Welcome to Annual CPF Survey

This survey is a fellow-driven endeavor to collect information on the training and research needs of Cancer Prevention Fellows (CPFs). The aim is to use this information to improve our experience as CPFs or the CPFP in general. All responses are completely anonymous, so please answer the questions honestly. Much can be learned from your thoughtful and critical feedback. We are grateful for your participation!

Category 1: Background Information

1. Prior to entering the fellowship, had you conducted research in the field of cancer prevention and control?

○ Yes

○ No

○ Unsure

2. What type(s) of research are you currently conducting?*(Mark all that apply).*

☐ Wet lab/Bench research

☐ Behavioral/Social Science research

☐ Epidemiology/Biostatistics research

☐ Clinical research

☐ Health Services research

☐ Dissemination and Implementation research

☐ Other (please specify)

[   ]

3. What type(s) of research do you want to pursue during your time in the fellowship?*(Mark all that apply).*

☐ Wet lab/Bench research

☐ Behavioral/Social Science research

☐ Epidemiology/Biostatistics research

☐ Clinical research

☐ Health Services research

☐ Dissemination and Implementation research

☐ Other (please specify)

[   ]

4. Do you plan on applying for jobs in the next 12 months?

○ Yes, I am already applying for jobs

○ Yes, I am planning on applying for jobs

○ Possibly, for select positions

○ No

○ Unsure

5. What employment sector(s) are you considering working in after completion of the CPFP? (Select all that apply)

☐ University or Cancer Center

☐ Industry (e.g., Merck)

☐ Government (HHS, NIH)

☐ Healthcare organizations (e.g., Kaiser Permanente)

☐ Non-Government organization (e.g., American Cancer Society)

☐ Contract Research Organizations (e.g., Westat, RTI)

☐ Consulting

☐ Don't know/ Not sure

☐ Other (please specify)

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Category 2: Training needs for specific skills and abilities

6. Research skills and abilities:

Please indicate whether, as part of your fellowship experience, you would like training in the following research areas.

Would you like training in this area?
(If not, leave blank.)

Literature review/search strategies	
Identifying available datasets	
Generation of scientifically testable hypotheses	
Ability to conceptualize a research project	
Grant writing	
Quantitative data analysis (biostats)	
Statistical software programming	
Qualitative data analysis	
Laboratory techniques	
Interpretation of results	
Translation of research to practice and/or policy	
Manuscript review for a journal	
Responsible conduct of research (RCR)	

If you indicated RCR above, please provide details on the specific types (e.g. data security, research with vulnerable populations, responsible authorship, conflicts of interest, etc)

7. <u>Communication skills and abilities</u>:

Please indicate whether, as part of your fellowship experience, you would like training in the following areas.

	Would you like training in this area? *(If not, leave blank.)*
Scientific writing	
Public speaking	
Teaching	
Interpersonal communication	
Communication with the Media	
Writing for a lay audience (general public)	
Professional networking	

If you have specific training in mind, please provide details here.

8. <u>Leadership and Management skills</u>:

Please indicate whether, as part of your fellowship experience, you would like training in the following areas

	Would you like training in this area? *(If not, leave blank.)*
Time management	
Conflict resolution	
Budgeting for research projects	
Supervision of team members	
Developing a program of research	
Work-life balance	
How to engage in team science	
Becoming a good mentor	

If you would like more training, please provide details on the specific types of leadership or management training desired.

9. <u>Service</u>: Please indicate whether, as part of your fellowship experience, you would be interested in service opportunities in the following areas.

Would you be interested in these types of service opportunities?
(If not, leave blank.)

Professional societies	
Editorial and advisory boards	
Peer review of grants	
Peer review of manuscripts	
NIH or NCI committees	
CPFP FAB committees	

If you would like more of these or other opportunities, please provide specific details.

10. <u>Collaboration</u>: Please indicate whether you would be interested in opportunities to collaborate with the following types of researchers.

Would you be interested in these types of collaboration opportunities?
(If not, leave blank.)

Collaboration with other Cancer Prevention Fellows	
Collaboration with NCI researchers	
Collaboration with NIH researchers (non-NCI)	
Collaboration with non-NIH, domestic (U.S.-based) researchers	
Collaboration with international researchers	

If you would like more opportunities, please provide specific details.

