



PS-OC Survey: Project Investigators (Sections C & J)

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1. Please identify your primary affiliation with the Physical Sciences - Oncology Centers Program.

Please pick one of the answers below.

- Center Principal Investigator (PI)
- Center Senior Scientific Investigator (SI)
- PS-OC Project/Core Investigators (i.e. project/core leader or research investigator)
- PS-OC Trainee
- PS-OC Advocate
- PS-OC Outreach and Dissemination Unit Lead
- PS-OC Education and Training Unit Lead
- PS-OC Administrator
- PS-OC External Advisor
- I am not associated with the PS-OC Program

Section C. The following section contains questions specific for PS-OC Investigators.

2. C1. There are a variety of different types of scientists involved in the PS-OC program. Research experiences may vary depending on your background and the background of your collaborators. For each of the following column headers, please select all types of scientists that apply.

Please fill in the answers in the table below (mark appropriate circles and squares and fill in the blank spaces).

	Your field of training and expertise	Scientists have you worked with prior to the PS-OC program	Scientists you work with currently	Scientists would like to work with in future projects
Molecular Biologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cell Biologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evolutionary Biologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgeons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oncologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pathologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cancer Biologists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physicists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mathematicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Theorists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Statisticians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information Technologists/Computer Scientists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. C2. Please rate your satisfaction with the progress you have made so far on your project specific aims?

Please pick one of the answers below.

- Satisfied
- Somewhat Satisfied
- Neutral
- Somewhat Dissatisfied
- Dissatisfied

The following questions inquire about the status and infrastructure of the physical sciences in oncology field.

4. C3. I have seen evidence of the formation of a new field of "Physical Sciences-Oncology" within...

Please mark the corresponding circle - only one per line.

	Disagree			Neutral			Agree
My department(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My institutions(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At scientific meetings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My current research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My future research plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have not seen evidence of the formation of a new field of "Physical Sciences-Oncology"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. C4. Does your Institution have an overall strategy for converging physical sciences and oncology outside of the PS-OC program? If yes, please provide details in comment area.

Please pick one of the answers below and add your comments.

- Yes
- No
- Unsure

6. C5. Do any sources of support exist for physical sciences in oncology research at your Institution outside of the PS-OC?

Please pick one of the answers below.

- Yes
- No

7. C5b. Please answer yes or no to the following questions about the "other" types of support offered at your Institution for converging physical sciences and oncology.

Please mark the corresponding circle - only one per line.

	Yes	No
Do PS-OC researchers receive funding from these sources?	<input type="radio"/>	<input type="radio"/>
Do PS-OC researchers collaborate with researchers supported by these sources?	<input type="radio"/>	<input type="radio"/>
Do PS-OC researchers use equipment, materials, or infrastructure supported by these sources?	<input type="radio"/>	<input type="radio"/>

The following questions inquire about your PS-OC research advances and your participation within the PS-OC program.

8. C6. From your standpoint, please briefly describe the most important scientific advancement to emerge from your PS-OC to date.

Please write your answer in the space below.

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9. C6b. Please use the previous example to answer the following questions.

Please mark the corresponding circle - only one per line.

	Disagree			Neutral			Agree
This scientific advancement stems from projects that existed before the PS-OC program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
This scientific advancement will lead to future scientific breakthroughs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
This advancement would not have occurred without the support of the PS-OC program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There is potential for this scientific advancement to translate into the clinic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. C7a. Have you submitted applications for research grants based on the findings from your PS-OC supported studies?

Please pick one of the answers below.

- Yes
- No

11. C7b. What types of comments were recieved on these grants?

Please check all that apply and/or add your own variant.

- Not enough preliminary data
- Too high risk
- No clinical application
- Limited biological components
- Innovative
- I have not recieved any comments

Other

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12. C8. Please describe one brief example of something you know now that you didn't know before because of your involvement with the PS-OC program.

Please write your answer in the space below.

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13. C9. Please check all PS-OC working groups or exercises in which you have participated.

Please check all that apply.

- Evolution and Drug Resistance
- Physics
- CTC Transport
- UN of Cell Modulus
- Outreach and Dissemination
- Education and Training
- Cell line exercise
- I have not participated in any PS-OC working groups or exercises

14. C9b. Please rate the effectiveness of the working groups or exercises in achieving the following goals.

Please mark the corresponding circle - only one per line.

	A	B	C	D	E	F	G
Facilitate new collaborations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide new knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase communication between PS-OC investigators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Generate PS-OC Network publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disseminate information to the broader scientific community about the PS-OC Network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Legend for rank grid table: 14. C9b. Please rate the effectiveness of the working groups or exercises in achieving the following goals.

Columns:

- A - Ineffective
- B -
- C -
- D - Neutral
- E -
- F -
- G - Effective

15. C9c. Please provide a suggestion for new PS-OC working groups or exercises in which you would participate.

Please write your answer in the space below.

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16. C10. Did the PS-OC facilitate access to equipment and infrastructure for PS-OC researchers beyond what would have been available otherwise?

Please pick one of the answers below and add your comments.

- Yes
- No

Comments

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17. C11. How effective have the following PS-OC opportunities been in encouraging you to generate innovative scientific ideas?

Please mark the corresponding circle - only one per line.

	Not Applicable	Ineffective		Effective		Very Effective
Trans-Network Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Young Investigator Trans-Network Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pilot Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outreach Pilot Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student Exchanges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Annual Meeting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. C12. How have you disseminated information about the PS-OC to the broader scientific community?

Please check all that apply and/or add your own variant.

