

OHSR RESPONSE TO REQUEST FOR REVIEW OF RESEARCH ACTIVITY  
INVOLVING HUMAN SUBJECTS

FAX: Exempt #: 12934  
To: Moore, Nicole  
NCI  
BG 31 RM 10A03

From: Office of Human Subjects Research (OHSR)

Nature of Research Activity:

Electronic survey to assess the role of program components on trainee development and scientific outputs of the PS-OC program

Original Request Received in OHSR on: 5/11/2015

Responsible NIH Research Investigator(s): Nicole Moore, NCI

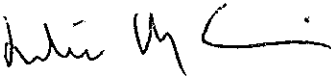
OHSR review of your request dated Fri, May 8, 2015 has determined that:

- Federal regulations for the protection of human subjects do not apply to above named activity. The OHSR determination of Not Human Subjects Research is based on the interpretation of 45 CFR 46 under "Research Involving Coded Private Information or Biological Specimens" (OHRP, Revised October 16, 2008) and Guidance on Engagement of Institutions in Human Subjects Research (October 16, 2008). NOTIFY OHSR VIA AN E-MAIL AMENDMENT OF ANY CHANGES THAT MAY ALTER THIS RESEARCH ACTIVITY.
- The activity is designated **EXEMPT**, and has been entered in the OHSR database. PLEASE NOTIFY OHSR OF ANY SIGNIFICANT CHANGES THAT MAY ALTER THE EXEMPT STATUS OF THIS RESEARCH ACTIVITY.
- NOT EXEMPT.** OHSR recommends IRB review. Please forward your request to the Chair of your IRB, who may ask you to provide additional information in order to determine whether expedited or full review is appropriate.
- Confidentiality Agreement
- Reliance
- Amendment
- Other

Office Person JE

Admin Assist. CB

Note:  
6/3/2015: Survey as part of a program evaluation only; not research

  
Julie M. Eiserman  
Signature

Policy Analyst, OHSRP  
Title

6/3/2015  
Date

Domestic/International:  
Domestic

Human Subjects Data: Yes  
Biologic Material: No

OHSR Use Only  
 1  2  3  4  5  6

**REQUEST FORM: OHSRP DETERMINATION FOR SURVEYS, INTERVIEW PROCEDURES,  
PROGRAM EVALUATION, EDUCATIONAL TESTING AND RESEARCH**

Date of Request: May 8, 2015

Requestor's name: Nicole M. More e-mail: moorenm@mail.nih.gov

Role:  Administrative support  Investigator  Other, explain:   

Name of NIH Senior Investigator: Nicole M. Moore  
(The investigator must be an NIH employee)

IC  NCI  Laboratory/Branch    Division of Cancer Biology   

Building & Room No. NCI Shady Grove, Room 6W556 Tel. No. 240-276-7624  
FAX No. N/A

Is the NIH Senior Investigator an NIH employee(FTE)?  Yes  No

Senior Investigator Signature: Nicole M. Moore  
(Signature of Investigator who will conduct research)

Supervisor Signature: [Signature]  
(Signature of official for IC, e.g., Lab/Branch Chief)

Name of NIH investigator conducting research if not the NIH Senior Investigator: (i.e., junior investigator, contractor investigator, fellow, student)  
  

Please provide the name and e-mail of any others who should receive a copy of the OHSRP determination:   

1. What role will the NIH investigator(s) have in this research project? (check all that apply)
- Conduct research activity
  - Analyze samples/data only
  - Consultant/advisor to collaborator(s)
  - Author on publication(s)/manuscript(s) pertaining to this research
  - Other, please describe:

2. Title: Early Outcomes Assessment of the Physical Sciences – Oncology Centers Program

3. Describe in lay terms the research activity that will be performed:  
Electronic survey to assess the role of program components on trainee development and scientific outputs of the PS-OC program

**REQUEST FORM: OHSRP DETERMINATION FOR SURVEYS, INTERVIEW PROCEDURES,  
PROGRAM EVALUATION, EDUCATIONAL TESTING AND RESEARCH**

