



Keys to Research

Faculty Research & Professional Development Program

AY 2021-2022


Pursue federal, state and private sector grants from external agencies


Be successful in peer review publishing


Contribute to a culture of research compliance and ethical behavior

Workshops will take place on the following dates from 11:00 am – 2:00 pm.

Workshop 1
September 24, 2021

Workshop 4
December 16, 2021

Workshop 7
March 25, 2022

Workshop 2
October 29, 2021

Workshop 5
January 28, 2022

Workshop 8
April 29, 2022

Workshop 3
November 19, 2021

Workshop 6
February 25, 2022

Workshop 9
May 6, 2022

Read more about the program and Register Online by Sept. 10:

<https://www.utrgv.edu/research/faculty-prof-dev/keys-research-faculty-program/index.htm>

Workshop 1: September 24, 2021

Introduction to Faculty Research and Professional Development Program.

UTRGV Research Forms, Policies, and Guidelines;

PIVOT – your expert in connecting scholars to funding opportunities;

Identifying appropriate federal and state agencies or private foundations to support individual faculty research efforts; How to find the appropriate program and funding mechanism for research idea;

Funding Opportunity Announcement (FOA): understand eligibility requirements, goals, needs and procedures; Initiate collaborations with your colleagues for potential help to accomplish your proposed goal.

Recruiting students for research;

Office of Sponsored Programs (OSP) at UTRGV: submitting an Intent to Submit form and Proposal Transmittal Form (PTF).

Workshop 2: October 29, 2021

Assistance and guidance in NSF proposal writing for CAREER and research grants;

Identifying the Intellectual Merit and Broad Impacts for the individual faculty specific research programs; How to formulate clear research questions early in your proposal? Why is it important to gain the insights or information you are seeking?

How to create a Compelling, Informative title for your Proposal;

Research team and expertise needed to carry out the proposed work, your NSF CV and research background/accomplishment. Summary of the proposal;

Introduction to Research Compliance, training on policies, procedures and responsible conduct in research.

Workshop 3: November 19, 2021

Assistance and guidance in NSF proposal writing for NUE, MRI, REU/RET, SBIR/STTR programs;

Identifying the Intellectual Merit and Broad Impacts for the individual faculty specific research programs;

Transformative research vs. Incremental improvements of existing approaches and technologies;

Key proposal elements: Introduction/Background, Rational/Needs, Goals & Objectives, Methodology, Preliminary data, Research/Educational Outcomes/Impact, Evaluation/Assessment; Resources & Capabilities;

Assistance and guidance for NSF Budget and Budget Justifications preparation;

NSF review and peer review processes;

Training: Ethics and compliance in research, conducting research responsibly - mentor/mentee relationship, authorship.

Workshops will take place on the following dates from 11:00 am – 2:00 pm.

Workshop 4: December 16, 2021

Introduction of NIH programs: SCORE - SC1, SC2 SC3; Assistance and guidance in NIH proposal writing; Key elements of NIH proposal: Specific Aims, and Narrative Description, Background and Significance, Research Design & Methods, and Preliminary Studies; Abstract of the proposal; Assistance and guidance for NIH Budget and Budget Justifications preparation; Institutional Review Board (IRB): Human Subjects Protection.

Workshop 6: February 25, 2022

Introduction of U.S. Department of Defense (DOD) research programs: Army Research Office, Office of Naval Research, and Air Force Office of Scientific Research; DOD Basic Research Program for Historically Black Colleges and Universities and Minority-Serving Institutions (HBCU/MI); U.S. Air Force Research Lab Summer Faculty Fellowship Program; Assistance and guidance for peer review publications; Why should I protect my Work and Ideas with a patent? Material Transfer Agreements and Disclosure of New Technology; Training: Collaborative Research, International Travel and Export Controls.

Workshop 8 : April 29, 2022

Introduction to US Department of Education Research Grant Programs: Institute of Education Sciences; Career and Technical Education (CTE), The Cognition and Student Learning (CASL), The Early Learning Programs and Policies, The Education Leadership, The Education Technology Research Program, The Effective Teachers and Effective Teaching. STEM Education topic (curricula, programs, and assessments); The Social and Behavioral Context for Academic Learning, (assess students, social-behavioral competencies, and teacher practices); Commitment to sustainable practices in academics, research, operations, governance, and engagement; Individual faculty Research and Lab Website development; Training: Time & Effort reporting.

Workshop 5: January 28, 2022

Introduction of NIH programs: R series - Research Grants, K series - Career Development Awards, T&F series - Research Training and Fellowships, P series - Program Project/Center Grants; Assistance and guidance in proposal writing to NIH, key elements of NIH proposal: Specific Aims, Narrative Description (continuation); Background and Significance, Research Design & Methods, and Preliminary Studies (continuation); NIH Biographical Sketches; Animal Care and Use Committee (IACUC): Animal research and UTRGV animal facility; Biosafety in the Lab and IBC/HBA Registration.

Workshop 7: March 25, 2022

Oak Ridge Associated Universities (ORAU) research funding and collaboration opportunity; Introduction of U.S. Department of Energy (DOE) research programs: Basic Energy Sciences (BES); Biological and Environmental Research (BER); High Energy Physics (HEP); Workforce Development for Teachers and Scientists (WDTs); DOE Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR); DOE Laboratories and research opportunity with them; UTRGV library resources and access to supercomputing. Training: Conflicts of Interest.

Workshop 9: May 6, 2022

Introduction to the US Department of Agriculture (USDA) Research Grant Programs: Agriculture and Food Research Initiative; USDA programs: Agricultural Research Service (ARS); Economic Research Service (ERS), and The National Agricultural Statistics Service (NASS); The National Institute of Food and Agriculture (NIFA) grant opportunity; Initiating collaborations and Summer fellowship activity; Training: Property Management.

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