

Welcome!

Undergraduate Pipeline Network (UPN) Summer Research Experience Application

Hello and thank you for applying to the University of New Mexico School of Medicine Undergraduate Pipeline Network. We will contact you with a decision about participating in the program by the end of April. If have any questions before then, please feel free to contact somreo@salud.unm.edu

Program Dates
Starting May 29 through August 2 2024

IMPORTANT DEADLINE

**UPN 2024 application must be complete by Midnight MST,
February 1, 2024**

Any incomplete application submitted after the deadline will not be reviewed or considered. Be sure to give yourself plenty of time to complete all sections of the application before the deadline. A complete application requires the following documents, including the letter of recommendation, to be turned in to the UPN program.

- ◆ A complete online application, which includes your personal statement, an **unofficial** copy of ALL of your transcripts, and a copy of your current academic resume or CV. Unofficial transcripts should not cost money.
- ◆ One letter of recommendation -- Submit your referee's information within this application so we know from whom to expect a letter. You are responsible for asking your referee for a letter of recommendation, which should be uploaded to [this Smartsheets link here](#) before the application deadline (see UPN Admissions website for more details).
- ◆ Your references should be either recent research mentors or faculty members at institutions of higher learning. They should be able to comment on your current ability to perform academically at the undergraduate level and/or comment on your recent research experience.
- ◆ Let your references know of the deadline you are trying to meet. It is your responsibility to confirm with your letter writer they have submitted your recommendation letter before the deadline.

Before you begin, it would be helpful to have your personal statement ready to submit within the application. Your personal statement should include:

1. Your career goals
2. Reasons for wanting to engage in summer research
3. How the UPN program fits into your career plan

Cancer Research—Scholarship and Training Experiences in Population Science (C-STEPS) Program

Along with the UPN Program, UNM also offers the “Cancer Research—Scholarship and Training Experiences in Population Science” (C-STEPS) Program. Scholars in the C-STEPS Program have the opportunity to explore research and careers in Cancer Control and Population Sciences. C-STEPS provides scholars with hands-on, skills based research experiences across the cancer continuum, from prevention to survivorship. These activities will

help you meet your graduate and medical school goals. Scholars in the C-STEPS Program are exposed to all activities in the UPN Program in addition to activities of the C-STEPS Program.

TIPS:

1. We recommend you write your personal statement and other long answer questions in a Word program so that you can save your answers as well as run spell check and copy and paste into this online form.
2. DO NOT click the "Done" button until you are satisfied that you have answered all the questions. Once you have clicked the "Done" button, your application will be submitted as is and you will not be able to make edits.
3. Please remember to proof-read your entire application before you click the "Done" button.
4. Click the "Done" button once you are ready to submit your completed application.

Time Commitment:

Please note: The time commitment to the UPN program is extensive. All coursework must be completed before the UPN program start date. Students must give a full-time effort (40+ hours per week), which will include evening and weekend activities. Participants are prohibited from enrolling or participating in additional programs and/or courses if selected to participate in the UPN program.

Citizenship:

* 1. I have read and understand the instructions for the UPN online application process.

Yes

No

Personal Information

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* 2. Last Name

* 3. First Name

4. Preferred First Name (if different from first name)

5. Middle Initial

6. Where did you hear about the UPN program? (select all that apply)

Email from UNM SOMREO

Friend

Family

Professor

Staff member

SACNAS Conference

ABRCMS Conference

UPN Alumni

Other (please specify)

7. Current Mailing Address (Including City, State, Zip Code)

8. Permanent Mailing Address (Including City, State, Zip Code)

9. Where do you prefer to be contacted?

- Current Address
- Permanent Address

* 10. Phone Numbers

Cell Phone Number

Permanent Phone Number

11. Can we text your cell phone number?

- Yes
- No

* 12. Please provide an email address that you check regularly and that we can use to contact you after you graduate from undergrad.

