburgh

1. Refine and finalize a set of core and specialty track competencies for Certificate, MS, and PhD in Clinical and Translational Science.
2. Map competencies into currently offered courses.
3. Add new sessions to existing courses as needed, and develop new seminars, courses, experiential learning techniques (or mechanisms) using innovative teaching strategies.

Slide 8

j1

courses, and experiential learning techniques (or mechanisms) using innovative teaching strategies.

jlaskows, 10/6/2009

Strategic Goal #2

Education Resources

Sherine Gabriel, MD, MSc

Karen Weavers, MEd

Mayo Clinic

Goal: Increasing the diversity of a well-trained clinical research workforce

Research Practicums: One week intensive learning practical experience

- 1) to observe clinical research in action
- 2) to explore areas of research interest, and
- 3) to meet potential mentors

Audience: Postdoctoral candidates and Study Coordinators within Research Centers at Minority Institutions (RCMI), institutions within IDeA (infrastructure Development Awards) states in the Midwest, and non-CTSA institutions in the Midwest

Strategic Goal #2

Case-Based Training in Biostatistics, Research Design, and Responsible Conduct of Research

Laurel Beckett, PhD & Alexander Kon, MD
UC Davis

- Background: In 2006 the CTSA BERD group formed an online educational resource task force. This group started the CTSpedia (initially funded by supplement to UCSF, with subcontracts to UCD and others).
- CTSpedia provides content on biostatistics, research design and ethics:
 - Articles
 - Software
 - Ask the expert
- <http://www.ctspedia.org/do/view/CTSpedia/WebHome>

Strategic Goal #2

National CTSA Educational Resource Program

Thomas Pearson, MD, MPH, PhD
U. of Rochester Medical Center

Goals of the NCERP

1. To develop a program to identify, catalog, and assess training modules supplemental to the core curriculum in clinical and translational research training.
2. To provide access for CTSA trainees to these expanded opportunities.
3. To evaluate the use and effectiveness of the NCERP.

Strategic Goal #2

Creating novel blended learning strategies
to support T1/T2 translational research

Jonathan Fuchs, MD, MPH

Teri Liegler, PhD

U. of California, San Francisco

Overall goal of this Workforce Development supplement is to create and evaluate novel blended learning strategies (web-based combined with interactive F2F workshop) to further training goals with this target audience.

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where are we now?

Engaged, closely linked Education and Career Development Key Function Committee

Strategic Goal #2-Education KFC

Deliverables:

1. Describe the basic skills, knowledge, and attributes that all clinicians and basic scientists should learn as part of their training experience in clinical and translational science.
2. Develop a graphic display identifying key career decision points, funding opportunities, and unique challenges facing physician-scientists.
3. Create a comprehensive catalogue of educational course work, training modules, and distance learning tools across the consortium.
4. Launch a web portal providing a consortium wide shared educational resource including course work, training modules, and distance learning tools.
5. Draft and submit a white paper defining the best practices for training mentors and recognizing their value in promoting careers in clinical and translational research.

1. Core Competencies Workgroup – The final recommendations for the Core Competencies in Clinical and Translational Research were presented to the SGC#2 and CTSA Executive Committees on June 9, 2009

6
months

2. Lifecycle of the Physician-Scientist- Drs. Meyers and Fleming will map out the lifecycle for physician-scientists and identify funding mechanisms that align with key career decision points.
*** June 2010***

12
months

3. Core Curriculum Workgroup – Dr. Jackson is leading the effort to compile educational course work across the consortium and aligning the curriculum with the core competency recommendations.
*** December 2010***

18
months

4. Open Access Educational Resource – Dr. Hunninghake has drafted a plan in partnership with the NIH Clinical Center to develop an open access portal that will house all of the CTSA training resources.
September 2011

24
months

5. Career Mentoring Workgroup – Drs. Sherwin and Fleming will organize a series of meetings to capture a list of best practices for training mentors across the CTSA consortium.
*** September 2011***

