Strategy 3.2 Foster excellence in clinical teaching.

Tactics:

Excellence in Clinical Teaching:
Ensure

- Goals: General
  - Excellence in clinical competency
  - Excellence in effective communication
  - Board certification
- Needs:
  - Societal
  - Hospital
  - Needs of individual resident
    - Deficits: knowledge, skills, attitude
- Objectives: Specific
  - Specific to service/Specialty College
  - Specific to resident
    - Teaching skills
    - Research skills
    - Clinical skills
- Methods
  - Knowledge: Didactic teaching
  - Clinical: 1 on 1 clinical teaching vs mentored indirect teaching
  - Laboratory: skills
  - Modeling for professionalism and communication
- Evaluation
  - Feedback, constructive criticism
  - Formal evaluation: “grade”

a. Align residency programs with programmatic goals and societal needs.

ABVS and specialty colleges need to develop strategies for meeting societal needs of specialists- reliable state and national data on consumer demand
  - Evaluate the job placement in specialty colleges
- Work with CVMA for societal needs in CA

Then, adjust our resident numbers to align with needs

National Research Council of the National Academies of Science May 30, 2012 report by Committee to Assess the Current and Future Workforce Needs in Veterinary Medicine:

- Identified needs and potential shortage in future:
  - Faculty teaching,
  - Research Positions, Federal Research
  - State Diagnostic Labs,
  - Regulatory Agencies,
  - Pharmaceutical and Biologics Industry,
  - Food Safety, Zoonotic Disease

b. **Elevate research and scholarly activities in the clinical training program.**
   i. Provide protected time and opportunities for research.

   Veterinary academia: need to increase commitment to developing future faculty—encourage residents to work across disciplinary and professional boundaries

   Ensure residency programs provide protected time for scholarly activity

   Challenges:

   - How much time per service – each is unique- evaluate on a per service basis
   - Funding sources

   ii. Foster closer interactions between graduate academic and graduate clinical students.

   Create collaborative research groups between academic and clinical graduate students
Creation of combined specialty clinical training and PhD or research fellowship training programs

Rexamination of our recruitment practices for residency positions- encourage advanced degree

iii. Actively engage and mentor residents in clinical teaching and basic research.

Evaluate residency programs to require minimum level of mentored clinical teaching

Require specified # of lecture and lab hours per resident
  Lectures to faculty, fellow residents, or veterinary students
  Labs to veterinary students
  Teaching should be evaluated

Research requirements for residents
  • Require minimum level in UC Davis programs, independent of College requirements

c. Mentor exceptional residents and researchers into academic careers. *(Links to Strategy 1.2)*

i. Focus resources to support resident transition to graduate training programs and vice versa.

Combining residency with research programs: fellowship vs advanced degrees (MS, PhD)
Economics of advanced degrees- shorten the length of programs- fellowships vs PhD- finding alternate sources of funding

Explore shortening length of veterinary education, and pre-veterinary education requirements to reduce overall costs (and increase earning span) so that students are not deterred from pursuing advanced degrees or fellowship training

Deeper partnerships between academia and industry employers of veterinarians. Increase exposure of residents to industry. Potential funding source
Increase visibility and exposure of advanced degrees or research training to residents:
  - Foster relationships with basic science faculty, graduate students, previous residents that have completed graduate programs
  - Need more funding sources like the 50,000 Hartwell Foundation Fellowship for biomedical research to support training of graduate students

d. Develop clinical experiences with appropriate clinical partners.

  Partner with private practices to obtain additional clinical expertise
    - Cases that are not seen in sufficient numbers at the VMTH

  Partner with industry for unique clinical experiences
    - Pharmaceutical, research, lab animal, etc.