Category 3: Grants and scientific writing committee

The Grants and Scientific Writing Committee supports the development of knowledge and skills in the areas of grant and scientific writing. In Questions 11-13 please rate your interest in the following areas:

11. Scientific Writing

	Not interested	Somewhat interested	Very interested	Need more information to decide
Reference management software options and tips	○	○	○	○
Tips to keep up-to-date on the literature in your area	○	○	○	○
Avoiding language pitfalls (e.g. using an active voice, writing without jargon, and basic elements of sentence structure)	○	○	○	○
Making time for writing and staying on task	○	○	○	○
The writing process explained (e.g. outlining, editing, and revising)	○	○	○	○

12. Collaborative Writing

	Not Interested	Somewhat Interested	Very Interested	Need More Information to Decide
Discussing authorship	◯	◯	◯	◯
Dealing with finicky writers/coauthors	◯	◯	◯	◯
Finding group consensus in team writing	◯	◯	◯	◯
Scientific writing for the masses - blogs, popular publications, public education	◯	◯	◯	◯
Science and the press - how to effectively communicate your work with journalists	◯	◯	◯	◯
How to present data effectively	◯	◯	◯	◯
Activity: Participating in dedicated group writing time	◯	◯	◯	◯
Activity: Identify collaborators within CPF	◯	◯	◯	◯

13. **Grant Writing**

	Not interested	Somewhat interested	Very interested	Need more information to decide
The role of program directors: how they can help you	○	○	○	○
K-Awards: Types & Timing	○	○	○	○
Research awards and Grants CPF can apply for while at the NCI (e.g., internal awards, foundation grants, collaborating with outside PIs)	○	○	○	○
Describing innovative or uncommon methods in the grant application (e.g., advanced statistical approaches, qualitative methods, new study designs)	○	○	○	○
Activity: Group writing of specific grant sections (e.g. Specific Aims, Research Strategy, etc.)	○	○	○	○

14. Please list any other topics related to grant or scientific writing training that would be of interest to you.

Category 4: Career developmental seminar series committee

15. <u>Career opportunities</u>: Please indicate whether, as part of your fellowship experience, you want information about the following types of careers.

Please rate your interest in learning more (1=very interested, 5=not at all interested)

Understanding job offer benefits (e.g., retirement plans)	☐
How to be a good mentor	☐
How to effectively communicate with your mentor	☐
Confidence in the workplace/communication	☐
Time management skills and tools	☐
Research jobs in government	☐
Research jobs in academia	☐
Research jobs in industry	☐
Research jobs/jobs in non-governmental organizations (NGOs)	☐
Extramural jobs across HHS	☐
Overview of NIH research grants system	☐
Navigating USA Jobs	☐
"Imposter Syndrome"	☐
Networking	☐
Opportunities to apply for financial research awards as an NCI fellow	☐
Wellness/life planning	☐

Other (please specify)

_____

16. What career related seminars would you like to see during your fellowship?

17. Aside from those covered above, are there any other areas in which you would like the CPFP to provide training? Please provide specific details to help us better understand the training needs of CPFs.

Category 5 : Methods and training committee

18. Which of the following topics would you be interested to receive training/guidance in?

Rank options in order of preference (1=most interested).

	Specific data sets available for fellows at NCI to use (tips, pitfalls, how to gain access)
	Types of approval needed for accessing data/disseminating findings
	Tips or hacks for organizing research work (e.g. note-taking software, project management/collaboration software such as 'Asana', reference management software)
	Epidemiological study design and analysis approaches
	Statistical software

19. A list of specific epidemiological study design/analysis topics of interest was generated at the committee meetings

Please mark topics of interest and rank in order of preference (1=most interested):

	Matching participants
	Multilevel modeling
	Survival Analysis
	Missing data/ assessing random/non-randomness/ Multiple imputations
	Longitudinal data analysis
	Analyzing population level survey data (e.g. sampling, inverse probability weighting)
	Causal inference (matching, propensity scores and sensitivity to unobserved confounding)
	Mediation analyses
	Competing risks
	Types of bias and tools to address them (e.g. regression calibration)
	Spatial/geographic data analysis
	Big data analysis, e.g. cluster/supercomputing with 'Biowulf'

