



UK-ADC RESEARCH EDUCATION COMPONENT

REC Leader: Linda Van
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Co-investigator: Greg Jicha

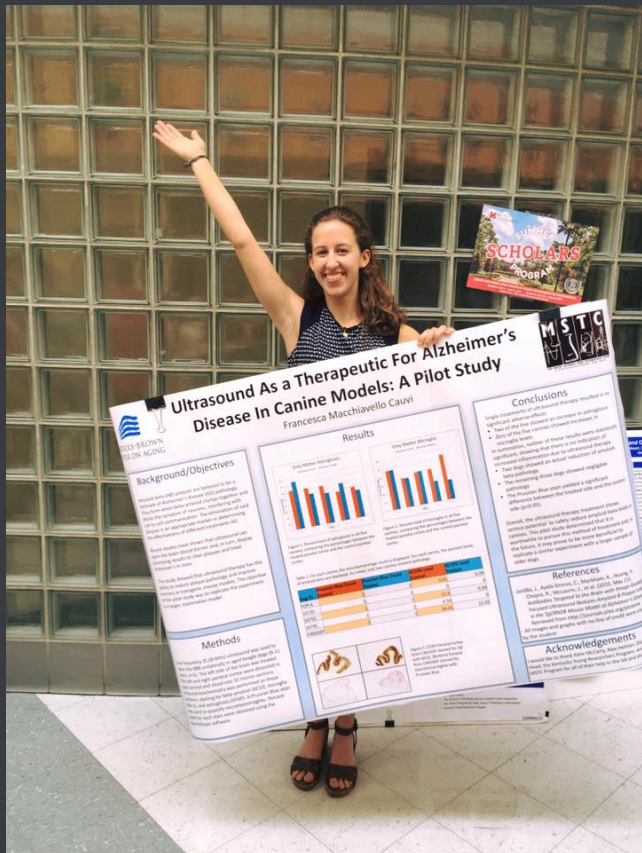
**ADC Directors Meeting
Oct2017**

- ◆ “over-arching goal... to support educational activities that complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical needs in AD-related research.”
- ◆ “proposed educational experiences must be distinct from those... currently receiving federal support.”
- ◆ “should include mentoring and research experiences.”
- ◆ “development of combined competence in basic and clinical research.. emphasis on development of skills for translating basic findings into clinical research, and clinical findings into mechanistic studies.”

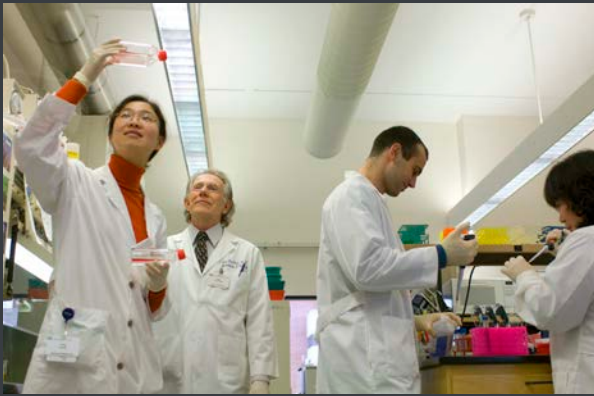
UK-ADC REC: Specific Objectives

1. Offer multi-faceted learning formats and programs to educate healthcare professionals and to promote the development of future leaders in AD research

- CE Central educational series on dementia
- Telemedicine caregiver training programs
- Annual Markesbery Symposium on Aging and Dementia
- SBCoA monthly seminar program
- Medical student geriatrics enrichment, Geriatrics clinical elective
- Neurodegenerative Disorders elective for Neurology residents
- Formal didactic course education
- One-on-one mentoring of students, fellows, residents, and faculty



