

**ALLIANCE Workshop on Epigenetic factors and long-term effects of ionizing radiation on organisms
(Paris, Fontenay-aux-Roses)**

Preliminary program (March 19th 2018)

Wednesday April 4th 2018

14:00-14:15	Christelle Adam, Nick Beresford, 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	To be confirmed	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
15:45-16:15	Jana Asselman	Epigenetic in risk assessment: lessons learned and future research directions
16:15-16:45	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>	
16:45-17:15	Etienne Bucher	Genetic and epigenetic tools to study adaptation of plant populations to environmental changes

Thursday April 5th 2018

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	Coffee break	
11:15-12:45	Break out sessions	Two parallel sessions
12:45-14:15	Lunch	
<i>Session 3</i>	<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
<i>Session</i>	<i>Epigenetics and transgenerational effects</i>	
15:15-15:45	Jorke Kamstra	Zebrafish as a model to assess transgenerational effects of ionizing radiation via epigenetic mechanisms
15:45-16:15	Frederic Alonzo	Transgenerational DNA methylation changes in daphnids exposed to gamma irradiation
	Dinner	
Friday April 6th 2018		
09:00-9:30	Nick Beresford	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
10:00-11:30	Break out sessions	Two parallel sessions
11:30-11:45	David Copplestone and Jacqueline Garnier-Laplace	View from the ICPR : might epigenetics have a practical implication?
11:45-12:00	Geert Biermans	View from a regulator
12:00-12:15	Christine Fassert	View from HSS

12:15-12:30	Nele Horemans, Nick Beresford, Christelle Adam	Wrap up and recommendation to the NFRP-8
12:30	Lunch	