20. Which statistical software programming package would you like training for? (Pick the most important one for your current needs)

○ SPSS

○ SAS

○ STATA

○ SUDAAN

○ R

○ GraphPad Prism

○ Scripting packages, e.g. Python

○ Other (please specify)

21. For the option you chose, please rank the most important aspect of training for that statistical software (1= most important, 4= least important)

	Basic programing (e.g. uploading data files, manipulating variables, running basic checks, etc.)
	Data Management (e.g. record keeping, merging data, writing code, etc.)
	Running specific statistical procedures
	Graphics/ Data visualization techniques

22. If we were to offer a workshop for statistical programming, what format would you prefer?

○ 2-day workshop (consecutive)

○ 1-day workshop

○ One afternoon lecture

○ Series of lectures

○ Informal/peer-led 'lunch and learn' sessions

23. Would you be interested in leading/teaching a session on any of these topics, or something else not listed here?

○ Yes

○ No

○ Unsure

24. Please state below what topic(s) you would be interested in leading a session on:

Category 6: Alumni relations committee

25. Have you previously attempted to get in touch with CPFP alumni?

◯ Yes, and I was successful

◯ Yes, but I was unsuccessful

◯ No

26. How did you identify CPFP alumni to contact?

27. What would be a CPFP resource or activity that could facilitate your connection with alumni?

28. If you could have access to an alumni database populated with public information about CPFP alumni, what type of categories and information would be helpful to know?
(select all that are of interest)

☐ Alumni generally categorized by sector experience

☐ Postdoctoral discipline

☐ Program entry/exit date

☐ NCI/FDA division affiliation during fellowship years

☐ Other (please specify)

29. Are you interested in hosting or attending an alumni event (social gathering or other meal)?

◯ Yes

◯ No

◯ Unsure

30. If yes, at what type of meetings would you like to host or attend a social gathering?

○ Local meetings

○ National conferences

Category 7: Fellowship experience - CPFP staff communication

31. <u>Administrative Staff and Procedures</u>: Please indicate how satisfied you are with the CPFP staff and the following CPFP procedures. (*Please use the "Not applicable" option if you feel you haven't had a chance to assess staff in any area.*)

	Satisfaction
Awareness of who to contact about specific topics and issues	
Timeliness of the communication with administrative staff	
Quality of the communication with administrative staff	
Relocation/moving issues	
Travel requirements and procedures	
Event scheduling and notification (e.g., orientation, FRMs, Colloquia, etc.)	

Please add any comments or suggestions regarding CPFP staff and procedures.

32. <u>CPFP Director/Deputy Director</u>: Please indicate how satisfied you are with the CPFP leadership in the following areas.
(*Please use the "Not applicable" option if you feel you haven't had a chance to assess the CPFP Director/Deputy Director in any area.*)

	Satisfaction
Availability	
Timeliness and quality of the communication (including expectations of fellows)	
Guidance about CPFP activities and experiences	
Assistance with career planning	
Providing information about independent funding (e.g., grants) or additional training/experiences	
Notification about job openings	

Please add any comments or suggestions regarding CPFP leadership.

Category 8: Overall fellowship experience

33. Overall, how satisfied were you with the CPFP orientation?

( ) Very satisfied

( ) Satisfied

( ) Neutral

( ) Dissatisfied

( ) Very dissatisfied

Please add any comments or suggestions for improvement.

34. Overall, how satisfied were you with the summer curriculum?

( ) Very satisfied

( ) Satisfied

( ) Neutral

( ) Dissatisfied

( ) Very dissatisfied

Please add any comments or suggestions for improvement.

35. Overall, how do you rate your satisfaction with your experience in the CPFP so far?

( ) Very satisfied

( ) Satisfied

( ) Neutral

( ) Dissatisfied

( ) Very dissatisfied

Please add any comments or suggestions for improvement.

Category 9: Additional comments

36. Please provide any additional comments/suggestions in the box below. Is there anything we didn't ask that you want to tell us?