



4th International MELODI Workshop,
12-14 September 2012
Hotel Presidentti, Helsinki, Finland

www.melodi2012.org

5 September 2012

MELODI-2012 Programme including satellite events

Tuesday 11 September	
Satellite event: DoReMi/MELODI Training & Education Forum	
12:00 - 13:00	Registration
DoReMi/MELODI Training & Education Forum <i>Chair: Andrea Ottolenghi and Vere Smyth</i>	
13:00 - 13:25	Welcome and introduction to the Forum <i>Andrea Ottolenghi, Vere Smyth</i>
THEME 1: EUROPEAN FRAMEWORK FOR SUPPORT OF E&T	
13:25 - 13:50	The role of MELODI in the development and implementation of E&T <i>Wolfgang Weiss</i>
13:50 - 14:40	E&T initiatives in other EURATOM platforms
14:40 - 15:00	EURATOM E&T approach for radiation protection <i>Annemarie Schmitt-Hannig</i>
15:00 - 15:30	Discussion
15:30 - 16:00	<i>Coffee break</i>
THEME 2: STRUCTURE AND INTEGRATION FOR E&T IN LOW-DOSE RESEARCH	
16:00 - 16:20	Whom should we educate and train? Future careers of MSc radiobiology students <i>Klaus Trott</i>
16:20 - 16:35	The planned new MSc course in radiation sciences in Munich <i>Michael Atkinson</i>
16:35 - 16:55	Heraeus Physics School, Germany, and EURADOS activities <i>Werner Rühm</i>
16:55 - 17:15	ECTS and ERASMUS MUNDUS
17:15 - 17:45	Discussion
17:45 - 18:00	Wind-up
18:00	End of E&T Forum

For more detailed programme of the T&E Forum, see [here](#).

16:00 - 19:30	MELODI General Assembly meeting (members only)
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MELODI-2012 Wednesday 12 September Day theme: "Low dose risk research - state of the art"	
08:00 - 09:00	Registration and poster set-up
Opening and introduction <i>Chair: Sisko Salomaa</i>	
09:00 - 09:30	Welcome address
09:30 - 10:20	MELODI activities and the Strategic Research Agenda (SRA) <i>Dietrich Aeverbeck</i>
10:20-10:30	Orientation to the Workshop and to introduction to the Response system to be used
10:30 - 11:00	Coffee break
Plenary session: Epidemiology <i>Chairs: Peter Jacob and Anssi Auvinen</i>	
11:00 - 11:30	The latest update on atomic-bomb survivor studies <i>Koturo Ozasa</i>
11:30 - 12:00	Epidemiological studies on natural radiation and cancer risk <i>Richard Wakeford</i>
12:00 - 12:30	Review of radiation-exposed cohorts potentially available for molecular epidemiological studies <i>Elisabeth Cardis</i>
12:30 - 13:30	Buffet lunch
13:30 - 14:00	Radiation exposures from CT scans in childhood and subsequent risk of leukemia and brain tumours <i>Mark Pearce</i>
Plenary session: Dose uncertainties <i>Chairs: Wolfgang Weiss and Maarit Muikku</i>	
14:00 - 14:20	Uncertainties of risk estimates attributed to uncertainty in dosimetry <i>Liz Ainsbury</i>
14:20 - 14:40	Uncertainties in internal dose assessment <i>Matthew Puncher</i>
14:40 - 15:00	Uncertainties related to the microdosimetry of internal emitters <i>Imre Balásházy</i>
15:00 - 15:30	Coffee break
Plenary session: Radiation protection issues <i>Chair: Wolfgang Weiss and Maarit Muikku</i>	
15:30 - 16:00	Implications of cardiovascular disease risk for radiation protection? <i>Peter Jacob</i>



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Breakout session 1: Discussing the SRA / State-of-the-art of science 16:00 – 18:00		
Group A: Epidemiological approaches <i>Moderator: Anssi Auvinen</i> <i>Rapporteur: Andrzej Wojcik</i>	Group B: Cancer mechanisms and models <i>Moderator: Kevin Prise</i> <i>Rapporteur: Michael Atkinson</i>	Group C: Infrastructures and knowledge management <i>Moderator: Laure Sabatier</i> <i>Rapporteur: Bernd Grosche</i>

18:00 – 19:00	<i>Break and Self-arranged travel to Helsinki City Hall</i>
19:00 – 20:30	<i>Reception at Helsinki City Hall</i>