**4. Proposed start date:** 9/1/2015    **Proposed completion date :** 2/1/2016

**5. Specify the nature of the data:** *(select all that apply)*

- Interview procedure
- Survey
- Educational Testing
- Educational Research
- Research on public benefit or service programs
- Other, describe: \_\_\_\_\_

**6. What kind of human data (e.g., private information, responses to questionnaires, test results, recordings) will be collected in your research?**

Responses to questionnaire

**7. Will human data be?** *(select all that apply)*

- Collected    Yes  No
- Received     Yes  No
- Sent          Yes  No

**8. If receiving or sending, list the collaborating investigator(s):**

Name	Institution/IC	Address/e-mail	FWA number*
_____			

**9. Where are the subjects of this research activity located?** *(Provide a general description or complete the institutional information below)*

The participants in the survey are from institutions supported by NCI extramural research grants.

Institution: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

**10. Will NIH investigator(s) have direct contact or intervention with the subjects of the study? (For example, by interviewing, surveying or recording the subjects?)**

Yes  No

If yes, what is the age range of subjects involved in the research?

- Children aged < 18 years
- Adults aged ≥ 18 years

**11. Who will collect the data or information?**

(a)  NIH Investigator

**REQUEST FORM: OHSRP DETERMINATION FOR SURVEYS, INTERVIEW PROCEDURES,  
PROGRAM EVALUATION, EDUCATIONAL TESTING AND RESEARCH**

- (b)  non-NIH Collaborator  
(c)  NIH Contractor  
(d)  Other, specify \_\_\_\_\_

If b or c, will an Honest Broker or data use agreement be used? Yes  No

If yes, complete and attach the Honest Broker Assurance or data-use agreement to this submission; e-mail [ohsr\\_nih\\_ddir@od.nih.gov](mailto:ohsr_nih_ddir@od.nih.gov) to request a form.

**12. Select the best description that applies to the human data or information:**

- Data or information will not contain any identifiable information, nor can it be linked to individual subjects by you or your collaborators.  
 Data or information will be recorded in such a manner that subjects can be identified directly or through identifiers linked to the subjects

**13. Per NIH guidance, are all conflicts of interest by NIH employees (sender or receiver), if any, resolved?  Yes  No\*\***

*\*A Federalwide Assurance (FWA) is issued by the U.S. Department of Health and Human Services (DHHS)/ Office of Human Research Protections (OHRP) to institutions which receive Federal funds/support to conduct human subjects research. To search for the FWA# for domestic or international institutions go to <http://ohrp.cit.nih.gov/search/fwasearch.aspx?styp=bsc>*

*\*\*If the answer is "No", note that OHSRP will be unable to make a determination and research may not proceed until all conflicts are resolved. For more information, see the October 2011, [A Guide to Preventing Financial and Non-Financial Conflict of Interest in Human Subjects Research at NIH](#). For assistance review the list of Ethics Coordinators and find the contact for your IC: <http://ethics.od.nih.gov/coord.pdf>*

OMB # 0925-XXXX  
Expiration Date: XX/XXXX

### Physical Sciences - Oncology Centers Program Trainee Survey

Public reporting burden for this collection of information is estimated to range from 10 to 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.

The National Cancer Institute (NCI) Division of Cancer Biology (DCB) invites you to participate in an online survey pertaining to the Physical Sciences – Oncology Center (PS-OC) Program. Your participation is requested in order to evaluate the training component of the Physical Sciences in Oncology (PSO) Initiative. Your candid responses will be used evaluate to what extent the PS-OC program encouraged collaborative science and the career development of trainees in the field of physical sciences - oncology.

All information obtained will be kept secure, to the extent provided by law. You may start and stop the survey at your convenience. There are no risks to participating in this survey and you understand there are no direct benefits to you for participating in the survey, however it provides us the feedback that will be used to evaluate Phase I of the PS-OC Program.

Thanks in advance for your participation. We greatly appreciate your time and assistance.

