

# NEW FACULTY ORIENTATION: RESEARCH

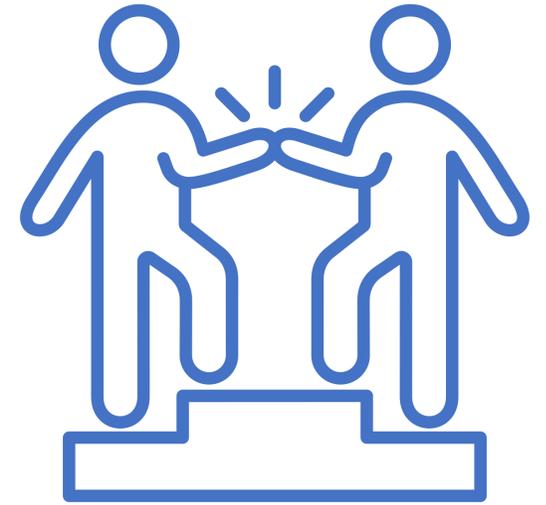
Ilhem Messaoudi, PhD

Acting Vice President for Research



# This presentation will cover:

- Mission & Organization
- Research support offices
- Career development
- Pilot funding
- Clinical research: CCTS & CRSO
- Safeguarding your research
- Centers & institutes, core facilities, Research Priority Areas
- Grant lifecycle
- F&A
- Technology Commercialization
- Undergrad and graduate resources



# UK Research Mission

The University of Kentucky supports and empowers innovative research in all forms practiced across our diverse campus, varied disciplines and 70+ centers and institutes.

UK faculty, staff and student researchers create, discover and apply new knowledge, and explore the most complex problems facing Kentucky, the nation and the world.

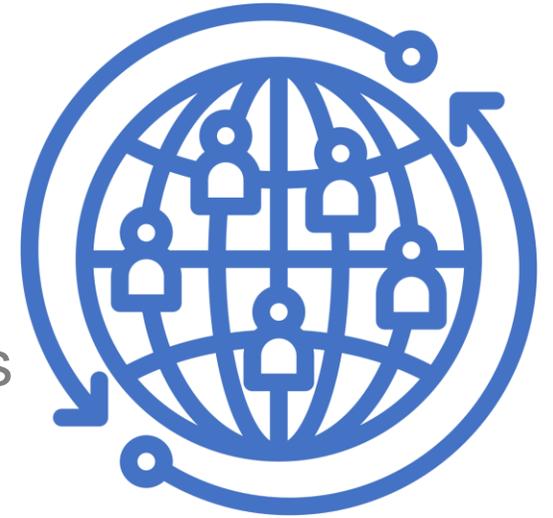
Our collaborative, cross-disciplinary research environment provides a rich training ground for the next generation of thinkers, creators and leaders.



# Research Support Offices

Under the Office of the Vice President for Research

- Administrative and Fiscal Affairs (RAFA), Judy Duncan
- Collaborative Grant Services (CGS), Susan Stark
- Clinical Research Support Office (CRSO), William W. Stoops
- Office of the Attending Veterinarian (OAV), Michael W. Hart
- Office of Research Integrity (ORI), Helene Lake-Bullock
- Office of Sponsored Projects Administration (OSPA), Kim Carter
- Proposal Development Office (PDO), Kathleen Grzech
- Research Communications, Alicia Gregory
- Research Information Services (RIS), Billy Clark
- UK Innovate, Ian McClure