13. Date of Birth

Date of Birth

Date

14. Place of Birth

15. Gender:

- woman
- man
- Another (please specify)

* 16. Citizenship - This Question Requires an Answer

- U.S.A. Citizen
- U.S.A. Permanent Resident (Green Card Holder)
- I am not a USA citizen or green card holder (Note: We often do NOT have funding for non-USA citizens or green card holders).

* 17. Briefly describe any other obligations during the UPN program from its start date in late May to its end date in early August (ex. fellowships, scholarships, coursework, employment, trips/events, etc.)

Please note: The time commitment to the UPN program is extensive. All coursework must be completed before the UPN program start date. Students must give a full-time effort (40+ hours per week), which will include evening and weekend activities. Participants are prohibited from enrolling or participating in additional programs and/or courses if selected to participate in the UPN program.

Race & Ethnicity

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The University of New Mexico is required by Federal law to request this information for statistical reporting purposes.

Your response is voluntary.

Federal Race and Ethnicity Definitions:

Hispanic or Latino: A person of Cuban, Mexican, Puerto Rican, South or Central American, or Spanish culture or origin, regardless of race.

American Indian or Alaska Native: A person having origins in any of the original peoples of the North and South America (including Central America) who maintains cultural identification through tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

Black or African American: A person having origins in any of the black racial groups of Africa.

Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Island.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

18. Do you consider yourself to be Hispanic/Latino(a/x)?

Yes

No

19. In addition, select one or more of the following racial categories to describe yourself:

Asian

Black or African American

Native Hawaiian or Pacific Islander

White

American Indian or Alaska Native

20. Languages you speak fluently, besides English?

21. Do you consider yourself an underrepresented individual in the science workforce? The NIH identifies underrepresented individuals in the following categories.* Check all that apply. [Complete this question for reporting purposes only. This question will not affect your admissions decision.]

- Individuals who identify their race or ethnicity as Black, African American, Hispanic, Latinx, American Indian, Alaska Native, Native Hawaiian, and other Pacific Islanders
- Individuals with documented disabilities, who are defined as those with a physical or mental impairment that substantially limits one or more major life activities (major life activities include, but are not limited to, caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating, and working), as described in the Americans with Disabilities Act
- Individuals who come from a family with an annual income below established low-income thresholds (thresholds here: <https://aspe.hhs.gov/poverty-guidelines>)
- Individuals who come from an educational environment such as that found in certain rural or inner-city environments that has demonstrably and directly inhibited the individual from obtaining the knowledge, skills, and abilities necessary to develop and participate in a research career

*Please click on [THIS LINK](#) for more explanation/definition of these underrepresented categories from the National Institutes of Health.

Educational Background

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Please tell us about ALL colleges and universities you have attended.

* 22. Current College/University

College/University	<input type="text"/>
City and State	<input type="text"/>
Hours Earned	<input type="text"/>
Major (Minor)	<input type="text"/>
Dates Attended	<input type="text"/>
GPA	<input type="text"/>
Expected Graduation (semester and year)	<input type="text"/>

* 23. Transcript Upload

Unofficial transcripts are acceptable.

Choose File

Choose File

No file chosen

* 24. During the 2023-2024 school year, my class standing is:

Please note: This program is intended for students who are undergraduates and will not graduate before the program starts.

- First-Year Student
- Second-Year Student
- Third-Year Student
- Fourth-Year Student
- Other (please specify)

* 25. Have you ever been suspended from a college or university (including UNM) for any reason?

- Yes
- No

26. If you answered yes to the previous question, please disclose the following information about the suspension:

Institution

Date of Suspension

Was the suspension
academic?

Was the suspension
disciplinary?

Academic History

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Please list all Universities attended including junior/community colleges

27. College/University #2

College/University Name	<input type="text"/>
Hours Earned	<input type="text"/>
GPA	<input type="text"/>
Dates Attended	<input type="text"/>

28. Transcript Upload #2

Unofficial transcripts are acceptable.