1. How long have you been a member of the PS-OC program?

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

2. How have you participated 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: \_\_\_\_\_

3. Please select your current research title. Check only one.

- Undergraduate student
- Graduate student
- Postdoc
- Medical student
- Resident
- Other: Please describe: \_\_\_\_\_

4. How often do you interact with your PS-OC mentor?

- One initial meeting only
- Every 6 months
- Every 3 months
- Monthly
- Weekly
- Several times per week
- Daily

5. How would you define your scientific area of expertise BEFORE you were part of the PS-OC program compared to now?

	<b>Your field BEFORE PS-OC</b>	<b>Your field now</b>
Physical Scientist		
Cancer Biologist/Oncologist		
Trans-disciplinary Researcher		
Other: Please Define		

6. There are a variety of different types of scientists involved in the PS-OC program. Please identify the scientific areas for each of the following:

	<b>Your PS-OC mentor's field of training and expertise</b>	<b>The types of scientists you collaborate with currently</b>	<b>The types of scientists you would like to collaborate with in the future</b>
Physical Scientist			
Cancer Biologist/Oncologist			
Trans-disciplinary Researcher			
Other: Please Define			

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

	<b>Very High Impact</b>	<b>Moderate Impact</b>	<b>No Impact at All</b>		
Career development	5	4	3	2	1
Learning new skills	5	4	3	2	1
Gaining a new mentor	5	4	3	2	1
New collaborations with professionals in my field	5	4	3	2	1
New collaborations with professionals in other fields	5	4	3	2	1
Opening access to new equipment/technology	5	4	3	2	1

8. Based on your familiarity with the program and your personal experiences, how well is the young investigator trans-network process achieving the following goals?

	<b>Extremely Well</b>	<b>Moderately Well</b>	<b>Not at All Well</b>		
Increasing collaborations among centers in general	5	4	3	2	1
Increasing discussions/collaborations between young investigators	5	4	3	2	1
Advancing the convergence of physical science and oncology in cancer research	5	4	3	2	1
Making advances in cancer research	5	4	3	2	1

9. 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

9a. If yes, How many exchanges or other PS-OC investigator’s lab did you participate in?

- 1
- 2
- 3
- 4
- 5+

9b. Overall, how useful were these exchanges?

	<b>Extremely Useful</b>		<b>Moderately Useful</b>		<b>Not at All Useful</b>
Usefulness of student exchanges	5	4	3	2	1

10. 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:

11. Overall, how would you evaluate the overall quality of your PS-OC supported collaborations in the following areas:

	<b>Excellent</b>		<b>Fair</b>		<b>Poor</b>
Scientific Impact	5	4	3	2	1
Productivity	5	4	3	2	1
Rewarding to all parties involved equally	5	4	3	2	1
Communication among collaborators	5	4	3	2	1
Ability to utilize the strengths of different researchers involved	5	4	3	2	1
Enabling you to reach your own research milestones faster	5	4	3	2	1



12. 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 to 5 where 1 indicates that the issue did not impact the outcome(s) of the collaboration and 5 indicates that the issue severely impacted the collaboration.

	Yes, I experienced this	1=no impact 5=severe impact				
		1	2	3	4	5
Members prioritized their personal goals before the overall team goal	<input type="checkbox"/>					
Difficulties in sharing data	<input type="checkbox"/>					
The team members discuss issues only at a broad level	<input type="checkbox"/>					
Difficulties in sharing supplies, cells, tissue or equipment	<input type="checkbox"/>					
Responsibilities, roles, and expectations were not clear	<input type="checkbox"/>					
Difficulties in organizing travel	<input type="checkbox"/>					
Team members became competitive with one another	<input type="checkbox"/>					
Difficulties in communication across the scientific disciplines	<input type="checkbox"/>					
Lack of funds	<input type="checkbox"/>					
Power struggles	<input type="checkbox"/>					
Sharing credit	<input type="checkbox"/>					
The team did not meet regularly	<input type="checkbox"/>					
The team did not establish trust	<input type="checkbox"/>					
There is no reward structure at my institution for collaborations	<input type="checkbox"/>					
Trouble identifying additional team members to help	<input type="checkbox"/>					
Lack of clear vision or goals	<input type="checkbox"/>					
No agreement on the primary spokesperson	<input type="checkbox"/>					