MELODI-2012 Thursday 13 September	
Day theme: “Emerging scientific challenges”	
Plenary session: Epigenetics and Systems Biology <i>Chairs: Mats Harms-Ringdahl and Virpi Launonen</i>	
09:00 – 09:30	Epigenetic changes after radiation exposure <i>Olga Kovalchuk</i>
09:30 – 10:00	Epigenetic events and radiation exposure: Impacts on radiation risk estimation <i>Ranjit Chakraborty</i>
10:00 – 10:30	Modelling the responses of populations of cancer cells to therapeutic radiation exposure <i>David Fell</i>
10:30 – 11:00	<i>Coffee break</i>
Plenary session: Biomarkers <i>Chairs: Michael Atkinson and Carita Lindholm</i>	
11:00 – 11:30	Molecular markers in radiation-induced thyroid cancer <i>Horst Zitzelsberger</i>
11:30 – 12:00	Review of biomarkers that could be used for molecular epidemiological studies in radiation-exposed cohorts <i>Eileen Pernot</i>
12:00 – 12:30	Finding genetic susceptibility to radiation effects: Will GWA studies help? <i>Alice Sigurdson</i>
12:30 – 13:30	<i>Buffet lunch</i>
Plenary lecture: Stem cells <i>Chairs: Simon Bouffler and Eeva Salminen</i>	
13:30 – 14:00	Effects of low-dose ionizing radiation on stem cells <i>Guido Hildebrand</i>
Reports from break-out session 1 (each 15 min + 5 min for discussion) <i>Chairs: Simon Bouffler and Eeva Salminen</i>	
14:00 – 14:20	Group A: Epidemiological approaches: <i>Andrzej Wojcik</i>



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14:20 – 14:40	Group B: Cancer mechanisms and models: <i>Michael Atkinson</i>	
14:40 – 15:00	Group C: Infrastructure and knowledge management: <i>Bernd Grosche</i>	
15:00 – 16:00	Coffee break and poster viewing	
Breakout session 2: Roadmap for research 16 - 18		
Group A: Biomarkers and biobanks <i>Moderator: Sarah Baatout</i> <i>Rapporteur: Ulrike Kulka</i>	Group B: Non-cancer effects <i>Moderator: Jean-René Jourdain</i> <i>Rapporteur: Eeva Salminen</i>	Group C: Low dose dosimetry and dose concept <i>Moderator: Hans Rabus</i> <i>Rapporteur: Eric Blanchardon</i>
18:00 – 20:00	DoReMi MB-EAB meeting (members only)	

MELODI-2012 Friday 14 September	
Day theme: “Integrating the research”	
Reports from breakout session 2 and T&E Forum (15 min + 5 min for discussion) <i>Chairs: Sisko Salomaa and Bernd Grosche</i>	
08:30 – 08:50	Group A: Biomarkers and biobanks <i>Ulrike Kulka</i>
08:50 – 09:10	Group B: Non-cancer effects <i>Eeva Salminen</i>
09:10 – 09:30	Group C: Low dose dosimetry and dose concept <i>Eric Blanchardon</i>
09:30 – 09:50	Report from T&E Forum (11 September) <i>Andrea Ottolenghi and Vere Smyth</i>
MELODI Award Ceremony	
09:50 – 10:10	MELODI Award speech: Integrative Radiation Biology Kristian Unger
Highlights of Euratom projects <i>Chairs: To be confirmed</i>	
10:10 – 10:20	CEREBRAD: Cognitive and cerebrovascular effects induced by low dose ionising radiation <i>Rafi Benotmane</i>
10:20 – 10:30	SOLO: Highlights of progress to date <i>Richard Haylock</i>



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10:30 - 11:00	Coffee break
11:00 - 11:10	DoReMi: Radiation induced premature senescence in endothelial cells, a system biology approach <i>Mats Harms-Ringdahl</i>
11:10 - 11:20	The SEDENTEXCT project on dental cone beam computed tomography: outcomes and impact <i>Christie Theodorakou</i>
11:20 - 11:30	ALLEGRO to ANDANTE: An application of radiotherapy data to low-dose radiation research <i>Andrea Ottolenghi</i>
11:30 - 11:40	EpiRadBio: Colon cancer risk among a-bomb survivors from multi-model inference with descriptive and mechanistic models <i>Christian Kaiser</i>
11:40 - 11:50	From CARDIORISK to PROCARDIO <i>Klaus Trott</i>
Closing session <i>Chairs: Wolfgang Weiss and Sisko Salomaa</i>	
12:00 - 12:30	Workshop Summary <i>Wolfgang Weiss</i> Discussion
12:30	End of Workshop

12:30 - 13:30	Lunch for Training event and STORE participants
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Satellite event: Training event by MELODI and Finnish Doctoral Programme in Environmental Health	
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UNSCEAR, BEIR VII and ICRP risk models and new developments <i>Chairs: Peter Jacob and Anssi Auvinen</i>	
13:30 - 14:00	Radiation risk models for breast cancer <i>Markus Eidemüller</i>
14:00 - 14:30	Estimation of radiation risk of lung cancer <i>Koturo Ozasa</i>
14:30 - 15:00	Risk models for radiation-induced leukaemia <i>Richard Wakeford</i>
15:00 - 15:30	Questions and Discussion
15:30	End of Training Event

13.30 - 19.00	STORE final meeting (members only)
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