

PHYSICAL SCIENCES **Former Trainee Survey**
in ONCOLOGY

OMB Control Number: 0925-XXXX

Expiration Date: xx/xx/xxxx

Informed Consent Form

Identification of Project

Physical Sciences in Oncology Former Trainee Survey Survey

Statement of Age of Subject

I state that I am at least 18 years of age and wish to participate in a survey being conducted by the National Cancer Institute, Bethesda, MD 20892.

Purpose

The purpose of this survey is to determine how specific types of professional program involvement may impact a variety of professional outcomes.

Procedures

Participants will be asked to access a web-based questionnaire and complete the questionnaire by a specific date. The total time involved, including instructions, will be no more than 25 minutes.

Privacy

All information collected in this survey will be kept secure to the extent permitted by law. I understand that the data I provide will be grouped with data that others provide for the purpose of reporting and presentation, and that my name will not be used.

Risks

I understand that the risks of my participation are expected to be minimal in nature.

Benefits, Freedom to Withdraw, & Ability to Ask Questions

I understand that this survey is not designed to help me personally but that the investigators hope to determine how specific types of professional program involvement may impact a variety of professional outcomes. I am free to ask questions or withdraw from participation at any time and without penalty.

Contact Information

For questions regarding the survey or any study-related issues, please contact Nicole Moore (nicole.moore@nih.gov). If you have any technical questions and/or have difficulty accessing the survey please contact Jennifer Sargent by email at jsargent@madrillongroup.com or by telephone at 888-236-9826 (toll-free).

Burden Disclosure: Public reporting burden for this collection of information is estimated be 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx). Do not return the completed form to this address.

Agreement to Consent *

- I have read the information about this study, and I agree to participate in this survey.
- I have read the information about this study, and I do not wish to participate in this survey at this time.

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When completing this survey, please think specifically about your experiences with the PS-OC program, and program components you have used over the last five years. Some of the program components may apply to your specific program more than others. Please read each program component and answer the questions as best you can.

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6% 

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How many years were you an active member of the PS-OC program?

- Less than 1 year
- 1 year
- 2 years
- 3 years
- 4 years
- 5 years

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9%



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How long ago were you a trainee with PS-OC?

- Less than a year ago
- About 1 year ago
- About 2 years ago
- About 3 years ago
- About 4 years ago
- About 5 years ago
- Not sure

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Please select your current research title.

Undergraduate student

Graduate student

Postdoc

Medical student

Resident

Other, please describe:

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15%



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How did you previously participate as a member of the PS-OC? (Check all that apply).

- Performed research funded by the PS-OC
- Participated in PS-OC courses
- Attended a PS-OC annual meeting
- Attended a PS-OC site visit
- Attended PS-OC workshops
- Attended PS-OC boot camps
- Attended PS-OC seminars
- Other, please describe:

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18%



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To the best of your knowledge, how often did you interact with your PS-OC mentor? Please include all interactions in your response (e.g., face-to-face meetings, emails, phone calls, instant messaging and other digital forms of contact, etc.)

- Never
- One initial meeting only
- Every 6 months
- Every 3 months
- Monthly
- Weekly
- Several times per week
- Daily

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21%



Save and continue survey later

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Did you continue to interact with your PS-OC mentor after leaving PS-OC?

- Yes
- No

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24%



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Is that relationship still ongoing today?

- Yes
- No

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27%



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How would you define your scientific area of expertise BEFORE you were a part of the PS-OC program?

- Physical Scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other, please describe:

How would you define your scientific area of expertise now?

- Physical Scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other, please describe:

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30%

PHYSICAL SCIENCES in ONCOLOGY Former Trainee Survey

Please identify your PS-OC mentor's field of training and expertise.

- Physical Scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other, please describe:

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33%



PHYSICAL SCIENCES Former Trainee Survey in ONCOLOGY

Please identify the types of scientists you collaborate with currently (please check all that apply).

- Physical scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other, please describe:

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36% 

PHYSICAL SCIENCES in ONCOLOGY Former Trainee Survey

Please identify the types of scientists you would like to collaborate with in the future (please check all that apply).

- Physical scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other, please describe:

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39%

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Did the PS-OC program have a positive impact on any of the following?

| | Very High Impact | High Impact | Moderate Impact | Low Impact | No Impact at All |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Career development | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Learning new skills | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Gaining a new mentor | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| New collaborations with professionals in my field | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| New collaborations with professionals in other fields | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Opening access to new equipment/ technology | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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Based on your familiarity with the program and your personal experiences, how well did the young investigator trans-network process achieve the following goals?

| | Extremely Well | Very Well | Moderately Well | Not Very Well | Not at All Well | Don't know |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Increase collaborations among centers in general | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Increase discussions/collaborations between young investigators | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Advance the convergence of physical science and oncology in cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Make advances in cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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45%

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Did you, at any point, as a trainee, participate in a student exchange or otherwise worked in another PS-OC investigator's lab?

- Yes
- No

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48%



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How many exchanges or other PS-OC investigator's labs did you participate in?

- 1
- 2
- 3
- 4
- 5+

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52%



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Overall, how useful were these exchanges?

Extremely Useful

Very Useful

Moderately Useful

Not Very Useful

Not at All Useful

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55%



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Are you currently conducting research in the field of physical sciences-oncology?