13. 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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many PS-OC investigators within your Center do you work with now?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many of these new collaborations would have started without PS-OC program funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many do you anticipate will continue on after you leave PS-OC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	Excellent		Fair		Poor	Don't Know
Improving leadership skills in heading a trans-disciplinary study	5	4	3	2	1	DK
Mentoring junior faculty in leading and participating in a trans-disciplinary study	5	4	3	2	1	DK
Increasing the discussion about team science and collaborations at your institution	5	4	3	2	1	DK
Developing better policies to review and reward the team science at your institution	5	4	3	2	1	DK

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

	<b>Excellent</b>		<b>Fair</b>		<b>Poor</b>	<b>Don't Know</b>
	5	4	3	2	1	DK
Form trans-disciplinary teams focused on establishing physical sciences-centric themes in cancer research	5	4	3	2	1	DK
Build a collaborative trans-discipline research sharing network	5	4	3	2	1	DK
Promote collaboration by PS-OC researchers across the PS-OC network	5	4	3	2	1	DK
Educate trans-disciplinary scientists that pursue careers in the field of physical sciences in oncology	5	4	3	2	1	DK
Promote collaboration by PS-OC researchers beyond the PS-OC network	5	4	3	2	1	DK
Form new physical sciences in oncology programs at universities or institutions	5	4	3	2	1	DK
Test dogma-challenging hypothesis or cancer initiation and progression	5	4	3	2	1	DK
Bring new types of scientists to cancer research	5	4	3	2	1	DK
Generate new datasets in cancer research	5	4	3	2	1	DK
Generate new knowledge in cancer research	5	4	3	2	1	DK

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

OMB # 0925-XXXX  
Expiration Date: XX/XXXX

**Physical Sciences - Oncology Centers Program Former Trainee Survey**

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The National Cancer Institute (NCI) Division of Cancer Biology (DCB) invites you to participate in an online survey pertaining to the Physical Sciences – Oncology Center (PS-OC) Program. Your participation is requested in order to evaluate the training component of the Physical Sciences in Oncology (PSO) Initiative. Your candid responses will be used evaluate to what extent the PS-OC program encouraged collaborative science and the career development of trainees in the field of physical sciences - oncology.

All information obtained will be kept secure, to the extent provided by law. You may start and stop the survey at your convenience. There are no risks to participating in this survey and you understand there are no direct benefits to you for participating in the survey, however it provides us the feedback that will be used to evaluate Phase I of the PS-OC Program.

Thanks in advance for your participation. We greatly appreciate your time and assistance.

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

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

2. 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

3. Please select your current research title. Check only one.

- Undergraduate student
- Graduate student
- Postdoc
- Medical student
- Resident
- Other: Please describe: \_\_\_\_\_

4. 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: \_\_\_\_\_

5. To the best of your knowledge, how often did you interact with your PS-OC mentor? Please include all interactions in your response, please including 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

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

Yes

No

6a. If yes, is that relationship still ongoing today?

Yes

No

7. How would you define your scientific area of expertise BEFORE you were part of the PS-OC program compared to now?

	Your field BEFORE PS-OC	Your field now
Physical Scientist		
Cancer Biologist/Oncologist		
Trans-disciplinary Researcher		
Other: Please Define		

8. There are a variety of different types of scientists involved in the PS-OC program. Please identify the scientific areas for each of the following:

	Your PS-OC mentor's field of training and expertise	The types of scientists you collaborate with currently	The types of scientists you would like to collaborate with in the future
Physical Scientist			
Cancer Biologist/Oncologist			
Trans-disciplinary Researcher			
Other: Please Define			