# Before you start your research

Under the Office of the Vice President for Research



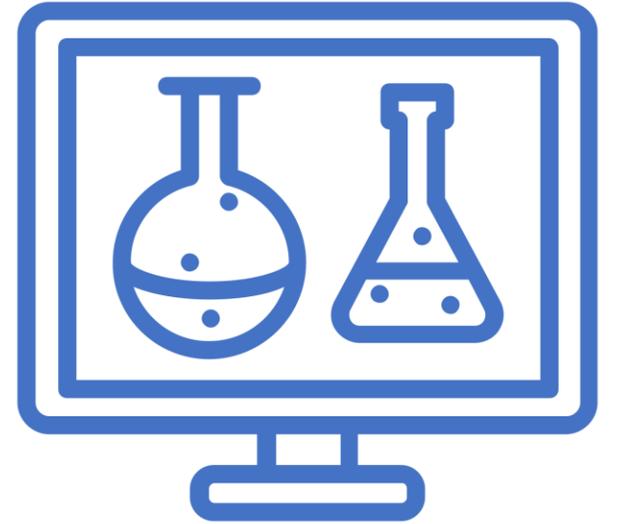
## Pilot Funding

- CURATE Research Support Program
- Igniting Research Collaborations (IRC)
- UKinSPIRE (Seeding Partnerships for International Research Engagement)
- Research Priority Areas (RPAs)

# Before you start clinical research

## Center for Clinical and Translational Science (CCTS)

- Unites clinicians, researchers and communities to accelerate translation of basic science discoveries to tangible improvements in health, with particular focus on Appalachia.
- Pilot Funding Program stimulates innovative science to accelerate improvements in health, prioritizes multidisciplinary research and projects that focus on health disparities.
- Community Engagement and Enrichment Core empowers local solutions for health, brings research from campus to meet people where they are.



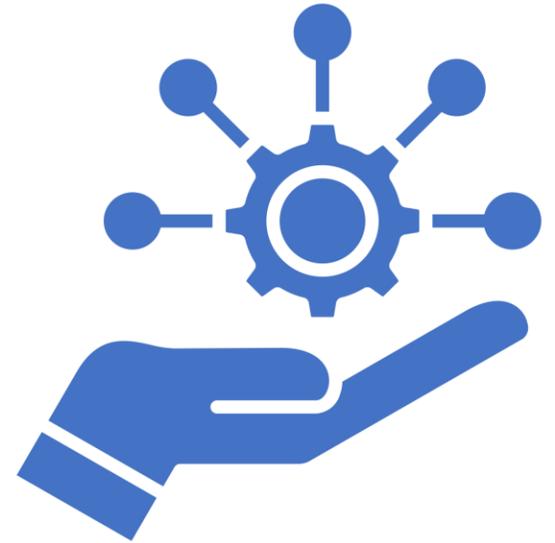
[cctsnavigators@uky.edu](mailto:cctsnavigators@uky.edu)

[www.ccts.uky.edu](http://www.ccts.uky.edu)

# Before you start clinical research

## Clinical Research Support Office (CRSO)

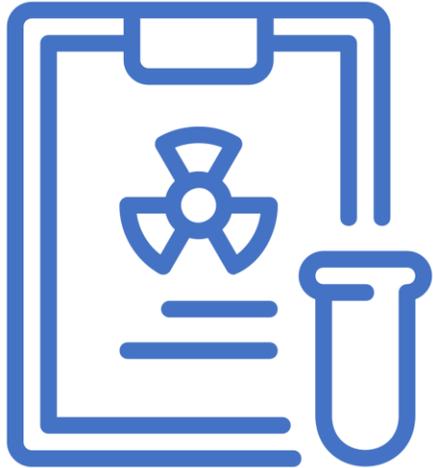
- Assists investigators in conducting NIH-defined clinical trials across campus to facilitate compliance, cost reimbursement, and participant data management through application of best practices.
- Offers support for OnCore clinical trial management system, billing integrity and coverage analysis, as well as finance and regulatory assistance in partnership with the CCTS.



[crsoctms@lsv.uky.edu](mailto:crsoctms@lsv.uky.edu)

[www.research.uky.edu/clinical-research-support-office](http://www.research.uky.edu/clinical-research-support-office)

# Safeguarding your research



- Institutional Biosafety Committee (IBC)
- Institutional Animal Care and Use Committee (IACUC)
- Institutional Review Board (IRB)
- Responsible Conduct of Research (RCR)
- Export Controls & Sanctions Compliance

# Core Facilities

Under the Office of the Vice President for Research



- Animal Behavior Core (ABC)
- Division of Laboratory Animal Resources (DLAR)
- Energy Balance and Body Composition Core (EBC)
- Flow Cytometry and Immune Function Core
- Light Microscopy Core
- Magnetic Resonance Imaging and Spectroscopy Center (MRISC)
- Mass Spectrometry and Proteomics Core
- Pathology Research Core