Strategic Goal #2

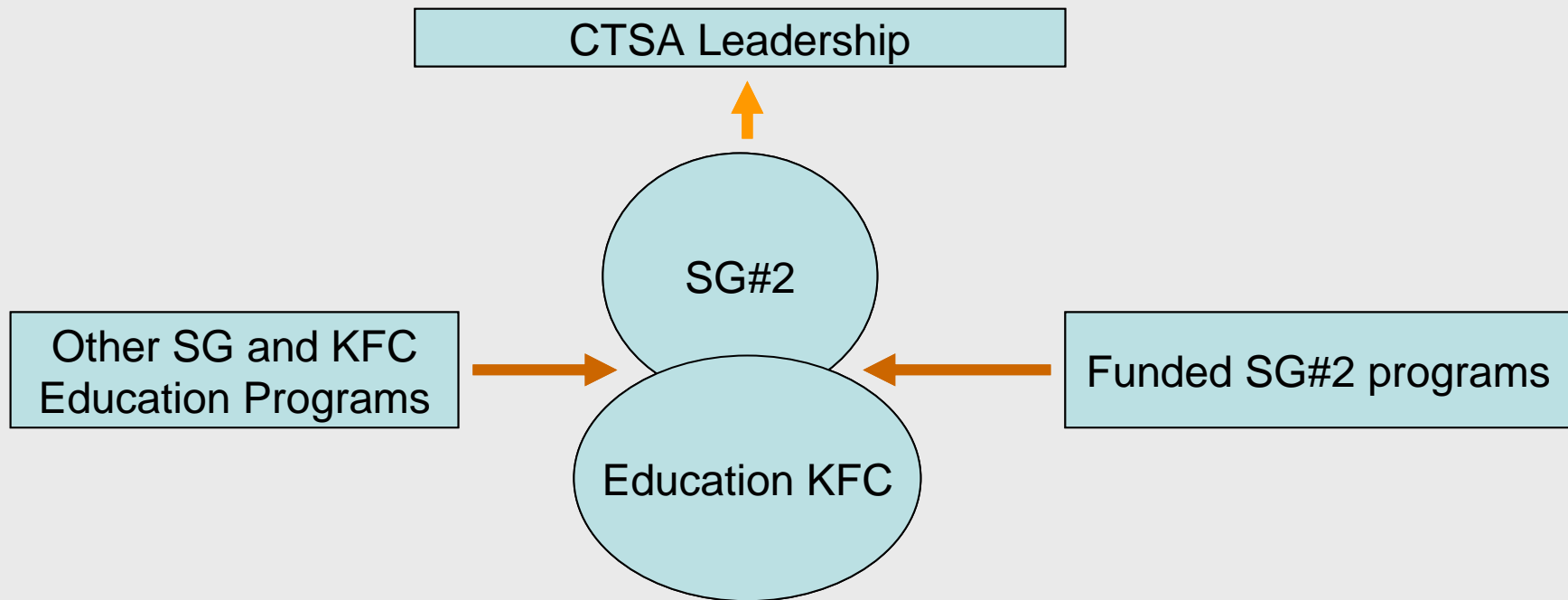
Virtual university with emphasis on training for clinical and translational research – where are we now?

ECD KFC work accomplished 08-09

- Established governance that promotes stability and innovation
- Aligned with important partners
- Effectively managed and advanced projects
- Developed a strong identity that will guide future work