- Presentations at conferences/scientific meetings
- Invited talks
- Publications
- Webpage
- Email
- Newspaper or radio
- I have not disseminated information about the PS-OC

Other

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**19. C13. To what types of scientists have you presented and/or discussed your PS-OC research?
Please check all that apply.**

Please check all that apply and/or add your own variant.

- Molecular Biologists
- Cell Biologists
- Cancer Biologists
- Engineers
- Evolutionary Biologists
- Surgeons
- Oncologists
- Pathologists
- Radiologists
- Chemists
- Physicists
- Mathematicians
- Theorists
- Statisticians
- Information Technologists

Other

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20. C14. From your standpoint, how effectively have the PS-OC program staff performed the following roles in the management and direction of the PS-OC program?

Please mark the corresponding circle - only one per line.

	A	B	C	D	E	F	G	H
Strategic directions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitating interactions among PS-OC investigators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitating interactions between the PS-OC Network and the broader community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advancing research within the PS-OCs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organizing working groups and exercises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organizing steering committee	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Legend for rank grid table: 20. C14. From your standpoint, how effectively have the PS-OC program staff performed the following roles in the management and direction of the PS-OC program?

Columns:

- A** - I do not know
- B** - Ineffective
- C** -
- D** -
- E** - Neutral
- F** -
- G** -
- H** - Very Effective

Section J. The following questions inquire about your collaborations and their impact, methods for facilitating collaborations, and the impact of the PS-OC program in your collaborations.

21. J1. Without naming specific individuals, please give an example of a successful trans-disciplinary collaboration (i.e. a collaboration that integrated two or more individual disciplinary perspectives) in which you have been involved as part of the PS-OC program. Please provide a brief description of the project and how it was initiated. Please define each member's role in the collaboration.

Please write your answer in the space below.

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22. J1b. What are the outcomes of the collaboration described above? Please select all that apply.

Please check all that apply.

- New knowledge or skills
- Pilot project funds
- Outreach project funds
- Trans-network project funds
- NIH or NSF grant funds
- Publications
- Conference presentations or invited talks
- The collaboration is still in progress.
- Will form new collaborations
- Will pursue new aspects of the project as an extension of this work

23. J1c. How many researchers were involved in this trans-disciplinary collaboration?

Please pick one of the answers below.

- 2
- 3
- 4
- 5-7
- 8-10
- 10+

24. J1d. Please indicate how strongly you agree or disagree with each of the following statements pertaining to the collaboration described above. "I would have obtained these outcomes..."

Please mark the corresponding circle - only one per line.

	Disagree			Neutral			Agree
without one member of the team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
without two members of the team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
without a trans-disciplinary collaboration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
without the support of the PS-OC program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25. J2. What difficulties , if any, have you experienced during your trans-disciplinary collaborations in the PS-OC program? Please rate the severity of these difficulties on a scale of 1-5. A "1" indicates that the issue did not impact the outcome(s) of the collaboration. A "5" indicates that the issue severely impacted the collaboration.

Please fill in the answers in the table below (mark appropriate circles and squares and fill in the blank spaces).

	Check all that apply	Please rate the severity of the issue
Members prioritized their personal goals before the overall team goal	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Difficulties in sharing data	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
The team members discuss issues only at a broad level	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Difficulties in sharing supplies, cells, tissue, or equipment	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Responsibilities, roles, and expectations were not clear	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Difficulties in organizing travel	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Team members became competitive with one another	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Difficulties in communication across scientific disciplines	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Lack of funds	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5

Power struggles	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Sharing credit	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
The team did not meet regularly	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
The team did not establish trust	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
There is no reward structure at my institution for collaborations	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Trouble identifying additional team members to help	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
Lack of clear vision or goals	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
No agreement on the primary spokesperson	<input type="checkbox"/>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5

26. J3. Please define your role(s) in your PS-OC collaborations. Please select all that apply.

Please check all that apply and/or add your own variant.

- Provide cells or reagents
- Provide technology or skill
- Provide strategic direction
- Leader
- Combine data
- Organize team meetings and communication
- Perform data analysis
- Participant
- Advisor
- Provide training/education
- Create reports
- Communicate to stakeholders (i.e. NCI)
- Interface with Institutional leadership
- Administrative support or IT

Other

27. J4. Please answer the following questions with the approximate number of investigators (i.e. faculty level researchers).

Please mark the corresponding circle - only one per line.

	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"/>

28. J5. Overall, please evaluate your PS-OC supported collaborations in the following areas.

Please mark the corresponding circle - only one per line.

	Very Poor	Poor	Fair	Good	Excellent
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 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"/>
Ability to attract new collaborators to join effort	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

29. J6. How effective have the following PS-OC opportunities been in encouraging you to find and/or generate collaborations?

Please mark the corresponding circle - only one per line.

	Not Applicable	Ineffective		Somewhat Effective		Very Effective
PS-OC Trans-Network Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Young Investigator Trans-Network Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Pilot Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Outreach Pilot Projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student Exchanges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Annual Meeting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Workshops and Symposiums	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PS-OC Data Jamboree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

30. J7. From your standpoint, please evaluate the extent to which the PS-OC program has been successful in the following areas.

Please mark the corresponding circle - only one per line.

	I do not know	Very Poor	Poor	Fair	Good	Excellent
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 team science at your institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The following question inquires about your views on the progress the PS-OC program is making relative to the goals of the program.

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

Please mark the corresponding circle - only one per line.

	I do not know	Very Poor	Poor	Fair	Good	Excellent
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"/>
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 hypothesis on 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"/>

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

Please write your answer in the space below.

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