# Research Centers & Institutes

Under the Office of the Vice President for Research

- Center for Applied Energy Research (CAER)
- Center for Clinical & Translational Science (CCTS)
- Center for Computational Sciences
- Center for Health Services Research (CHSR)
- Center for Structural Biology
- Center for the Environment
- Center of Membrane Sciences
- Human Development Institute (HDI)
- Institute for Biomedical Informatics (IBI)
- Kentucky Geological Survey (KGS)
- Kentucky Water Research Institute (KWRI)
- Markey Cancer Center
- Tracy Farmer Institute for Sustainability & the Environment (ISE)

# Research Priority Areas (RPAs)

Under the Office of the Vice President for Research

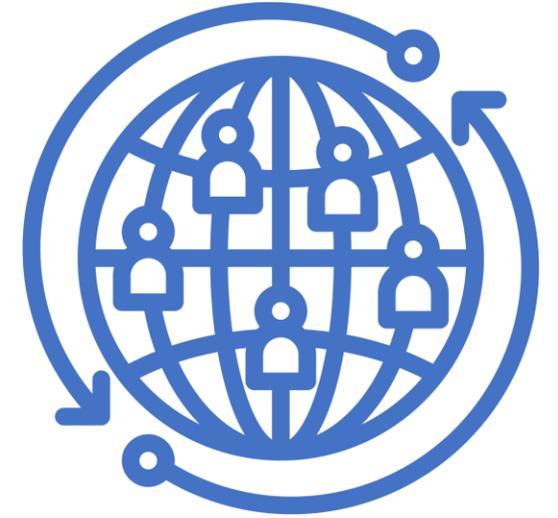
## RPA Program Impact FY23

- \$4.02 million in expenditures
- Recruitment of six research-active faculty
- \$440,000 committed to research start-up funds
- \$110,000 retention package
- \$1.2 million committed to pilot projects
- \$518,000 in equipment and core facilities support
- \$331,000 in trainee and student research support



# Grant Lifecycle

We'll go step by step through the grant lifecycle.



Offices involved:

- **Proposal Development Office (PDO)**
- **Collaborative Grant Services (CGS)**
- **Office of Sponsored Projects Administration (OSPA)**
- **Research Financial Services (RFS)**

[www.research.uky.edu/proposal-development-office/proposal-development-route](http://www.research.uky.edu/proposal-development-office/proposal-development-route)

# Develop an Original Idea

Develop an  
Original Idea



## You

- Review the literature
- Notify your department chair/mentoring committee
- Contact PDO to discuss idea

## PDO

- Identifies funding sources and/or collaborators
- Offers pre-submission consultation

# Pre-Proposal Activities

Pre-Proposal  
Activities



## You

- Review potential funding sources
- Assess fit, deadline and proposal requirements of identified funding opportunity
- Draft abstract of proposed project
- Contact potential sponsor to discuss proposal fit
- Submit Proposal Initiation Form

[www.research.uky.edu/collaborative-grant-services/proposal-initiation](http://www.research.uky.edu/collaborative-grant-services/proposal-initiation)

# Pre-Proposal Activities

Pre-Proposal  
Activities



## CGS

- Discuss preliminary plans with CGS Pre-Award Grant Specialist, including guideline review and timeline planning
- Assists in proposal planning and develops proposal checklist
- Serves as liaison with OSPA to interface with sponsor if needed

## PDO

- Identifies sample proposals, as needed
- Identifies potential collaborators

# Draft Your Proposal

Draft Your  
Proposal



## You

- Draft proposal narrative and ask PDO (optional) and colleagues to review
- Discuss budget development with CGS Pre-Award Grant Specialist
- Submit separate protocols to institutional review committees

# Draft Your Proposal

Draft Your  
Proposal



## CGS

- Assists PI with budget development
- Prepares Internal Approval Form (IAF) and sponsor-required forms
- Provides additional guidance per the CGS Pre-Award Service Catalog

