

# UAB Hughes Med-Grad Fellowship



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# HHMI MIG - CTSA Integration

## *Advantages and challenges*



### Advantages:

- Expand applicant pool
- Enrich training experience
- Integrate faculty, departments and colleges
- Consolidate teaching and training efforts
- Provide longer term financial support

# HHMI MIG - CTSA Integration

## *Advantages and challenges*



### Challenges:

- Accommodate different “phenotypes” of trainees
- Coordinate curricula

# UAB Hughes Med-Grad Fellowship

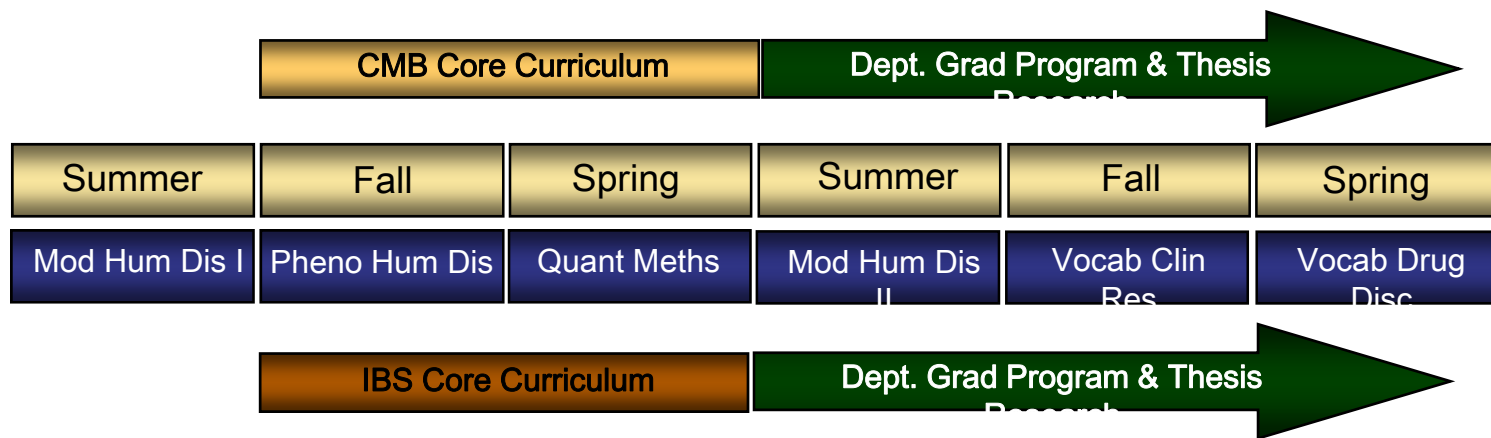
## *Program Components*



- Matriculation through departmental Ph.D. program with core curriculum and courses
- Five MIG courses in translational medicine and drug discovery
- Mentored thesis research with customized training plan
- Enrichment program

# Program Components:

## *Matriculation Pathways*



# CTSA EdCD Component, UAB:

*Multiple elements, range of audiences*



- Educational elements
  - Vocabulary of Clinical Research (18 hours) – multi-year post-doctoral fellows, selected medical students
  - Clinical and Translational Science Training Program (60 hours, certificate) – clinical fellows, junior faculty; others
  - Master of Science in Public Health – clinical fellows, junior faculty; others (with sufficient protected time)
  - Research Coordinator Training Program – nurses and other clinical studies personnel

# CTSA EdCD Component, UAB:

*Multiple elements, range of audiences*



- Career development elements
  - KL2 (CTSA K12)
    - Junior faculty, 5 yr support, includes combination of team mentoring, research plan, didactic sessions
  - TL1 (CTSA T32)
    - Pre-doctoral education – creditable supplementary didactic and experiential sessions on CTS topics
    - Post-doctoral education – required master's/doctoral degree in clinical research theory and practice
- Enrichment elements
  - CCTS Forum – guest speakers, often teams, who have conducted translational research: science and process
  - CCTS Scholars' seminar – didactic and professional development sessions

# HHMI MIG - CTSA Integration

## *Integrated Curriculum*



### Required

#### **Original MIG**

- Modeling human disease
- Vocabulary in drug discovery research
- Quantitative methods
- Phenotyping human disease
- Vocabulary in clinical research

#### **Integration**

- Modeling human disease
- Vocabulary in drug discovery research
- Principles of design, conduct and analysis of research
- Logistic and Regulatory Issues in CTS
- CCTS Forum
- Research seminar (presentations)

# HHMI MIG - CTSA Integration

## *Integrated Curriculum*



### Electives

#### Laboratory science

- **Rotation/Coursework**
  - Bioinformatics
  - Biostatistics
  - Biorepository, animal core facility functions
- **Research facility visits** – Yerkes primate center, pharmaceutical company, Federal or private sector laboratories (e.g., CDC, Hudson Alpha Institute)

#### Behavioral, Population Science

- **Rotation/Coursework**
  - Health informatics
  - Biostatistics, epidemiology
  - Research in communities
  - Outcomes research
- **Research facility visits** – UAB Minority Health and Health Disparities Center, Centers for Disease Control, survey research center