2. Develop new educational programs and training opportunities for researchers and healthcare professionals

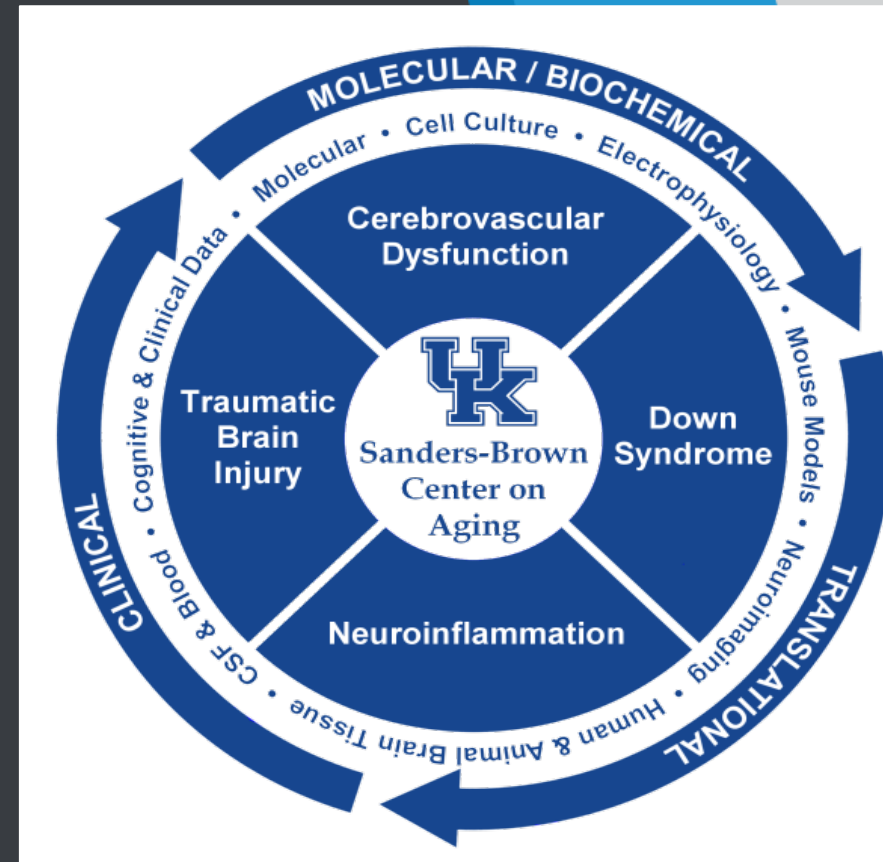


- Develop the “AD101: From Bench to Bedside” training program
- Pilot a primary care physician training program for dementia screening
- New geriatrics fellowship
- New T32 for translational AD research



T32: Translational Research in Alzheimer's Disease and Related Dementias (TRIAD)

- ▶ Goal: provide cross-disciplinary training from bench to bedside
- ▶ Training in molecular/biochemical methods, preclinical translational approaches, clinical research
- ▶ Training components linked by common theme of risk factors



1. Provide rigorous, innovative, multidisciplinary and translational research education to prepare for biomedical careers in AD research