- Yes
- No

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58%



If "Yes":

Save and continue survey later

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Please briefly describe that research:

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If "No":

Save and continue survey later

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Do you plan to conduct research in the field of physical sciences-oncology in the future?

- Yes
- No
- Maybe/unsure

Please explain why or why not:

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Have you maintained any of your PS-OC collaborations in your current research?

- Yes
- No

Please explain why or why not:

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Have you started any new trans-disciplinary collaborations since leaving PS-OC?

- Yes
- No

Please explain why or why not:

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70% 

PHYSICAL SCIENCES in ONCOLOGY

Former Trainee Survey

Looking back, how would you evaluate the overall quality of your **previous** PS-OC supported collaborations in the following areas:

| | Excellent | Very Good | Good | Fair | Poor |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Scientific impact | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Productivity | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Rewarding to all parties involved equally | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Communication among collaborators | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Ability to utilize the different strengths of different researchers involved | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Enabling you to reach your own research milestones faster | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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73%



PHYSICAL SCIENCES in ONCOLOGY

Former Trainee Survey

How would you evaluate the overall quality of your **current** professional collaborations in the following areas:

| | Excellent | Very Good | Good | Fair | Poor |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Scientific impact | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Productivity | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Rewarding to all parties involved equally | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Communication among collaborators | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Ability to utilize the different strengths of different researchers involved | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Enabling you to reach your own research milestones faster | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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76%



PHYSICAL SCIENCES in ONCOLOGY Former Trainee Survey

What difficulties, if any, have you experienced during your trans-disciplinary collaborations in the PS-OC program? (Check all that apply).

- Members prioritized their personal goals before the overall team goal
- Difficulties in sharing data
- The team members discuss issues only at a broad level
- Difficulties in sharing supplies, cells, tissue or equipment
- Responsibilities, roles, and expectations were not clear
- Difficulties in organizing travel
- Team members became competitive with one another
- Difficulties in communication across the scientific disciplines
- Lack of funds
- Power struggles
- Sharing credit
- The team did not meet regularly
- The team did not establish trust
- Team members became competitive with one another
- Difficulties in communication across the scientific disciplines
- Lack of funds
- Power struggles
- Sharing credit
- The team did not meet regularly
- The team did not establish trust
- There is no reward structure at my institution for collaborations
- Trouble identifying additional team members to help
- Lack of clear vision or goals
- No agreement on the primary spokesperson
- I did not experience any of these difficulties
- Other, please describe:

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79%

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Please rate the severity of these difficulties on the scale below.

| | No Impact (1) | 2 | 3 | 4 | Severe Impact (5) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Members prioritized their personal goals before the overall team goal | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Difficulties in sharing data | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| The team members discuss issues only at a broad level | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Difficulties in sharing supplies, cells, tissue or equipment | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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Please answer the following questions with the approximate number of investigators (i.e., faculty-level researchers)

| | 0 | 1-4 | 5-10 | 11-15 | 16+ |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| How many PS-OC investigators within your Center did you work with prior to the start of the PS-OC program? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| How many PS-OC investigators within your Center do you work with now? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| How many of these new collaborations would have started without PS-OC program funding? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| How many do you anticipate will continue on after you leave PS-OC? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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PHYSICAL SCIENCES in ONCOLOGY Former Trainee Survey

From your perspective, please evaluate the extent to which the PS-OC program has been successful in the following areas:

| | Excellent | Very Good | Good | Fair | Poor | Don't know |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Improving leadership skills in heading a trans-disciplinary study | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Mentoring junior faculty in leading and participating in a trans-disciplinary study | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Increasing the discussion about team science and collaborations at your institution | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Developing better policies to review and reward the team science at your institution | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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88%



PHYSICAL SCIENCES in ONCOLOGY Former Trainee Survey

From your perspective, please evaluate the extent to which the PS-OC program has been successful in reaching the following program goals.

| | Excellent | Very Good | Good | Fair | Poor | Don't know |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Form trans-disciplinary teams focused on establishing physical sciences-centric themes in cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Build a collaborative trans-discipline research sharing network | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Promote collaboration by PS-OC researchers across the PS-OC network | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Educate trans-disciplinary scientists that pursue careers in the field of physical sciences in oncology | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Promote collaboration by PS-OC researchers beyond the PS-OC network | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Educate trans-disciplinary scientists that pursue careers in the field of physical sciences in oncology | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Promote collaboration by PS-OC researchers beyond the PS-OC network | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Form new physical sciences in oncology programs at universities or institutions | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Test dogma-challenging hypotheses or cancer initiation and progression | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Bring new types of scientists to cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Generate new datasets in cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Generate new knowledge in cancer research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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Please provide any additional comments that you would like to share about the convergence of physical sciences in oncology or the PS-OC program.

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94%



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Thank you for taking our survey. Your response is very important to us.
Please close your browser window to exit the survey.

100%



If the recipient does not wish to complete the survey:

Save and continue survey later

PHYSICAL SCIENCES — **Former Trainee Survey**
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Thank you for taking the time to access this questionnaire.

If you decide you would like to complete this survey at a later time, feel free to use the link and password provided in your email.

Please click the "submit" button and close your browser to exit the survey.

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Submit

97%