Multilateral Meeting on Radiological & Nuclear Medical Preparedness: Advancing Global Readiness Through Translational Science, Countermeasure Development, and Coordinated Response

Autorité de Sûreté Nucléaire et de Radioprotections (ASNR), Fontenay-aux-Roses, France
and
Radiation and Nuclear Countermeasures Program (RNCP), National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Rockville, MD, USA

December 2nd – December 3rd, 2026
Zoom Link for Multilateral Meeting

Join ZoomGov Meeting

https://nih.zoomgov.com/j/1657555962?pwd=ZqSoc9H1av48RRzjQkk7ip2J8av2AH.1
Meeting ID: 165 755 5962
Passcode: 587645

Wednesday, December 2nd, 2026

9:15 am Audio/Visual Check-in

9:30 am Welcome & meeting goals – Radia Tamarat, PhD; ASNR, and Merriline Satyamitra, PhD; NIAID

Session I: Medical Emergency Preparedness for Radiation Disasters
Moderators: Andrea DiCarlo, PhD; NIAID and David Cassatt, PhD; NIAID

9:45 am The role of WHO in global public health preparedness and response to radiation emergencies – Zhanat Kenbayeva, MD, PhD; Technical Lead, World Health Organization Radiation and Health Program

10:00 am IAEA-IEC Medical emergency preparedness and response – Rana Ahmed, MS; Emergency Preparedness Officer, International Atomic Energy Agency

10:15 am Japanese Fukushima response – Nobuyuki Hirohashi, MD, PhD; Director, Radiation Disaster Medicine Support Center, Hiroshima University

10:30 am UK/EU research and research needs related to emergency response – Elizabeth Ainsbury, PhD; Science Authority, AWE Nuclear Security Technologies

10:45 am Public health and medical preparedness in Canada – Chunsheng Li, PhD; Senior Scientist, Health Canada

11:00 am US Centers for Disease Control and Prevention radiation preparedness – Lauren Finklea, DrPH; Lead Health Physicist, Centers for Disease Control and Prevention.

11:15 pm Discussion

11:45 am Lunch

Session II: Decontamination of Radioactive Particles
Moderators: Radia Tamarat, PhD; ASNR and Carmen Rios, PhD; NIAID

12:30 pm Hospital protocol integration with medical countermeasures – Deborah Benchetrit, MD; Head of CORRAD, Pitié-Salpétrière Hospital, AP-HP

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12:50 pm Decorporation and decontamination treatments: Current research programs in Europe – Guillaume Phan, PhD, PharmD; Head of Metrology and Operational Support Laboratory, ASNR

1:10 pm External vs. internal contamination: clinical implications – Jonathan Button, PhD; Chief, Radiation Laboratory, Centers for Disease Control and Prevention

1:30 pm French approach to treatment strategy for radiation injuries – Michel Brachet, MD, Plastic Surgeon, Percy Hospital

1:50 pm Break

2:00 pm From laboratory promise to national preparedness: A retrospective on HOPO development as a novel, commercially viable medical countermeasure against nuclear threat – Rebecca Abergel, PhD; Professor, University of California, Berkeley

2:20 pm Optimization of chelation therapy in a mass casualty event – John Klumpp, PhD, CHP; Internal Dosimetry Program Lead, Los Alamos National Laboratory

2:40 pm Rapid bioassay monitoring: From measurement to medical countermeasure decision-making – Pramilla Sawant, PhD; Head, Internal Dosimetry Section, Bhaba Atomic Research Center

3:00 pm Discussion

3:30 pm Adjourn

Thursday, December 3rd, 2026

8:50 am Welcome – Merriline Satyamitra, PhD (NIAID)

Session III: Medical Countermeasures for ARS and Delayed Effects of Acute Radiation Exposure
Moderators: Andrea DiCarlo, PhD; NIAID and Lanyn Taliaferro, PhD; NIAID

9:00 am Radiation biology research undertaken at the Centre for Radiation Research, Education and Innovation at Adelaide University – Anthony Hooker, PhD, Director, Centre for Radiation Research, Education and Innovation, Adelaide University

9:20 am Translational countermeasures against acute radiation syndrome and radiation injuries: From long-term post-irradiation survival to cancer radiotherapy – Alegria Montoro, PhD; Head, Biodosimetry Laboratory, La Fe University and Polytechnic Hospital & José María Estrela, MD, PhD; Department of Physiology, University of Valencia

9:45 am Acute radiation syndrome and the delayed effects of acute radiation exposure – Alain Chapel, PhD; Researcher, ASNR

10:05 am Medical countermeasures for cardiopulmonary DEARE – Marjan Boerma, PhD; Division Director, University of Arkansas for Medical Sciences (UAMS)

10:25 am Break

10:40 am Advancing science through responsible animal research – Delphine Denais-Lalieve DVM; Head of Laboratory Animal Resources, ASNR

11:00 am New approach methodologies (NAMs) for medical countermeasures – Joseph Wu, MD, PhD; Director, Stanford Cardiovascular Institute

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11:20 am Discussion

11:50 am Lunch

Session IV: Radiation Dosimetry & Biodosimetry for Triage and Medical Management
Moderators: Merriline Vedamony, PhD; NIAID, and Tom Winters, PhD; NIAID

12:30 pm The role of retrospective physical dosimetry in large-scale radiological emergency response strategies – Francois Trompier, PhD; Senior Researcher, ASNR

12:50 pm Gene expression-based diagnostics after radiation exposure: Recent developments and emerging tools – Patrick Ostheim, MD, PhD; Lieutenant Colonel, Bundeswehr Institute of Radiobiology

1:10 pm Development of CardioWatch as a tool for early prediction of cardiac fibrosis to support emergency preparedness – Amrita Cheema, PhD; Full Professor, Georgetown University

1:30 pm Operational challenges and solutions for mass casualty biodosimetry – Ken Damer, MSc; Chief Technology Officer, ASELL

1:50 pm The Canadian Biodosimetry Network approach – Ruth Wilkins, PhD; Senior Scientist, Health Canada

2:10 pm Treatment of cutaneous radiation injury based on dose assessment – Minsu Cho, MD, PhD; Director General, National Radiation Emergency Medical Center, Korea Institute of Radiological and Medical Sciences

2:30 pm From established DCA to scalable biodosimetry: Advancing laboratory readiness for radiation Emergencies – Heyjin Kim, MD; Director, Department of Dosimetry Assessment; Korea Institute of Radiological and Medical Sciences

2:50 pm Discussion

3:20 pm Closing remarks – Andrea DiCarlo, PhD; NIAID

3:30 pm Adjourn

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