

PEPPER CENTERS AVAILABLE FOR LONGER VISITS:

PEPPER OAIC	WHAT ARE THE SPECIALTY FOCI OR EXPERTISE AREAS OF YOUR CENTER IN WHICH AN EXCHANGE SCHOLAR COULD RECEIVE CAREER DEVELOPMENT AS DESCRIBED ABOVE?	PLEASE DESCRIBE EXEMPLAR EXPERIENCES YOU COULD IMAGINE PROVIDING TO A VISITING SCHOLAR FOR A LONGER (2-3 WEEK) VISIT.
DUKE PEPPER OAIC	<p>OUR FOCUS IS UNDERSTANDING AND OPTIMIZING RESERVE AND RESILIENCE IN OLDER ADULTS.</p> <p>THE PHYSICAL MEASURES CORE (PMC) CAN PROVIDE CONSULTATION ON APPROPRIATE MEASURES OF PHYSICAL FUNCTION FOR A SPECIFIC PROJECT/POPULATION, HANDS-ON TRAINING IN CLINICAL ASSESSMENTS OF PHYSICAL PERFORMANCE (E.G., SPPB, 6-MINUTE WALK), CONSULTATION ON WEARABLE ACTIVITY DEVICES, AND MEASUREMENT CONSIDERATIONS ACROSS CLINICAL SETTINGS AND POPULATIONS.</p> <p>THE MOLECULAR MEASURES CORE CAN OFFER HANDS ON TRAINING IN MOLECULAR MEASURES INCLUDING ELISA AND GC MASS SPEC ANALYSES.</p> <p>THE RESEARCH EDUCATION CORE CAN OFFER INDIVIDUAL PROFESSIONAL DEVELOPMENT AND INTERVENTION DEVELOPMENT GUIDANCE.</p> <p>THE ANALYSIS CORE CAN OFFER GUIDANCE ON STATISTICAL METHODS AND EXPLORE POTENTIAL OPPORTUNITIES FOR COLLABORATIONS USING DATABASES FROM OUR OWN CENTER OF FROM THE VISITING SCHOLAR.</p>	<p>FOR PHYSICAL MEASURES, A LONGER VISIT WOULD ALLOW THE TRAINEE TO COLLABORATE WITH PMC FACULTY TO EXPLORE FUNCTION-RELATED RESEARCH QUESTIONS IN EXISTING DATASETS (E.G. PALS COHORT) FOR FUTURE PUBLICATION, AND/OR RECEIVE MORE COMPREHENSIVE TRAINING AROUND DATA PROCESSING, ANALYSIS, AND INTERPRETATION OF OBJECTIVE ACTIVITY MONITORING. FOR MOLECULAR MEASURES, A LONGER TERM VISIT COULD BE DONE AS A COLLABORATION-THE TRAINEE WOULD BUY KITS AND SHIP THEM IN ADVANCE AND PERFORM ANALYSES ON SITE-PERHAPS EVEN MEET WITH STAT TEAM FOR DISCUSSION OF ANALYTICAL APPROACHES. INTERVENTION DEVELOPMENT CONSULTATIONS USING THE MEDICAL RESEARCH COUNCIL/NIH FRAMEWORK, AS PART OF OUR WEEKLY WORKSHOP SERIES</p>

JOHNS HOPKINS UNIVERSITY	FOCI=FRAILTY, RESILIENCY, CHRONIC INFLAMMATION, SPECIALTY EXPERTISE AVAILABLE IN AGING BIOLOGY, INCLUDING MITOCHONDRIAL BIOLOGY, AS WELL AS IN PHYSIOLOGICAL STRESS-RESPONSE SYSTEMS, CLINICAL TRANSLATION, HIGH-TECHNOLOGY MEASUREMENT (E.G. IMAGING, ACCELEROMETRY, METABOLOMICS), EPIDEMIOLOGY AND BIOSTATISTICS OF AGING.	<p>THREE MULTI-WEEK VISIT EXEMPLARS:</p> <ol style="list-style-type: none"> 1. COMBINED VISIT TAKING COURSES IN JHU SUMMER INSTITUTE IN EPIDEMIOLOGY & BIOSTATISTICS / CONFERRING OVER RESEARCH PAPER DEVELOPMENT. 2. PROLONGED EXPOSURE TO ONGOING NIA-SUPPORTED STUDY ON PHYSICAL RESILIENCY IN OLDER ADULTS / CONFERRING OVER RESEARCH PAPER DEVELOPMENT. 3. PURSUIT OF CORE EDUCATIONAL MODULE AROUND FRAILTY INCLUDING EXPOSURE TO BIOLOGICAL, EPIDEMIOLOGICAL, CLINICAL STUDIES AND METHODOLOGICAL CHALLENGES. THIS COULD INCLUDE THE DEVELOPMENT OF A MANUSCRIPT RELATED TO FRAILTY, ITS ETIOLOGIES, AND ITS POTENTIAL TREATMENTS.
UNIVERSITY OF PITTSBURGH	MOBILITY AND BALANCE, BRAIN AGING AND MOBILITY, OSTEOPOROSIS AND FALLS, HEALTHY AGING BIOMARKERS, MUSCLE AGING	MUSCLE AND FAT BIOPSY AND TISSUE STUDIES, P31 MRS OF MUSCLE, NEAR INFRARED SPECTROSCOPY ON MUSCLE, ACTIGRAPHY, PERFORMANCE TESTING INCLUDING TREADMILL FOR PEAK VO2, ISOMETRIC AND ISOTONIC STRENGTH TESTING, POWER ASSESSMENT. BRAIN IMAGING INCLUDING DOPAMINE PET, PIB, VOLUMETRICS DXA BONE DENSITY AND PQCT LONG TERM CARE RESEARCH, MOBILE ASSESSMENTS
UCSF	USE OF EPIDEMIOLOGIC DATA SOURCES SUCH AS NHATS OR HRS; DETERMINANTS OF DISABILITY; VULNERABLE AGING POPULATIONS; DEVELOPMENT OF PROGNOSTIC INDICES; ADVANCE CARE PLANNING INTERVENTIONS	DEVELOPMENT OF ANALYSIS PLANS, MANUSCRIPTS, AND GRANT DEVELOPMENT

