**Applying Big Data to Address the Social Determinants of Health in Oncology**

*A National Cancer Policy Forum Workshop*

*In Collaboration with the Committee on Applied and Theoretical Statistics*

**DRAFT Workshop Agenda**

The National Academies of Sciences  
2101 Constitution Avenue, NW, Lecture Room  
Washington, DC 20418

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Registration and Breakfast</td>
</tr>
</tbody>
</table>
| 8:00 am| Welcome from the National Cancer Policy Forum and Board on Mathematical Sciences and Analytics  
Robert Winn, University of Illinois at Chicago  
Planning Committee Chair  
Nicholas Horton, Amherst College  
Committee on Applied and Theoretical Statistics |
| 8:15 am| Session 1: Workshop Overview  
*Moderator: Victoria Seewaldt, City of Hope*  
The Social Determinants of Health and their Influence on Cancer Risk and Outcomes  
- John Ayanian, University of Michigan  
- Chanita Hughes-Halbert, Medical University of South Carolina  
Opportunities to Leverage Big Data and Analytic Methods in Oncology  
Industry perspective  
- Paul Tang, IBM Watson Health  
- Speaker pending  
Academic perspective  
- Beth Virnig, ResDAC and University of Minnesota  
Advancing Health Equity and Fairness in Big Data Applications in Oncology  
- Scarlett Lin Gomez, UCSF Helen Diller Family Comprehensive Cancer Center  
Panel Discussion  
Speakers plus:  
- Gwen Darien, National Patient Advocate Foundation  
- Mary Jackson Scroggins, Pinkie Hugs, LLC |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:30 am</td>
<td>Session 2: Highlighting Novel Data Sources and Methodologies Co-Moderators: Rebecca Miksad, Flatiron Health and Nicholas Horton, Amherst College</td>
</tr>
</tbody>
</table>
|         | Overview Presentation: Opportunities to Leverage and Link Cancer Registry Data with Other Sources  
|         |  • Lynne Penberthy, National Cancer Institute |
|         | Lightning Presentations  
|         | Geospatial Mapping  
|         |  • Marta Jankowska, University of California, San Diego |
|         | Opportunities for Real World Data  
|         |  • Blythe Adamson, Flatiron Health |
|         | Observational Health Data Sciences and Informatics (OHDSI)  
|         |  • David Madigan, Columbia University |
|         | Translational Genomics and Health Disparities  
|         |  • John Carpten, University of Southern California |
|         | Citizen Science and Digital Health Data  
|         |  • Abby King, Stanford University |
|         | Regulatory Considerations with Novel Data Sources and Methods  
|         |  • Sean Khozin, Food and Drug Administration Oncology Center of Excellence |
|         | Additional Speakers Pending |
|         | Panel Discussion |
| 12:30 pm| Lunch Break & Poster Session |
| 1:30 pm | Session 3: Data Policy and Ethical Considerations  
|         | Moderator: Timothy Rebbeck, Dana-Farber Cancer Institute |
|         | Ensuring Equity and Representativeness in Oncology Research  
|         |  • Augusto Ochoa, Louisiana State University Stanley S. Scott Cancer Center |
|         | Data Security and Patient Privacy Issues with the Use of Big Data  
|         | Legal Perspective  
<p>|         |  • Kristen Rosati, Coppersmith Brockelman PLC |
|         | Technical/Cybersecurity Perspective |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30 pm</td>
<td>Break</td>
</tr>
</tbody>
</table>
| 3:45 pm    | **Session 4: Priorities and Opportunities for Collaboration and Data Sharing to Promote Health Equity**  
**Moderator:** Karen Basen-Engquist, MD Anderson Cancer Center  
**State-wide Cancer Consortia Efforts**  
- Scott Ramsey, Hutchinson Institute for Cancer Outcomes Research  
**GRAVITY Project of the Social Interventions Research and Evaluation Network (SIREN)**  
- Caroline Fichtenberg, University of California, San Francisco and Social Interventions Research & Evaluation Network (presenting remotely)  
**Health Care Organizations**  
- John Steiner, Kaiser Permanente Social Needs Network for Evaluation and Translation  
**Cancer Centers**  
- Cornelia Ulrich, Huntsman Cancer Institute  
**Additional Speakers Pending**  
**Panel Discussion** |
| 5:45 pm    | Reception with Continued Poster Session  
**Wrap up Day 1** |
| **October 29, 2019** | **Session 5: Identifying Research Gaps and Setting a Research Agenda**  
**Moderator:** Robin Yabroff, American Cancer Society  
**Panelists:**  
- Arlene Ash, University of Massachusetts Medical School  
- Katherine Hempstead, Robert Wood Johnson Foundation  
- Clifford Hudis, American Society of Clinical Oncology |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 am</td>
<td>Break</td>
</tr>
</tbody>
</table>
| 10:15 am | **Session 6: Panel Discussion: Participant Recommendations for the Path Forward**  
**Moderator:** Stanton Gerson, Case Comprehensive Cancer Center  
Panelists:  
- Scarlett Lin Gomez, UCSF Helen Diller Family Comprehensive Cancer Center  
- Clifford Hudis, American Society of Clinical Oncology  
- Deborah Schrag, Dana-Farber Cancer Institute and JAMA Associate Editor  
- John Steiner, Kaiser Permanente Social Needs Network for Evaluation and Translation  
- Beth Virnig, ResDAC and University of Minnesota  
- George Weiner, University of Iowa Holden Comprehensive Cancer Center  
- Panelist pending |
| 11:30 am | **Workshop Wrap Up**  
Robert Winn, University of Illinois at Chicago |
| 11:45 am | Adjourn |