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

	Very High Impact	4	Moderate Impact	3	No Impact at All	2	1
Career development	5	4	3	2	1		
Learning new skills	5	4	3	2	1		
Gaining a new mentor	5	4	3	2	1		
New collaborations with professionals in my field	5	4	3	2	1		
New collaborations with professionals in other fields	5	4	3	2	1		
Opening access to new equipment/technology	5	4	3	2	1		

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

	<b>Extremely Well</b>		<b>Moderately Well</b>		<b>Not at All Well</b>	<b>Don't Know</b>
Increasing collaborations among centers in general	5	4	3	2	1	DK
Increasing discussions/collaborations between young investigators	5	4	3	2	1	DK
Advancing the convergence of physical science and oncology in cancer research	5	4	3	2	1	DK
Making advances in cancer research	5	4	3	2	1	DK

11. 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

11a. If yes, How many exchanges or other PS-OC investigator’s lab did you participate in?

- 1
- 2
- 3
- 4
- 5+

11b. Overall, how useful were these exchanges?

	<b>Extremely Useful</b>		<b>Moderately Useful</b>		<b>Not at All Useful</b>
Usefulness of student exchanges	5	4	3	2	1

12. Are you currently conducting research in the field of physical sciences – oncology?

- Yes
- No

If yes, please briefly describe that research:

13. 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:

14. Have you maintained any of your PS-OC collaborations into your current research?

- Yes
- No

Why or why not?

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

- Yes
- No



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

	Excellent		Fair		Poor
Scientific Impact	5	4	3	2	1
Productivity	5	4	3	2	1
Rewarding to all parties involved equally	5	4	3	2	1
Communication among collaborators	5	4	3	2	1
Ability to utilize the strengths of different researchers involved	5	4	3	2	1
Enabling you to reach your own research milestones faster	5	4	3	2	1

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

	Excellent		Fair		Poor
Scientific Impact	5	4	3	2	1
Productivity	5	4	3	2	1
Rewarding to all parties involved equally	5	4	3	2	1
Communication among collaborators	5	4	3	2	1
Ability to utilize the strengths of different researchers involved	5	4	3	2	1
Enabling you to reach your own research milestones faster	5	4	3	2	1

18. What difficulties, if any, did you experience during your trans-disciplinary collaborations in the PS-OC program? Please rate the severity of these difficulties on a scale of 1 to 5 where 1 indicates that the issue did not impact the outcome(s) of the collaboration and 5 indicates that the issue severely impacted the collaboration.

	Yes, I experienced this	Don't Know	1=no impact 5=severe impact				
			1	2	3	4	5
Members prioritized their personal goals before the overall team goal	<input type="checkbox"/>	DK					
Difficulties in sharing data	<input type="checkbox"/>	DK					
The team members discuss issues only at a broad level	<input type="checkbox"/>	DK					
Difficulties in sharing supplies, cells, tissue or equipment	<input type="checkbox"/>	DK					
Responsibilities, roles, and expectations were not clear	<input type="checkbox"/>	DK					
Difficulties in organizing travel	<input type="checkbox"/>	DK					
Team members became competitive with one another	<input type="checkbox"/>	DK					
Difficulties in communication across the scientific disciplines	<input type="checkbox"/>	DK					
Lack of funds	<input type="checkbox"/>	DK					
Power struggles	<input type="checkbox"/>	DK					
Sharing credit	<input type="checkbox"/>	DK					
The team did not meet regularly	<input type="checkbox"/>	DK					
The team did not establish trust	<input type="checkbox"/>	DK					
There is no reward structure at my institution for collaborations	<input type="checkbox"/>	DK					
Trouble identifying additional team members to help	<input type="checkbox"/>	DK					
Lack of clear vision or goals	<input type="checkbox"/>	DK					
No agreement on the primary spokesperson	<input type="checkbox"/>	DK					