## PDO

- Critiques proposal drafts and reviews biosketches
- Offers consultation to discuss proposal critique
- Provides institutional descriptions of UK facilities and resources
- Assists in drafting supplementary documents (e.g., letters)
- Makes referrals to other research units as needed

# Prepare and Submit Formal Proposal

Draft Your  
Proposal



## You

- Revise final draft

## CGS

- Reviews final proposal draft and provide comments and edits
- Tracks IAF routing to support adherence to internal deadline
- Submits final proposal to OSPA for review before submission to sponsor to support adherence to internal deadline

## OSPA

- Reviews proposal for compliance with sponsor and UK guidelines
- Transmits proposal to sponsor

# Follow-up for Pending Award

Pending Award



## You

- Ensure SciENCv is updated/current in anticipation of Just-in-Time request
- Be available for negotiation discussion and revision
- Obtain approval from institutional review boards

## OSPA

- If funded, reviews award terms and negotiates any changes

## CGS

- Support Just-in-Time request needs or any need for post-submission material

# Activate Your Award

Activate Your  
Award



## You

- Provide any required sponsor forms or internal documents (e.g. revised budgets, IRB approval)

## OSPA

- Updates OSPA database with award information
- Prepares award setup file for transfer to Research Financial Services
- Informs PI, college/department of account number through distribution of Project Account Data Record (PADR)

## CGS

- Supports the PI for needs such as a revised budget to facilitate account set up by OSPA

## RFS

- Establishes an account number and informs OSPA

# Resubmission Application

Resubmission  
Application



## You

- Share review with PDO and others
- Draft response to reviewer comments
- Draft resubmission application
- Follow previous steps for preparation, review and submission of revised application

## PDO

- Offers resubmission consultation to go over reviewers' critiques
- Advises on resubmission strategies
- Critiques resubmission application

[www.research.uky.edu/proposal-development-office/proposal-development-route](http://www.research.uky.edu/proposal-development-office/proposal-development-route)

# F&A



- What is F&A?
  - Facilities and administrative (F&A) costs, also called indirect costs
  - Incurred for common objectives but not related to a specific project (utilities, building maintenance and operations, security, insurance, general purpose supplies and equipment, and central administrative staff expenses).
  - The process of negotiating and receiving new F&A rates takes place every two to three years. Recovered F&A costs strongly impact UK's ability to grow research capacity.
- OVPR returns part of recovered F&A to the unit and college.
  - Based on the F&A enrichment split determined during account setup once a project is awarded.
- Units/colleges use these funds for faculty research support (start-up, retention, bridge funding), graduate student support, research equipment (purchase, upgrades, maintenance), research seminars, research travel, research supplies, grant support (cost share, administrative support). Funds are not used to support teaching.

# Research Career Development

Under the Office of the Vice President for Research



- Research Leadership Academy
  - Research Leadership Development Program
  - Complex Programmatic Grant Development Program
  - Emerging Themes for Research Program



- Research Scholars Program (RSP)
- Postdoctoral Fellowship Program

# UK Innovate: Technology Commercialization



## Innovation

- You research and discover the innovation
- You disclose innovation

## Assessment

- UK Innovate completes a technology and market assessment of the innovation
- UK Innovate pursues appropriate IP protection

## Commercialization

- UK Innovate develops and implements a commercialization strategy for licensing the innovation to a startup or to established company

# Undergrad, Graduate & Postdoctoral Research



**FORAGER**ONE

**MENTORSHIP DRIVING THE FUTURE OF RESEARCH.**

- Claim Your Profile.
- Promote Research Opportunities.
- Connect with Aspiring Students.

Office of Undergraduate Research [our.uky.edu/ForagerOne](http://our.uky.edu/ForagerOne)



## Office of Undergraduate Research (OUR)

- Resources for students
- Resources for mentors
- ForagerOne (portal to connect students to mentors)

## The Graduate School

- Fellowships
- Teaching & research assistantships
- Professional enhancement
- Office of Postdoctoral Affairs

We are here to support you and your research endeavors.

Please reach out.

[www.research.uky.edu](http://www.research.uky.edu)

