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Welcome to the 2012 BRN Symposium!

Helen M. Moore, PhD



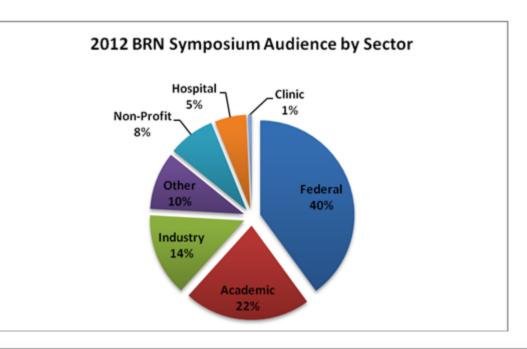
Welcome!



- The BRN Symposium is still growing!
 - Covers BRN-sponsored investigations and Biospecimen Science investigations all over the world
- 439 registered to attend in person
- 125 registered for the live videocast hello!
- Who's here?

Federal	169
Academic	92
Industry	60
Other	42
Non- Profit	34
Hospital	23
Clinic	3

Representatives from: -34 U.S. states -14 non-U.S. countries



On the Road to Molecular Medicine...

OBBR Office of Biorepositories and Biospecimen Research

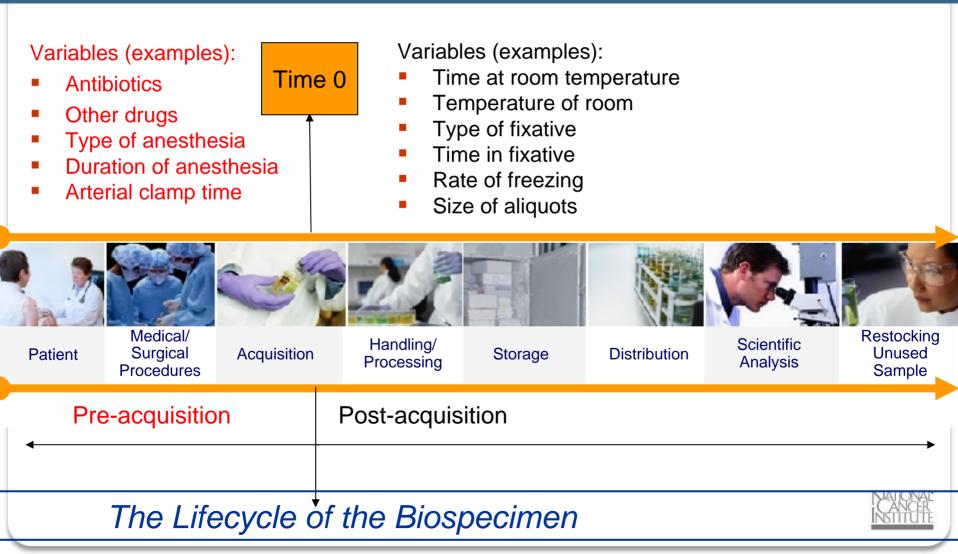
...there are some significant obstacles to progress.

- Lack of standardization of biospecimen collection, processing and storage
 - Needed to ensure accuracy of research data and provide robust testing of patient samples
- Lack of knowledge about how different methods of biospecimen collection, processing and storage alter the biological picture presented by the specimen
 - A significant confounding factor in research
 - An issue for us all academics, government, industry
 - Why we're here today!



Multiple pre-analytical variables can affect the molecular integrity of the biospecimen

OBBR Office of Biorepositories and Biospecimen Research



What Are the Issues for Cancer Researchers Utilizing Human Biospecimens?

- o I know if the biospecimen in hand is suitable for my
- How do I know if the biospecimen in hand is suitable for my research?
- What data do I have about how a biospecimen was collected, processed, and stored?
- Will differing ways of collecting, processing, and storing biospecimens affect my ability to obtain reproducible research results using those biospecimens?



Office of Biorepositories and Biospecimen Research What Are the Issues for Cancer Researchers Utilizing Human Biospecimens?



- How do I prospectively collect good biospecimens for my research purpose?
- Will today's biospecimen SOPs, different across different hospitals, allow for advanced molecular testing tomorrow?
- What is the scientific basis of a good biospecimen SOP?



What is the Opportunity for Biospecimen Science?

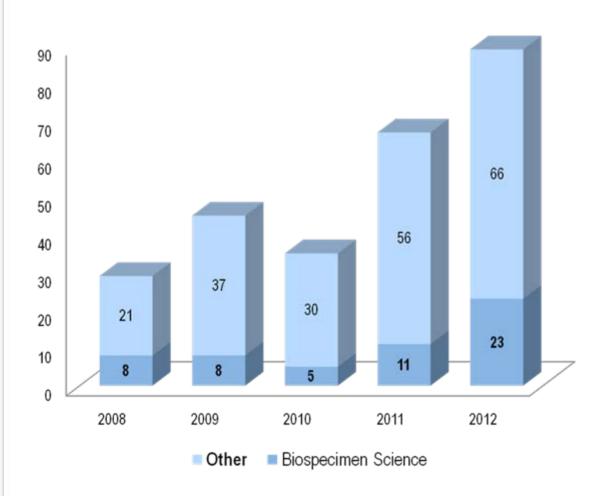
- To enable better, more reproducible cancer research
- To develop better products from that research
- To do so faster, better, more reliably
- To translate better research to better products for patients



Office of Biorepositories and Biospecimen Research

Growth in BRN Symposium Abstracts

OBBR Office of Biorepositories and Biospecimen Research



2012 Abstract Breakdown **Biospecimen Science:** 5 Blood and Fluids 16 Tissues and Cells 2 Purified Analytes Other: 15 Technology/Protocol International Biobanking 7 **Domestic Biobanking** 12 **Biobanking Informatics** 14 5 **Quality Management**

- 13 Other, including ELSI
- 89 Total



Biospecimen Research Database

OBBR Office of Biorepositories and Biospecimen Research

- Curated literature database for Biospecimen Science
- 1100 articles represented



Thanks to...



- Andrea Kelly, Rose Li and Associates
- Abstract review team: Jim Vaught, Andrea Kelly, David Litwack, Leah Mechanic, Sherry Schully, Yaffa Rubinstein
- The Biospecimen Research Database team: Kelly Engel, Paige Bass, Sarah Greytak
- The OBBR team, past and present
- The extended team at SAIC-Frederick who work with NCI to develop and manage research



Listen, talk to each other, learn

OBBR Office of Biorepositories and Biospecimen Research

- 28 podium presentations
- Networking:
 - Q&A sessions, breaks
 - "Meet the Experts" today at lunch 21 topics sign up!
 - 4 scheduled "Meet the Experts" tables and space for informal meetings – tomorrow morning, 8-9 am
 - Poster session tonight 5:30-7 and at lunch tomorrow
- New LinkedIn BRN Group for continued biospecimen science networking
- Have a great meeting!



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