Medical Management of Radiation Casualties Workshop: 
Where Research and Usage Meet

National Institute of Allergy and Infectious Diseases (NIAID)
Radiation Injury Treatment Network (RITN)

Date: July 18-19, 2016
Location: NIAID Room 1D13, 5601 Fishers Lane Rockville, MD 20892
Coordinators: David Cassatt, PhD (NIAID), Lanyn Taliaferro, PhD (NIAID),
Cullen Case (RITN/NMDP), and David Weinstock, MD (RITN/Harvard)

DAY 1: Medical Management in the Field and in the Laboratory

MORNING SESSION (8:00-11:45 am)

8:00-9:00 am  Registration

9:00-9:10 am  David Cassatt, PhD – NIAID
              Welcome

Moderator: David Weinstock, MD – Harvard, RITN

9:10-9:40 am  Chad Hrdina, MS, EMT, GC-WMD – ASPR
              Utilization of MCMs in Operational Response to a Nuclear Detonation: Important
              Considerations for Animal Model Development

9:50-10:10 am Susan Gorman, PharmD, DABAT – CDC
              Strategic National Stockpile Assets

10:10-10:30 am Q&A Session

10:30-10:50 am Break*
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<tr>
<th>Time</th>
<th>Speaker</th>
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<tr>
<td>10:50-11:10 am</td>
<td>Dan Hanfling, MD – ASPR</td>
<td>Prioritizing Emergency Care: Assembly Center Operational Plans; Who-What-Where-When-How</td>
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<td>11:10-11:30 am</td>
<td>Al Romanosky, MD – Maryland Office of Preparedness and Response</td>
<td>State/Local Public Health Role</td>
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<td>11:30-12:00 pm</td>
<td>Q&amp;A Session</td>
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<td>12:00-1:00 pm</td>
<td>Lunch*</td>
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**AFTERNOON SESSION (1:00-4:30 pm)**

**Session 2: Animal Models: The State of the Art**

Focus of session: Animal models, especially NHPs, have been established to mimic ARS and allow for trials of novel interventions. In this session, we will address: What is the state of the art of medical management in animal models? What can be done to better model expected human scenarios?

**Moderator: David Cassatt, PhD - NIAID**

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<th>Time</th>
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<tr>
<td>1:00-1:20 pm</td>
<td>Tom MacVittie, PhD – UMSOM</td>
<td>Animal Models: Predicting the Human Response to Lethal Irradiation and Treatment</td>
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<td>1:20-1:40 pm</td>
<td>Melanie Doyle-Eisele, PhD – Lovelace Biomedical and Environmental Research Institute</td>
<td>Considerations for Field Supportive Care: What is Feasible</td>
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<td>1:40-2:00 pm</td>
<td>Gabor Tigyi, PhD – UTHSC</td>
<td>What We Do and Don’t Know about the Pathophysiology and Management of GI-ARS</td>
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<td>2:00-2:20 pm</td>
<td>Simon Authier, DVM, MBA, PhD – CiToxLAB</td>
<td>Medical Management of Rhesus ARS: Crossroads between Clinical Relevance, MCM Mechanism of Action and the Animal Model</td>
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<td>2:20-2:45 pm</td>
<td>Q&amp;A Session and description of breakout</td>
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<td>2:45-3:00 pm</td>
<td>Break*</td>
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<td>3:00-4:00 pm</td>
<td>Breakout: Rooms LD20A/B, LD30A/B</td>
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What questions need to be answered relevant to the use of animal models for ARS to make them most appropriate for expected scenarios?

Participants will be asked to contribute to small group discussions that develop a set of questions to drive the: 1) development of next-generation models, 2) regulatory landscape, 3) FDA evaluation of diagnostics and therapeutics for specific indications.

4:15-5:00 pm  **Reconvene to discuss responses from Breakout: Room 1D13**  
**Moderator:** Andrea DiCarlo-Cohen, PhD – NIAID

5:00-?  **Gather for Happy Hour**  
Matchbox  
1699 Rockville Pike  
Rockville, MD

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**DAY 2: CONOPS and Regulatory Considerations**

8:30-8:40 am  **Summary and Recap of Day 1**

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**Session 3: CONOPS and Regulatory Considerations**

**Focus of session:** What are the CONOPS considerations for animal model development? How have different organizations balanced CONOPS considerations with ideal practice and IACUC considerations when developing a medical management protocol? What regulatory, ethical and other concerns limit model development?

**Moderator:** Lanyn Taliaferro, PhD – NIAID

8:40-9:00 am  David Weinstock, MD - Harvard  
*RITN and What We Expect*

9:00-9:20 am  Andrea Powell, PhD – CDER  
*Animal Care Interventions and Product Development Under the Animal Rule*

9:20-9:50 am  Angela J. Jackson, PhD, MAT – BARDA  
*CONOPS and Regulatory Considerations*

9:50-10:10 am  **Q&A Session**

10:10-10:30 am  **Break**

10:30-11:15 pm  **Breakout: Rooms LD20A/B, LD30A/B**
Topics based on conclusions from first breakout session, Session 3 presentations and questions arising from participant questions. What should NIAID and other government agencies take away from the workshop?

11:15-12:00 pm  Reconvene to discuss responses from Breakout: Room 1D13  
Moderator: Cullen Case, CEM®, CHEP – NMDP, RITN

12:00-12:15 pm  Lany Taliaferro, PhD – NIAID  
Closing Remarks/Further Questions

* NIAID cafeteria will be open for purchase of snacks, beverages, and lunch
** For Happy Hour pricing, visit: http://www.matchboxrestaurants.com/menu/happy-hour/