Choose File

Choose File

No file chosen

29. College/University #3

College/University Name	<input type="text"/>
Hours Earned	<input type="text"/>
GPA	<input type="text"/>
Dates Attended	<input type="text"/>

30. Transcript Upload #3

Unofficial transcripts are acceptable.

Choose File

Choose File

No file chosen

31. College/University #4

College/University Name	<input type="text"/>
Hours Earned	<input type="text"/>
GPA	<input type="text"/>
Dates Attended	<input type="text"/>

32. Transcript Upload #4

Unofficial transcripts are acceptable.

Choose File

Choose File

No file chosen

Coursework and Research Experience

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33. Please list additional science courses you have completed which you believe will contribute to your success in the UPN program should you be selected as a UPN Scholar. Include the following for each course you list here:

Course Name
Credit Hours
Your Grade
Semester Completed
Institution

Ex: CHEM 1101 (4cr, A, Fall 2016, UNM)

Biological Science

General Chemistry

Organic Chemistry

Physics

Math/Calculus

34. If you have completed any of the core courses below, please fill in the following information:

Course Name
Credit Hours
Your Grade
Semester Completed
Institution

Ex: ANTH 1101 (3cr, A, Fall 2018, UC-Davis)

Statistics

Sociology

Psychology

Anthropology

Research Methods

Public Health

35. Please list additional courses you have completed which you believe will contribute to your success in the UPN program should you be selected as a UPN Scholar. Include the following information for each course you list here:

Course Name
Credit Hours
Your Grade
Semester Completed
Institution

Ex: ECON 2342: Environmental Economics (3cr, A, Summ 2017, FSU)

36. Please briefly describe any course-related research or field experience (include dates).

37. Please describe any additional research experience including dates of project and mentor name.

**Undergraduate Pipeline Network (UPN)
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Our UPN scholars have access to cutting edge research opportunities in the following areas at the University of New Mexico's Health Sciences Center. You will be asked to rank your interest in these research areas on the next page of this application.

-

Brain and Behavioral Neurosciences

Examples of Past UPN Projects:

A. Third Trimester Equivalent Alcohol Exposure Does Not Affect Acute or Long Term Hippocampal Neurogenesis

B. Effects of serotonin on spreading depolarizations in mice hippocampal slices

-

Cancer Biology

Examples of Past UPN Projects:

A. Trends in Hepatitis C and Hepatocellular Carcinoma in New Mexico

B. Effect of Perinatal Exposure to Bisphenol-A On Mammary Tumorigenesis in Mice

-

Cardiovascular and Metabolic Disease

Examples of Past UPN Projects:

A. Chronic Hypoxia Increases Endothelial Nitric Oxide Synthase Phosphorylation in Lungs from Neonatal Rats

B. The Niemann-Pick gene interacts with modifying gene PGC-1 to promote obesity in non-Hispanic Whites and diabetes in Hispanics

-

Community-Based/Health Disparities

Examples of Past UPN Projects:

A. Using Pedestrian Counts to Assess Community-Wide Interventions to Increase Physical Activity in Rural Cuba, NM Environmental Factors Influencing Drinking Water Consumption and Access in Rural Communities: Cuba, New Mexico

B. Colorectal Cancer Disparities and Physical Activity Distribution in Hispanics and Non-Hispanic Whites in New Mexico

-

Environmental Toxicology & Pharmacology

Examples of Past UPN Projects:

A. Heavy Metal Exposure, Biomarkers of Autoimmunity and IL17 levels In Two Tribal Communities

B. Regulation of Histone Acetylation in Platinum Resistant Ovarian Cancer Cells

-

Infectious Disease and Immunity

Examples of Past UPN Projects:

A. Regulation of β -glucan Exposure from Mannan Masking in *Candida albicans*

B. Sex-dependent differences in susceptibility to methicillin resistant *Staphylococcus aureus* skin infection

-

Epidemiology

Examples of Past UPN Projects:

A. Trends in Hepatitis C and Hepatocellular Carcinoma in New Mexico

B. Tribal Home Assessment Survey Tool

* 38. Please review the possible areas of research and rank your interest in them from 1-7 with one (1) being your highest level of interest and seven (7) being your lowest level of interest.