◆ **Steady state of 4 pre- and 4 post-doctoral trainees**

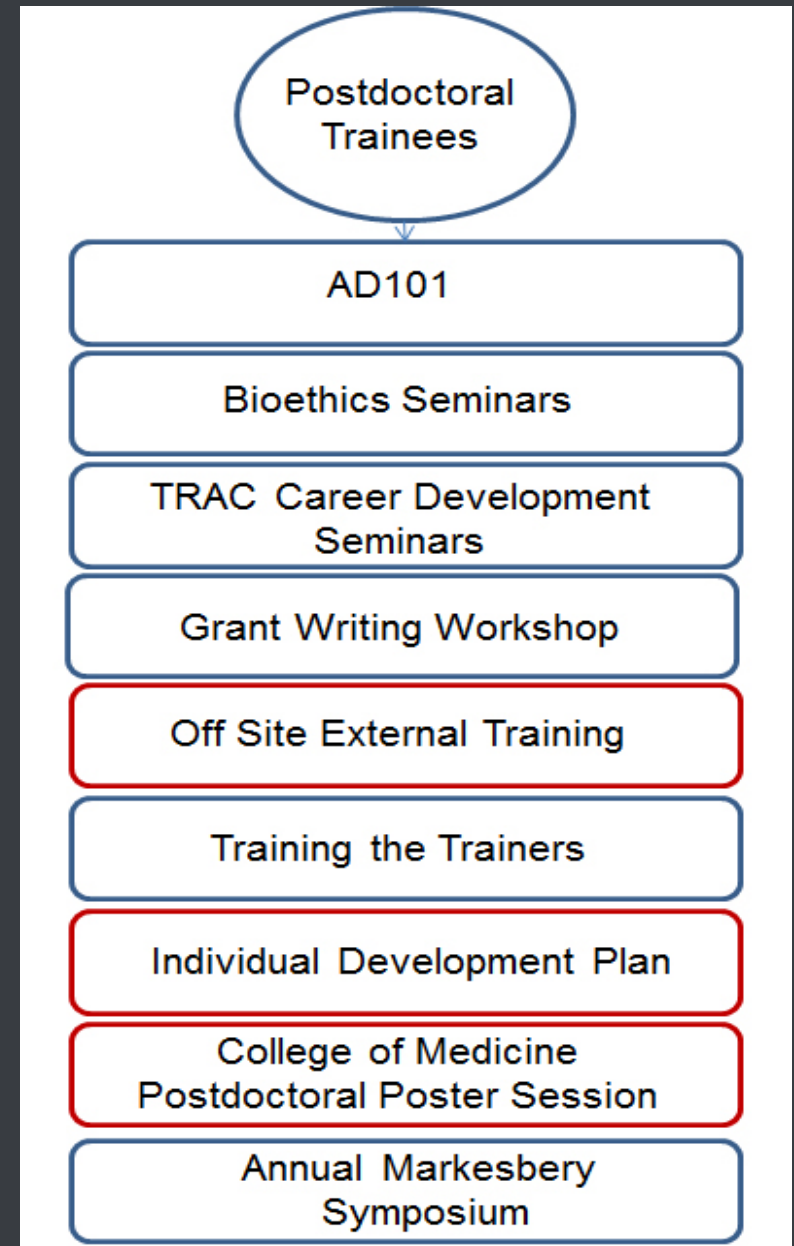
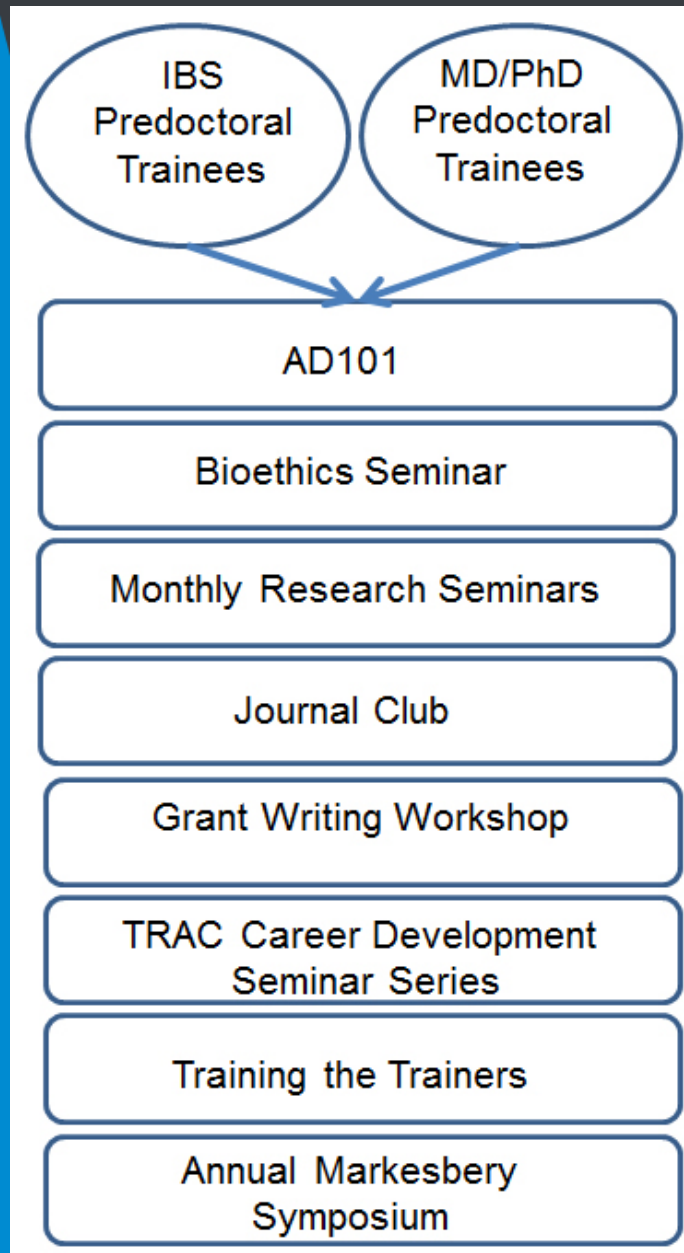
2. Provide trainees with a core faculty of established and productive researchers who serve as mentors and role models and represent strong examples of creative collaborative and multidisciplinary approaches

◆ **18 faculty mentors**

3. Provide a cohesive environment in which to foster cross seeding of research concepts by providing an infrastructure that supports education and interaction

◆ **Expertise from analysis of “big data” to genetics to molecular neurobiology to neuroimaging to clinical research**

Multiple Training Opportunities



AD101: From Bench to Bedside

Goal: to facilitate the ability of researchers to more rapidly translate their discoveries into clinical research

Didactic program, interactive discussions, plus individualized mentored training experience

Month	Topic	Speakers*
1	Overview of aging and dementia: recent discoveries and areas of need	LVE, FAS, GJ
2	Basic research methodology and discovery of new targets	LVE, EH
3	IACUC issues, ethical conduct of research	MPM
4	Neuropathology and biospecimen/biobanking methodology	PTN, RK
5	Clinical research methodology in aging and dementia	GJ, FAS
6	Human subjects protections, including genetics, biomarkers, and brain donation	GJ, PTN
7	Human subjects protections for the decisionally impaired and FDA considerations	GH, FAS, IRB
8	Stimulating translational research: from bench to bedside	LVE, Guests
9	Stimulating translational research: from bedside to community	FAS, Guests
10	Precision medicine: genetic research strategies and methodology	SE, DF
11	Clinical trial design and biostatistical analysis of research results	RK
12	Career development and opportunities in aging and dementia research	LVE, EH

Training the future workforce--

to defeat Alzheimer's!



Together, WE ARE POWERFUL.

Postdoctoral positions available

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