

**ALLIANCE Workshop on
Epigenetic factors and long-term effects of ionising radiation on organisms
(4th – 6th April 2018, Paris, Fontenay-aux-Roses, France)**

Program

Wednesday April 4th 2018

14:00-14:15	Christelle Adam, Nick Beresford and Nele Horemans	General introduction and objectives of the workshop
14:15-14:45	Nele Horemans	Position paper: Point of view from ALLIANCE
14:45-15:15	Sisko Salomaa	Epigenetic cross-cutting issues vs MELODI
Session 1	<i>Risk assessment and epigenetics</i>	
15:15-15:45	Carlos Barata	Overview of OECD multigenerational tests and potential value to detect epigenetic effects
15:45-16:00	<i>Coffee break</i>	
16:00-16:30	Jana Asselman	Epigenetic in risk assessment: lessons learned and future research directions
16:30-17:00	Ionna Katsiadaki	Opportunities and challenges for assessing chemically-induced epigenetic changes in zebrafish regulatory tests
Session 2	<i>Observations of epigenetic modifications in exposed organisms</i>	
17:00-17:30	Etienne Bucher	Genetic and epigenetic tools to study adaptation of plant populations to environmental changes

Thursday April 5th 2018

Session 2	<i>Observations of epigenetic modifications in exposed organisms</i>	
9:00-9:30	Peter Kille	Epigenetic changes induced by metals in invertebrates
9:30-10:00	Eline Saenen	Epigenetic changes in plants
10:00-10:30	Rémi Guedon	Epigenetic changes in nematodes
10:30-11:00	Christelle Adam	Genetic and epigenetic changes in frogs impacted by the Fukushima accident
11:00-11:15	<i>Coffee break</i>	
11:15-12:45	Breakout sessions	Two parallel sessions
12:45-14:15	<i>Lunch</i>	
Session 3	<i>Epigenetic and genetic mechanisms</i>	
14:15-14:45	Christophe Grunau	A systems biology view on genetic and epigenetic inheritance and its relationship to environmental cues and selection
14:45-15:15	Jean-Luc Ravanat	Recent advances in epigenetic DNA modifications
Session 4	<i>Epigenetics and transgenerational effects</i>	
15:15-15:45	Jorke Kamstra	Zebrafish as a model to assess transgenerational effects of ionising radiation via epigenetic mechanisms
15:45-16:00	<i>Coffee break</i>	
16:00-16:30	Frederic Alonzo	Transgenerational DNA methylation changes in daphnids exposed to gamma irradiation
16:30-16:45	Christine Fassert	View from HSS
	<i>Dinner</i>	

Friday April 6th 2018

Session 4	<i>Epigenetics and transgenerational effects</i>	
09:00-9:30	David Coplestone	Long-term effects on wild organisms of the Chernobyl exclusion zone (lessons learned from COMET/TREE)
09:30-10:00	Jess Goodman	The effects of low dose chronic radiation on <i>Daphnia pulex</i> : life history and epigenetics studies
10:00-10:15	<i>Coffee break</i>	
10:15-11:45	Break out sessions	Two parallel sessions
11:45-12:00	David Coplestone and Jacqueline Garnier-Laplace	View from the ICPR : might epigenetics have a practical implication?
12:00-12:15	Geert Biermans	View from a regulator
12:15-12:30	Nele Horemans, Nick Beresford, Christelle Adam	Wrap up and recommendation to the NFRP-8
12:30	<i>Lunch</i>	