Agenda:

• Land Acknowledgment: OVPR Assoc. Dir., Greg Trejo

• Opening Remarks: Provost James Holloway

• UNM State of Research: VPR Ellen Fisher

• Q&A Session
Land Acknowledgment

Founded in 1889, the University of New Mexico sits on the traditional homelands of the Pueblo of Sandia. The original peoples of New Mexico – Pueblo, Navajo, and Apache – since time immemorial, have deep connections to the land and have made significant contributions to the broader community statewide. We honor the land itself and those who remain stewards of this land throughout the generations and also acknowledge our committed relationship to Indigenous peoples. We gratefully recognize our history.
The University of New Mexico
Opening Remarks
The University of New Mexico

2023 State of Research
The Office of the Vice President for Research

OUR TEAM:

Ellen Fisher, Ph.D.
VP for Research

Anita Grierson
Operations Dir., GC Program

Gloria Quintana
Executive Assistant

Thomas Turner, Ph.D.
Interim Associate VP for Research

Grace Faustino
Manager, IT Services

Samuel Mascarenas
Administrative Coordinator

Melissa Emery Thompson, Ph.D.
Assistant VP for Research

Marissa Lucero
Manager, Comm. & Marketing

Risa Smith
Student Office Assistant

David Hanson, Ph.D.
Assistant VP for Research

Daniel Brenden
Sr. Web Designer

Anmol Singh Gill
Student Technical Specialist

Patrick Bridges Ph.D.
Special Assistant to the VPR

Linda Barril
Technical Training Consultant

Lauren Taylor
Student Office Assistant

Greg Trejo
Associate Dir., Finance & Admin.
Welcome the newest member of the OVPR

Omathanu “Om” Perumal, Ph.D.
UNM Associate Vice President for Research
OVPR Units

Faculty Research Development Office (FRDO)

Hannah Torres
Director

Office of Sponsored Projects (OSP)

Rosa Gonzalez-Rosenblatt
Director

Office of Research Integrity & Compliance (ORIC)

Linda Mayo
Interim Executive Director
Centers and Institutes

- Bureau of Business and Economic Research (BBER)
- Center for Advanced Research Computing (CARC)
- Center on Alcohol, Substance Use, and Addictions (CASAA)
- Center for High Technology Materials (CHTM)
- Center for Micro Engineered Materials (CMEM)
- Established Program to Stimulate Competitive Research (EPSCoR)
- Geospatial and Population Studies (GPS)
- Land Grant Studies Program (LGSP)
- Southwest Hispanic Research Institute (SHRI)
OVPR Research Council

22-MEMBER COUNCIL

- All Main Campus Colleges/Schools
- Nine Category Three Centers
- URAD
- Graduate Studies
- Faculty Senate
OVPR Strategic Goals

Strategic Goal 1: Advance UNM’s stature as a world-renowned research university.

Strategic Goal 2: Create transformational educational experiences for all students.

Strategic Goal 3: Enhance customer-focused research administration.

Strategic Goal 4: Establish robust partnerships with external stakeholders.

Strategic Goal 5: Create & employ effective communication.
GOAL 1: ADVANCE NEW MEXICO  ->  RESEARCH EXCELLENCE

GOAL 2: STUDENT EXPERIENCE  ->  EDUCATIONAL EXPERIENCE

GOAL 3: INCLUSIVE EXCELLENCE  ->  CUSTOMER-FOCUSED ADMIN

GOAL 4: SUSTAINABILITY  ->  ROBUST PARTNERSHIPS

GOAL 5: ONE UNIVERSITY  ->  EFFECTIVE COMMUNICATION
ANNUAL RESEARCH LECTURE
2022 RECIPIENT

Dr. Vojo Deretic
Distinguished Professor
MGM Department Chair & AIM Center Director

MARCH 30 | 5:30 P.M. | DOMENICI AUDITORIUM

COMMUNITY-ENGAGED RESEARCH LECTURE
2023 RECIPIENT

Dr. David Schade
Distinguished Professor
Division of Endocrinology & Metabolism Chief

APRIL 19 | 5 P.M. | DOMENICI AUDITORIUM
Globally-Engaged Research Award

2022 Inaugural Awardee

- Earth and Planetary Sciences Professor Tobias Fischer

Ovation Awards

2022 Inaugural Awardees

- Assoc. Professor Tiffany Florvil
- Professor Irene Salinas
- Professor Marjori Krebs
- Professor Subhankar Banerjee
- Professor Richard White
- Professor Heather Edgar
- Asst. Professor Diana Dragomir
- Assoc. Professor Christina Salas

Faculty-Mentored Research Award

2022 Inaugural Awardees

- Chemical & Biological Engineering Professor Achraf Noureddine
- Biochemistry BA/MD student Lien Tang
Alfred P. Sloan Foundation

2023 Sloan Research Fellowship in Neuroscience

UNM Biology Assistant Professor Mubarak Hussain Syed
Venice Biennale Art Exhibition

Top Research Award 2022: *a Library, a Classroom, and the World*

UNM Art and Ecology Professor Subhankar Banerjee
RESEARCH SUCCESS
Successful Aging