If you are offered a position as a UPN scholar, we will endeavor to place you in a research environment reflective of those areas you are highly interested in experiencing.

<input type="checkbox"/>	Brain and Behavioral Neurosciences
<input type="checkbox"/>	Cancer Biology
<input type="checkbox"/>	Cardiovascular & Metabolic Disease
<input type="checkbox"/>	Community-Based/Health Disparities
<input type="checkbox"/>	Environmental Toxicology & Pharmacology
<input type="checkbox"/>	Infectious Disease & Immunity
<input type="checkbox"/>	Epidemiology

* 39. Briefly describe why you are interested in your top (number 1 and number 2) rankings for your UPN research interest area.

* 40. Please select ALL the groups you are **uncomfortable** working with:

- Animals (ex. amphibians, birds, fish, insects, mammals, reptiles, etc.)
- Infectious Agents (some viruses, bacteria, fungi, protozoa, multicellular parasites, or prions)
- Patients
- Tissue (including blood)
- None. I am comfortable working with all groups related to research.
- I am uncomfortable working with the following unlisted group(s):

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41. Which of the following schools might interest you after graduation?

(check all that apply)

Graduate School: Biomedical Sciences

Graduate School: Public Health

Medical School

Pharmacy School

None

Other (please specify)

42. What is your career interest?

Personal Statement

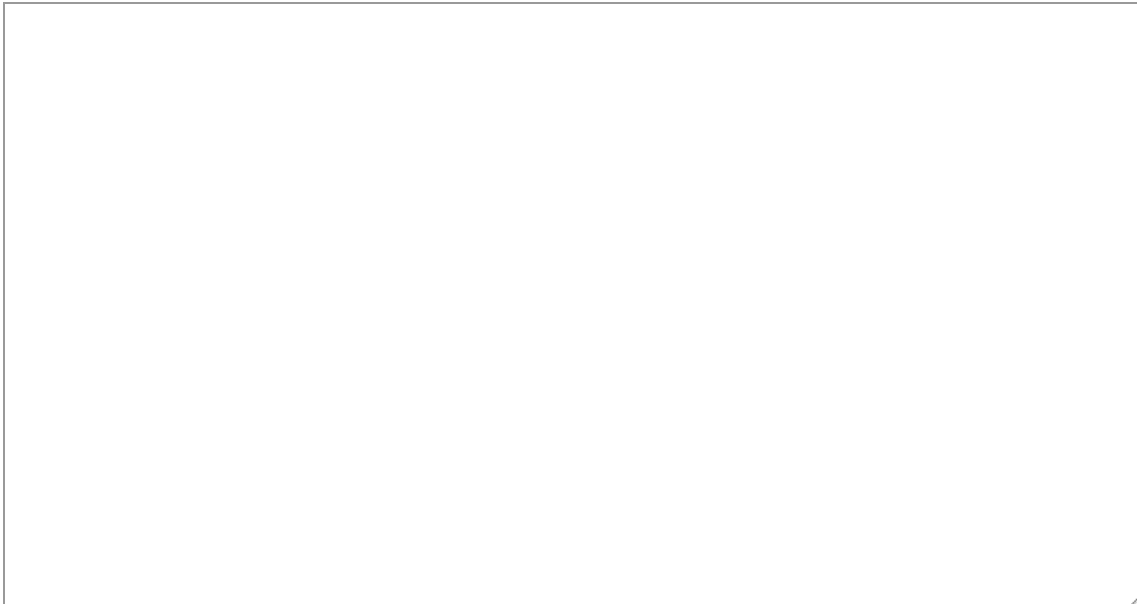
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* 43. Insert your personal statement explaining why you would like to be considered for the UPN Summer Research Experience. Please ensure to address:

- your career goals
- reasons for wanting to engage in summer research
- how the UPN program fits into your career plan

Note that the system will not accept images.