19. 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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many PS-OC investigators from your Center do you work with now?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many of these new collaborations would have started without PS-OC program funding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many do you anticipate will continue into the future?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	Excellent		Fair		Poor	Don't Know
Improving leadership skills in heading a trans-disciplinary study	5	4	3	2	1	DK
Mentoring junior faculty in leading and participating in a trans-disciplinary study	5	4	3	2	1	DK
Increasing the discussion about team science and collaborations at your institution	5	4	3	2	1	DK
Developing better policies to review and reward the team science at your institution	5	4	3	2	1	DK

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

	<b>Excellent</b>		<b>Fair</b>		<b>Poor</b>	<b>Don't Know</b>
Form trans-disciplinary teams focused on establishing physical sciences-centric themes in cancer research	5	4	3	2	1	DK
Build a collaborative trans-discipline research sharing network	5	4	3	2	1	DK
Promote collaboration by PS-OC researchers across the PS-OC network	5	4	3	2	1	DK
Educate trans-disciplinary scientists that pursue careers in the field of physical sciences in oncology	5	4	3	2	1	DK
Promote collaboration by PS-OC researchers beyond the PS-OC network	5	4	3	2	1	DK
Form new physical sciences in oncology programs at universities or institutions	5	4	3	2	1	DK
Test dogma-challenging hypothesis or cancer initiation and progression	5	4	3	2	1	DK
Bring new types of scientists to cancer research	5	4	3	2	1	DK
Generate new datasets in cancer research	5	4	3	2	1	DK
Generate new knowledge in cancer research	5	4	3	2	1	DK

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

**NCI Grantee Survey**

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Thank you for taking the time to complete this survey for the National Cancer Institute (NCI). We are conducting an evaluation of how specific types of professional program involvement may impact a variety of professional outcomes. Your answers to this survey will help provide valuable information and will help NCI make informed future program decisions.

When completing this survey, please think specifically about your experiences with the PS-OC, ICBP, EDNR, CCNE, TMEN, or MMHCC program, and program components you have used over the last five years.

1. To begin, please indicate your level of involvement with each of the following within your consortium or research network during the last five years.

Program Elements	Level of Involvement				
	High		Moderate		None
Annual meetings	5	4	3	2	1
Reading newsletters/emails from the program	5	4	3	2	1
Participating in steering committee meetings	5	4	3	2	1
Receiving a site visit	5	4	3	2	1
Reporting requirements that I track and submit	5	4	3	2	1
Feedback from program officials on progress reports	5	4	3	2	1
Interactions and familiarity with program official(s)	5	4	3	2	1
Participating in working groups	5	4	3	2	1
Attending young investigator meetings	5	4	3	2	1
Participating in network/group activities and projects	5	4	3	2	1
Using/participating in special issue journals or specialized workshops	5	4	3	2	1
Using additional resources (data coordinating centers, biospecimen resources, data sharing plans)	5	4	3	2	1

**If the investigator selects a “2” or higher on any of the above program elements, they will be asked to answer two questions about that program element. This is demonstrated below for the first program element, *Annual Meetings*:**

**Annual Meetings**

2. How much has your participation in these annual meetings contributed to the following?

	Level of Contribution of Annual Meetings to:				
	High		Moderate		None
Making new professional contacts	5	4	3	2	1
Using new professional collaborations in my research	5	4	3	2	1
Working on translational research	5	4	3	2	1
Making research progress towards grant development	5	4	3	2	1
Receiving grant awards	5	4	3	2	1
Working on innovative cancer research	5	4	3	2	1
Working on impactful cancer research	5	4	3	2	1
Developing new infrastructure for cancer research at my institution	5	4	3	2	1
Disseminating my research	5	4	3	2	1

3. Was there one single outcome that your participation in annual meetings contributed to the most? Select only one from the list below.

- Making new professional contacts
- Using new professional collaborations in my research
- Working on translational research
- Making research progress towards grant development
- Receiving grant awards
- Working on innovative cancer research
- Working on impactful cancer research
- Developing new infrastructure for cancer research at my institution
- Disseminating my research

3a. Can you describe in more detail below how this program element helped lead to this outcome?