Substance Use Disorders

Sustainable Water Resources
THE UNIVERSITY OF NEW MEXICO'S

Grand Challenges

• $2.1M INITIAL INVESTMENT
• >$50M NEW FUNDS GENERATED
• 350+ FACULTY AND STAFF RESEARCHERS
• 1,500 STUDENTS ENGAGED
• CREATION OF 10 LEVEL 1 CONCEPT TEAMS
LEVEL 1 CONCEPT TEAMS

- Basic Needs in Higher Education
- Child Health
- Culturally Responsive Literacy
- Data Science Education
- Housing Justice
- Indigenous Child Development
- Just Transition to Green Energy
- Mental Health & Suicide Prevention
- Space Science
- STEM Education
BY THE NUMBERS

• 30+ RESEARCH EVENTS

• 3 KEYNOTE LECTURES

• Attendees:
  o Alumni
  o Primary School Students
  o Out-of-State Faculty
  o NM State Government Leaders
UNM FIRST

- $15.6M FIVE-YEAR AWARD
- NINE NEW DIVERSE FACULTY HIRES
- NOVEL MENTORING PLAN AND GENEROUS START-UPS FOR NEW HIRES
- ONGOING SEARCHES IN SIX STEM DEPARTMENTS
- GOAL IS TO ENHANCE INCLUSIVE EXCELLENCE AT UNM
FEDERAL PRIORITIES HIGHLIGHTS

• Advancing the Directed Energy Center
• Language Science Skills for Indigenous Students
• Strengthening The UNM Center for Molecular Discovery
• Methane and Other Natural Gas Monitoring
• Artemis in 3D – a STEAM Challenge and Training Program
• Taos Observatory and Astronomy Center
• Reducing Alcohol-Related Mortality + Multi-tier Prevention Programs
• Sustainable Space Research
• Alliance for HSRU
WeR1 Faculty Success Support: >$2M Invested

- **Summer Research Faculty Support (SuRF)**
  - 134 Faculty Supported in FY21-FY23
  - $481K

- **Faculty Scholarship Time (FaST)**
  - 70 Faculty Supported since FY22
  - $370K

- **Program to Enhance Research Capacity (PERC)**
  - 21 Projects Supported FY22-FY23
  - $1.15M

- **Fostering Research Expansion in the Social Sciences & Humanities (FRESSH)**
  - 20 Faculty Supported in FY23
  - $60K (joint w/College of Arts & Sciences, COEHS)
  - 8 proposals submitted (thus far); 1 NEH Award Received; 1 NSF award likely

- **Leadership Innovation for Faculty Transformation (LIFT) Program - Pilot**
Additional Faculty Development Activities

FRDO Workshops

• New Lunch & Learn Series for early career faculty in all fields (spring 2023)
  o Six thematic sessions discussing resources to assist with pursuing funding for research, scholarship, or creative activities.
  o Five sessions devoted to specific early career funding opportunities with a particular focus on the NSF CAREER program

• Joint workshop with URAD, opportunities to support undergraduate research
  o Workshop focus on URAD’s new “Plug-and-Play” service intended to ease the process of applying for and implementing grants to increase undergraduate research opportunities at UNM
UNM Postdocs

• University Membership: National Postdoctoral Association
• Inclusive Excellence Post Doctoral and Visiting Scholars Program
• School of Medicine Postdoctoral Program
• Joint Steering Committee
ZANCADA GRADUATE FELLOWS PROGRAM
2022 Inaugural Cohort

11 UNM GRADUATE STUDENTS

MENTORSHIP OPPORTUNITIES

PROMOTES INTERDISCIPLINARY COLLABORATION

11 DIVERSE DISCIPLINES

2023-2024 Cohort Applications Due: April 14
RESEARCH ADMINISTRATION
BY THE NUMBERS

• Streamlyne went live Oct. 17, 2022
• Permanent transition Nov. 22, 2022
• 242 proposals successfully submitted ($122M)
• Approximately 50 proposals submitted directly to Federal sponsors
• More than 80 pre-proposals or unfunded agreements processed
• 363 IRB submissions since May 18, 2022
• 1,868 COI disclosures submissions since Nov. 7, 2022
Streamlyne Training Videos

- IRB New Protocol
- IRB Amendment
- Educational Workshop Series
THANK YOU!