The system limits text to 5000 characters or about 2 typed pages.



Letter of Recommendation

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The UPN Program requires one (1) letter of recommendation to complete your application package. Please provide us with contact information for your reference. There are additional referee information sections here if you wish to submit more than one letter of recommendation.

You are responsible for contacting your referee and instructing them to upload their letter of recommendation directly to the UPN program via [THIS LINK HERE](#) from their official university or business email. It is your responsibility to ask your referee to write a letter of recommendation for you before you submit their information on this application and before the application deadline.

* 44. Reference Information: Please note that an email address for your referee is required. The UPN program does not confirm references by telephone.

Name:	<input type="text"/>
Email Address:	<input type="text"/>
University/Organization:	<input type="text"/>
Title or Position:	<input type="text"/>
Phone Number:	<input type="text"/>
City/Town:	<input type="text"/>
State/Province:	<input type="text"/>

45. Reference Information:

Name:	<input type="text"/>
Email Address:	<input type="text"/>
University/Organization:	<input type="text"/>
Title or Position:	<input type="text"/>
Phone Number:	<input type="text"/>
City/Town:	<input type="text"/>
State/Province:	<input type="text"/>

46. Reference Information:

Name:

Email Address:

University/Organization:

Title or Position:

Phone Number:

City/Town:

State/Province:

Criminal History

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* 47. Have you ever been convicted of, pled guilty to, or charged with a felony offense in any court?*

Yes

No

* 48. If you answered yes to the previous question, you must include a detailed explanation. Include location, dates, and case number. If applicable, provide the name and phone number of your parole or probation officer.

Enter N/A if you answered no to the previous question.

* Answering yes is not an automatic bar from admission to the program. Each case is considered on an individual basis.

*****You are under a continuing obligation to immediately update your response to this question if your circumstances change after you submit this application and throughout the program if selected.*****

Please upload your CV/Resume

* 49. Please upload your CV/Resume

Choose File

Choose File

No file chosen

Applicant Signature and Agreement

Undergraduate Pipeline Network (UPN) Summer Research Experience Application

* 50. I certify that I have reviewed this application for completeness and accuracy and that the information contained herein is true, correct and complete to the best of my knowledge, information and belief.

I certify that I will be at least 18 years of age prior to the program start date.

I agree to provide all requested documentation.

I authorize the Undergraduate Pipeline Network to check my references, academic information and background.

I agree that the materials sent become the confidential property of the Undergraduate Pipeline Network and are not returnable.

I understand that I may be contacted for and may need to provide additional information.

I understand that my application is not complete and will not be considered until the UPN program has my completed application, unofficial transcripts and CV/resume, and letter of recommendation.

I agree that misrepresentation in any statement or failure to abide by University and/or UPN regulations will be considered adequate grounds for denying admission, and/or rescission of acceptance, and/or removal from the program, which may include the student reimbursing any disbursed funds.

Type your full name to
verify these
statements

Date

Instructions to Complete Your Application

Undergraduate Pipeline Network (UPN) Summer Research Experience Application

DEADLINE: Midnight MST, February 1, 2024

You will receive an email confirming the completion of your application within 5 business days of REO receiving all of the following items:

- Complete Online Application
- Academic Resume/CV
- Unofficial transcripts
- Letter of Recommendation

Once you click the "Done" button at the end of the application, your application will be submitted and you will not be able to come back to make changes. Please click "Done" once your application is complete and before the application deadline. We cannot consider your application if you do not click "Done".

If you have any questions or concerns about the application form or process, please contact the UPN Program at somreo@salud.unm.edu or [office hours](#).

Thank you!