**Demographics**

4. Please identify your primary affiliation with the Physical Sciences-Oncology Centers Program (select only one).

- Center Principal Investigator (PI)
- Center Senior Scientific Investigator (SI)
- PS-OC Project/Core Investigator (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

5. Which of the following best describes your scientific background/training?

- Physical Scientist
- Cancer Biologist/Oncologist
- Trans-disciplinary Researcher
- Other: Please explain: \_\_\_\_\_

6. What is your professional title?

- Research Scientist
- Assistant Professor
- Associate Professor
- Full Professor
- Department Chair
- Cancer Center Director
- Dean
- Other: Please explain: \_\_\_\_\_

OMB # 0925-XXXX  
Expiration Date: XX/XXXX

### Expert Review Panel Scoring Sheet – Version #3

**NOTE:** *This form is being designed for online entry. The publication titles being reviewed will be embedded directly into the document.*

Public reporting burden for this collection of information is estimated to be 8 hours 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.

#### INSTRUCTIONS

This packet contains (\*Total Number\*) papers/publications for your review. Please review each of the papers in this packet while considering the following:

- The impact of each researcher’s individual paper(s) on the field of cancer research.
- The impact of a researcher’s set of papers, taken as a whole, on the field of cancer research.
- The innovation of the approaches taken in the researcher’s individual paper(s).
- The innovation of the approaches taken in the researcher’s set of papers taken as a whole.

Please read through this entire form before your begin your review. Links to the papers you will be reviewing are included directly in this document.

If you are reviewing more than one set of papers, you will be sent a separate review sheet for each set. Please complete each review sheet separately for each set of papers you are being asked to review.

If you have any questions as you proceed, please contact (\*name\*) and (\*email address\*).

The review sheet begins on the next page.



1. How would you rate the impact of each of the following individual papers on the field of cancer research? Please select the number that best represents your response.

	<b>Very High Impact</b>		<b>Moderate Impact</b>		<b>No Impact</b>
Title of Paper 1	5	4	3	2	1
Title of Paper 2	5	4	3	2	1
Title of Paper 3	5	4	3	2	1
Title of Paper 4	5	4	3	2	1
Title of Paper 5	5	4	3	2	1

- 1a. How would you rate the impact of this set of papers, taken as a whole, on the field of cancer research?

	<b>Very High Impact</b>		<b>Moderate Impact</b>		<b>No Impact</b>
Set of Papers	5	4	3	2	1

2. Did you observe any of the following types of impact in this set of papers?  
(Check all that apply)

- Radically changes present understanding of an important existing scientific concept
- Leads to the creation of a new paradigm or field of science
- Challenges present understanding in the field
- Provides pathways to new frontiers
- Challenges conventional wisdom
- Leads to unexpected insights that enable new techniques or methodologies
- Redefines the boundaries of the field of science
- Solves long-standing questions, providing opportunities for moving forward
- Has high translational or clinical potential
- Is likely to lead to technology transfer, patents or spin-offs
- Other: (please specify: )

3. Regardless of the impact of the research, how would you rate the level of innovation in the approaches taken in each of the individual papers in this packet?

	<b>Extremely Innovative</b>		<b>Moderately Innovative</b>		<b>Not at All Innovative</b>
Title of Paper 1	5	4	3	2	1
Title of Paper 2	5	4	3	2	1
Title of Paper 3	5	4	3	2	1
Title of Paper 4	5	4	3	2	1
Title of Paper 5	5	4	3	2	1

4. Regardless of the impact of the research, how would you rate the level of innovation in the approaches taken in this set of papers as a whole?