UTMB	<p>FOCI: MUSCLE AGING/SARCOPENIA, REHABILITATION, RECOVERY FROM ILLNESS, MEDICAL EFFECTIVENESS, CANCER OUTCOMES, OVERTESTING, PATIENT-CENTERED OUTCOMES RESEARCH, HISPANIC AGING. EXPERTISE: MOLECULAR BIOLOGY OF MUSCLE AGING, CELL CULTURE, TRANSGENIC ANIMAL MODELS, STABLE ISOTOPE METHODOLOGIES TO STUDY METABOLISM, CLINICAL TRANSLATION, PHYSICAL ACTIVITY INTERVENTIONS INVOLVING TECHNOLOGY, CLINICAL TRIALS IN HOSPITALIZED PATIENTS, EPIDEMIOLOGY, OUTCOMES.</p>	<p>LEARN HOW TO ESTABLISH PRIMARY MYOTUBE CULTURE FROM MUSCLE BIOPSIES; LEARN IMMUNOHISTOCHEMISTRY METHODS FOR MUSCLE STUDIES; DRAFTING APPROACH FOR GRANT APPLICATION. TRAINING ON RECRUITMENT OF HOSPITALIZED PATIENTS FOR CLINICAL TRIALS; DRAFTING PROTOCOL FOR GRANT APPLICATION. LEARNING SPECIFIC METHODOLOGIES FOR LARGE DATA RESEARCH; WRITING A PAPER OR DRAFTING APPROACH FOR GRANT APPLICATION. LEARNING METHODOLOGIES FOR RECRUITMENT OF HISPANIC VOLUNTEERS IN DEMOGRAPHIC STUDIES; INITIATE COLLABORATIONS WITH HISPANIC-EPESE OR MHAS COHORT INVESTIGATORS.</p>
UTHCSA	<p>TRANSLATIONAL GEROSCIENCE, PHARMACOLOGICAL INTERVENTIONS TO PROMOTE HEALTHY AGING, EXERCISE INTERVENTIONS TO PROMOTE HEALTHY AGING, NOVEL PRE-CLINICAL MODELS IN TRANSLATIONAL GEROSCIENCE SUCH AS THE MARMOSET MONKEY, ADVANCED METABOLIC TECHNIQUES RELATED TO AGING RESEARCH</p>	<p>LEARN ADVANCED CONCEPTS ON TRANSLATIONAL GEROSCIENCE, INCLUDING PHARMACOLOGICAL APPROACHES TO PROMOTE HEALTHY AGING</p> <p>FAMILIARIZE WITH THE MARMOSET AS A NOVEL MODEL IN TRANSLATIONAL GEROSCIENCE AND PARTICIPATE IN ONGOING STUDIES</p> <p>LEARN ADVANCED METABOLIC AND IMAGING TECHNIQUES RELATED TO AGING RESEARCH</p> <p>FAMILIARIZE WITH EXERCISE-RELATED RESEARCH AND PARTICIPATE IN ONGOING STUDIES</p>
WAKE FOREST SCHOOL OF MEDICINE	<p>CLINICAL TRIALS, WEIGHT LOSS AND/OR EXERCISE INTERVENTIONS, OBESITY, MUSCLE AND ADIPOSE TISSUE BIOLOGY, ASSESSMENT OF PHYSICAL FUNCTION, BIOSTATISTICS OF AGING</p>	<ol style="list-style-type: none"> 1) WORK ON A MANUSCRIPT WITH THE BIOSTATISTICS CORE AND KEY FACULTY USING ONE OF THE MANY CLINICAL TRIALS/OBSERVATIONAL DATA SETS HOUSED AT WAKE FOREST; 2) OBSERVE ONE OF THE ONGOING WEIGHT LOSS AND EXERCISE CLINICAL TRIALS INCLUDING STUDY VISITS AND/OR INTERVENTION SESSIONS; 3) OBSERVE AND ASSIST WITH THE MUSCLE AND/OR ADIPOSE TISSUE BIOPSY TECHNIQUE IN OLDER ADULTS WITH MULTIPLE COMORBIDITIES AND LEVELS OF PHYSICAL FUNCTION; 4) OBSERVE AND LEARN ABOUT ASSAYS OF MITOCHONDRIA RESPIRATION; 5) LEARN TO CONDUCT BIOMARKER ASSAYS USING THE ELISA TECHNIQUE.