Research Administrators
UNM Information Technologies
Financial Systems Management
Enterprise Technology

SAVERS
RESEARCH COMMUNICATION
UNM Research 2022 Trifold

Website Re-design
RESEARCH PARTNERSHIPS
Major NSF Opportunities

• NSF mandated to increase funding to EPSCoR states
  o Jump to 15% in FY 2023
  o Keep increasing until 25% by 2025

• New NSF Technology, Innovation, Partnership (TIP) Directorate
Research Driven Economic Development

• RALI-WEST
  • Clean water in every tap and decarbonized energy to every door
    o 15 partnering institutions
    o UNM units: SOE, A&S, SAAP, ASM, COEHS, HSC, Fine Arts, Law, CARC, CHTM, NM EPSCoR
  • Focused on creating a diverse, inclusive, and vibrant economy to the rural and urban areas in the region.
• 88 Senior Personnel
• 27 Additional Collaborating Public & Private Organizations
Technology Enhancement Fund

• Research support from NM Legislative & Executive Branches
  • $45M authorized for matching funds in STEM and related areas
  • $20M allocated for distribution in FY23
    • $4M secured as match for the $20M NSF NM EPSCoR proposal
    • More than $14M to be allocated this month, more than $6M estimated for UNM led projects
  • Additional $40 million currently in House Bill 2

• How do YOU gain access?
  • Higher Education Department (HED) distributes based on TEC recommendations
    • Technology Enhancement Committee (TEC) members are VPRs and tech transfer leads
  • QUARTERLY CALLS FOR REQUESTS: Due Mid-April
  • Unused funds will revert to the HED for re-allocation in subsequent quarters
Sandia National Lab
Faculty Sharing Program

• 11 JOINT APPOINMENTS SUBMITTED

• ATTRACTS, RETAINS, AND RECOGNIZES STAFF/FAULTY AT ALL LEVELS

• PROVIDES OPPORTUNITIES FOR COLLABORATION BETWEEN UNM AND SNL SCIENTISTS

• SPECIALIZED SCIENTISTS SUITED FOR ENGINEERING AND MATHEMATICS RESEARCH
Sandia National Lab (SNL) University Partnership Network Collaboration - Building Seed Funding

- REPLACED SNL ACADEMIC ALLIANCE LDRD SUPPLEMENTAL FUNDING
- 6 FACULTY SELECTED
- $25K/AWARD FOR A TOTAL OF $150K
RESEARCH MEASURES OF EXCELLENCE
Awards Received

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<th>Year</th>
<th>Health Sciences</th>
<th>Main &amp; Branch</th>
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<td>2018</td>
<td>1,699</td>
<td>884</td>
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<tr>
<td>2019</td>
<td>1,676</td>
<td>836</td>
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<td>2020</td>
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<tr>
<td>2022</td>
<td>1,625</td>
<td>817</td>
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- Health Sciences: 815, 840, 781, 881, 808
# RESEARCH EXCELLENCE

## Awards in Dollars

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<th>Year</th>
<th>Health Sciences</th>
<th>Main &amp; Branches</th>
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<td>2018</td>
<td>$297,318,418</td>
<td>$185,252,298.00</td>
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<td>2019</td>
<td>$310,326,382</td>
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<td>2022</td>
<td>$395,687,326</td>
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- **Health Sciences**
- **Main & Branches**
Research Excellence

Research Expenditures

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<th>Year</th>
<th>Health Sciences</th>
<th>Main &amp; Branches</th>
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<td>2022</td>
<td>$225,757,340.83</td>
<td>$129,275,672.71</td>
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RESEARCH IS EDUCATION
WHAT’S NEXT?
CELEBRATING NEW LOBO LEADERSHIP

College of Arts and Sciences: Interim Dean Janie Chermak
Anderson School of Management: Interim Dean Julie Coonrod
School of Medicine: Dean Patricia Finn
College of Education and Human Sciences: Interim Dean Kris Goodrich
College of Nursing: Interim Dean Carolyn Montoya
School of Engineering: Dean Donna Riley
UNM Health Sciences: Interim VPR Hengameh Raissy
COLLABORATION BETWEEN OVPR, PROVOST OFFICE, AND COLLEGES

APPROXIMATELY $1M FOR FACULTY HIRES STARTING IN FY24

INTENDED FOR STRATEGIC HIRES

CURRENTLY ACCEPTING REQUESTS
INCREASING SUPPORT FOR RESEARCHERS

- OSP BUSINESS ANALYST
- CGA SENIOR FISCAL SERVICES SUPERVISOR
- TWO FRSO’S
- INTERDISCIPLINARY PROJECT COORDINATOR
- DEVELOPMENT OFFICER FOR FOUNDATION RELATIONS
Promising Future Category Three Centers

ARID
ACCELERATING RESILIENCE INNOVATIONS IN DRYLANDS

QUANTUM NEW MEXICO
New Mexico is a Quantum State
Research Infrastructure

• CAPITAL PROJECTS LEADERSHIP TEAM
  o Animal Research Facility
  o CHTM Roof

• EQUIPMENT
  o 3D Metal Printer
  o Post-production Lab

• ACTION GROUPS UNDER RESEARCH COUNCIL
  o Facilities
  o Research Strategy
UNM
OFFICE OF RESEARCH INTEGRITY & COMPLIANCE

- Creation of Taskforce
- Accepting UNM Community Feedback
- Evaluation of Strengths and Potential Growth
LEVEL 2 PROGRAM
REQUEST FOR PROPOSALS DUE: Monday, May 1
NEXT COHORT: 3-5 Teams
INITIAL SEED FUNDING: $200,000
DO NOT HAVE TO BE LEVEL 1 TEAM TO APPLY
Lightning Lounge

GOES NATIONAL

Washington, D.C.
April 18
STATE OF RESEARCH 2023

Q&A