	<b>Extremely Innovative</b>		<b>Moderately Innovative</b>		<b>Not at All Innovative</b>
Set of Papers	5	4	3	2	1

5. Did you observe any of the following types of innovation in this set of papers?  
(Check all that apply)

- New methodology employed
- Cutting edge approach to the topic
- New combination of approaches used
- Creative combination of disciplines and/or materials used
- The ideas underlying the research are at odds with prevailing wisdom
- The research requires the use of equipment or techniques that have not been proven or are considered extraordinarily difficult
- Creative use or improvement of existing techniques
- Other: (please specify: )

6. How closely aligned is your personal field of research with the field of research that you reviewed in this packet?

	<b>Extremely Aligned</b>		<b>Moderately Aligned</b>		<b>Not at All Aligned</b>
Set of Papers	5	4	3	2	1

**From:** [Moore, Nicole \(NIH/NCI\) \[E\]](#)  
**To:** [Eiserman, Julie \(NIH/OD\) \[C\]](#)  
**Subject:** Re: Follow Up re: Request for Determination OHSRP# 12934  
**Date:** Wednesday, June 03, 2015 2:54:24 PM

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Hi Julie

Yes. The sole purpose of the activity is for a program evaluation. There is no research component.

Best  
Nicole

On Jun 3, 2015, at 2:38 PM, Eiserman, Julie (NIH/OD) [C] <[julie.eiserman@nih.gov](mailto:julie.eiserman@nih.gov)> wrote:

Hello Dr. Moore,

I am following up with you regarding your request for a determination. Can you tell me if the sole purpose of your planned activity is a program evaluation or a quality assessment or improvement effort for internal use only? Or would you say this activity is also research, which as defined under the DHHS regulations is a systematic investigator to develop or contribute to generalizable knowledge?

If the activity is purely program evaluation or quality assessment or improvement and not research, just keep in mind that you don't need to submit that type of project to us in the future. We will however provide a determination for you today, since you did submit a request to us.

*Julie M. Eiserman, MA, CCRP* [C]

Health Science Policy Analyst  
Office of Human Subjects Research Protections  
Office of Intramural Research, Office of the Director  
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Fax: 301-402-3443  
Email: [julie.eiserman@nih.gov](mailto:julie.eiserman@nih.gov)  
OHSRP website: <https://federation.nih.gov/ohsr/nih/index.php> (NIH login required)  
Public site: <http://ohsr.od.nih.gov/>

## OHSR (NIH/DDIR)

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**From:** Moore, Nicole (NIH/NCI) [E]  
**Sent:** Monday, May 11, 2015 9:37 AM  
**To:** OHSR (NIH/DDIR)  
**Subject:** Request for for OHSRP Determination for Survey  
**Attachments:** IRB Exception 2015\_Signed.pdf

Hi,

Attached please find a completed signed OHSRP determination request form for surveys along with the survey questions. These surveys are for evaluation of the Physical Sciences in Oncology Centers Program at NCI.

Please let me know if you have any questions. I look forward to hearing from you.

Best,  
Nicole

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Nicole M. Moore, D.Sc.  
Program Director  
Structural Biology and Molecular Applications Branch  
Division of Cancer Biology  
National Cancer Institute  
Tel. 240-276-7624  
Cell. 301-325-7534  
Email. [nicole.moore@nih.gov](mailto:nicole.moore@nih.gov)  
PS-OC Web. <http://physics.cancer.gov>

## OHSR (NIH/DDIR)

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**From:** OHSR (NIH/DDIR)  
**Sent:** Friday, May 15, 2015 2:26 PM  
**To:** Moore, Nicole (NIH/NCI) [E]  
**Subject:** Req for Determination Rec'd\_OHSRP 12934

Good afternoon Dr. Moore,

This email is to verify that OHSRP has received your Request for Determination and it is currently being processed as **OHSRP #12934**. Please use this number in any future correspondence regarding this study.

**Protocol Title:** Early Outcomes Assessment of the Physical Sciences- Oncology Centers Program

Thank you.

Sincerely,  
Chris Brentin  
OHSRP - National Institutes of Health  
Bldg 10, Suite 2C146  
Bethesda, MD 20892  
Office Telephone: 301-402-3444  
Office Fax: 301-402-3443

***The NIH is committed to maintaining the highest standards for the protection of human subjects.***

 Please consider the environment before printing this e-mail