LIST OF EGM's FLASH TALKS FOR SC/59

Date	Branch	Name of SC members
7 Dec. 2022	EGM = Epigenomics and Mechanisms	Walter BERGER; Luis Felipe Ribeiro PINTO; Satish GOPAL

Branch	Flash talk title	Name of presenter	E-mail address of the presenter	If applicable, cross-branch structure / interdisciplinary interactions (list other Branches)	Take away message
EGM	Overview of EGM activities	Zdenko Herceg	hercegz@iarc.who.int	N/A	N/A
EGM 1	Searching for Origins of Childhood Cancer: Mapping "Molecular Diary" of Nature and Nurture	Akram Ghantous	ghantousa@iarc.fr	ENV, CSU	Our multi-centric and multi-disciplinary study provides evidence that epigenetic profiles in neonatal samples may reveal specific changes and deregulated pathways associated with in utero exposures (thus providing mechanistic clues to causation) and offer powerful biomarkers of exposure and cancer risk.
EGM 2	Cutaneous and acral melanoma cross-OMICs reveals prognostic cancer drivers associated with pathobiology and ultraviolet exposure	Anna Luiza Vicente	annaluizaalmeida@hotmail.com	EPR	Our multi-omics mapping of cutaneous and acral melanoma patients revealed prognostic cancer drivers and mechanisms underlying etiological and clinical differences between melanomas and uncovers translationally impactful biomarkers for prevention and therapy.
EGM 3	Toxicogenomic analysis of mycotoxins as candidate carcinogens	Michael Korenjak	korenjakm@iarc.fr zavadilj@iarc.fr	NME	The study shows the association of common dietary mycotoxins with different cancer types, such as colorectal and liver cancer. Toxicogenomic analyses reveal potential mechanisms underlying the mycotoxins' contribution to cell transformation and carcinogenesis, including direct DNA adduction, DNA damage through induction of oxidative 34stress and alteration of gene expression networks.
EGM 4	Laboratory tools for epidemiological studies on virus-induced cancers	Tarik Gheit	gheitt@iarc.fr	EPR, GEM, ENV	Due to its high throughput, flexibility and robustness, the platform is used to conduct epidemiological studies aimed at determining the prevalence of infectious agents, and evaluate their potential role in human disease. In addition, the high sensitivity of our Luminex-based assays allows the identification of

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					viral and host biomarkers in body fluids, e.g., urine and blood, offering the possibility to use affordable and non-invasive procedures in epidemiological studies as well as in clinical routine setting.
EGM 5	Epidriver Project: Revealing epigenetic drivers (Epidrivers) of cancers and their link to environmental exposures	Rita Khoueiry	khoueiryr@iarc.fr	GEM	This study is the largest and most comprehensive analysis of the cancer-associated disruption of epigenetic regulator genes (epidrivers) and the first experimental effort to specifically identify epidrivers in oncogenic processes. This conceptual framework is currently exploited to investigate epidrivers' function and related regulatory pathways in tumorigenesis and their link to environmental carcinogens.

For information: list of other Branches

Date	**Branch**	**Name of SC members**
6 Dec. 2022	CSU = Cancer Surveillance	Ferrán CATALÁ LÓPEZ; Manami INOUE; Valery LEMMENS
6 Dec. 2022	ESC = Evidence Synthesis and Classification	Mathilde TOUVIER *[unable to attend unless a conflicting meeting becomes virtual]*; Ravi MEHROTRA; Einas Abudlaziz Eid AL KUWARI
7 Dec. 2022	GEM = Genomic Epidemiology	William GALLAGHER; Jong Bae PARK; Gunilla ENBLAD
7 Dec. 2022	LSB = Laboratory Support, Biobanking and Services	Péter NAGY; Sergey A. IVANOV
8 Dec. 2022	ENV = Environment and Lifestyle Epidemiology	Jeanette FALCK WINTHER; Pietro PICHIERRI; Ben SPYCHER
8 Dec. 2022	EPR = Early Detection, Prevention and Infections	Louisa GORDON; Marc ARBYN; Kalipso CHALKIDOU
8 Dec. 2022	LCB = Learning and Capacity Building	Jie HE; Karima BENDAHHOU; Sirpa HEINÄVAARA
23–27 Jan. 2023	*NME (Review)*	*Tone Bjørge + Ulrike Haug + Marie-Elise Parent + 3 external experts*