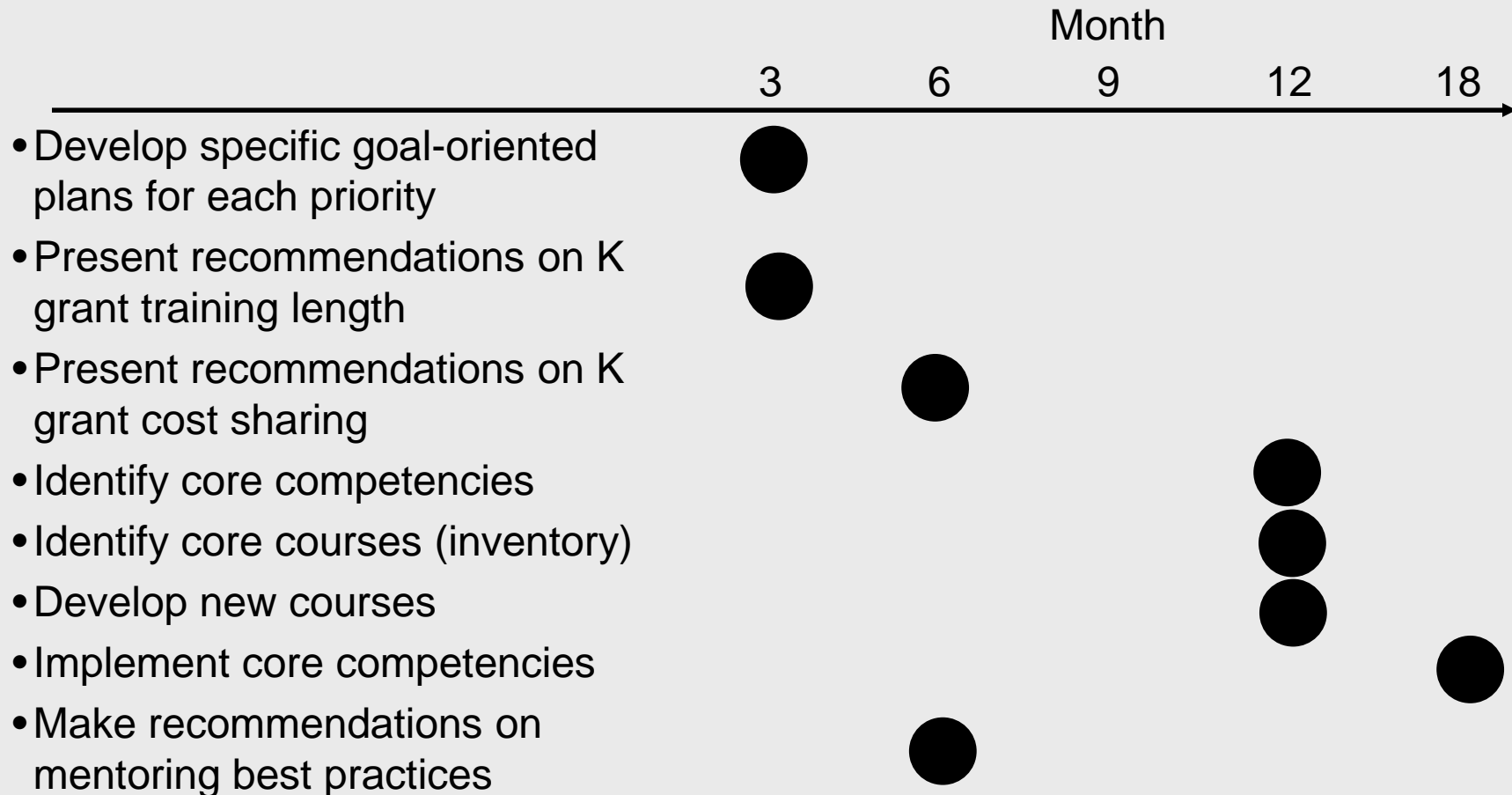
Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where are we now?



Strategic Goal #2

Timelines for Activities



Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 2 years?

- Finish current goals
- Monitor effectiveness of educational programs through metrics
- Facilitate development of new courses or materials
- Identify a new strategic goal

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 7 years?

- Feasibility of academic credit
- Coordinator training program
- Other short term training programs
- Begin to focus on development of more specific advanced training programs

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 7 years?

Focus on development of more specific advanced training programs

- Drug development, toxicology and first-in-man programs
- Focus on other health care professionals and clinician scientists
 - Dental, nursing, vet med, optometry, allied medicine programs
- Public health, biostatistics, and epidemiology programs

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 7 years?

Focus on development of more specific advanced training programs

- Genomics and genetic epidemiology
- Proteomics, metabolomics, lipomics, and biomarker discovery
- Informatics and mathematical modeling (systems biology)
- Nanotechnology

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 7 years?

Focus on development of more specific advanced training programs

- Community based and health policy research
- Ethics
- Psychology and social sciences

Strategic Goal #2

Virtual university with emphasis on training for clinical and translational research – where do we want to be in 7-20 years?

Continue to develop and modify clinical and translational research training programs:

- Proactive approach (continue to evolve and be opportunistic to meet needs of training)
- Leadership and development engine for clinical and translational research training for the U.S. and the World.