"Genomic Imprinting in Development and Disease"
November 9-11, 2015
Aula Magna - Congress Center
Via Partenope 36 - Naples, Italy

Mo, Nov 9th	**12.00-14.00**	**Lunch**		
	14.00	Welcome	Andrea Riccio, Giovanna Grimaldi, Maria Vittoria Cubellis (Naples, IT)	
		Session	**Chair**	**Speaker**
	14.15-19.00	**I: DNA methylation reprogramming and chromatin mechanisms in development and disease**	Lucia Altucci (Naples/IT); Barbara Majello (Naples/IT)	
	14.15-14.45	Transcription and chromatin mechanisms determining the oocyte DNA methylome		Gavin Kelsey (Cambridge/UK)
	14.45-15.00	Histone Modifiers Maintain Fidelity of de novo DNA Methylation in Growing Oocytes		Jiahao Huang (Cambridge/UK)
	15.00-15.15	Molecular mechanisms regulating DNA methylation dynamics in naïve and primed ESCs		Mario Iurlaro (Cambridge/UK)
	15.15-15.45	Assembly of the chromatin fibers can dictate the cellular state		Maria Pia Cosma (Barcelona/ES)
	15.45-16.15	**Break**		
	16.15-16.45	KRAB'n'KAP, from the intergenerational transmission of epigenetic memory to the impermanence of transposon silencing		Didier Trono (Lausanne/CH)
	16.45-17.15	ZFP57 links genomic imprinting to NOTCH signaling		Xianjun Li (New York/USA)
	17.15-17.30	The KRAB-ZFP/KAP1 system preserves epigenetic memory in		Andrea Coluccio (Lausanne/CH)

		embryonic stem cells		
	17.30-17.45	ZFP57-mediated epigenetic control at imprinted and non imprinted loci in mouse embryonic stem cells		Harpreet Kukreja (Naples/IT)
	18.00-18.15	Dynamics of the ZFP57/KAP1 and associated factors network at DNA methylated targets in murine pluripotent ES cells		Shraddha Lad (Naples/IT)
	18.15-18.45	Role of chromatin-associated proteins in transcription and cancer		Kristian Helin (Copenhagen/DK)
	18.45-19.00	Jmjd2a regulates female fertility through hormone signaling		Aditya Sankar (Copenhagen/DK)
	19.00-20.00	Baroque Music Concert by the "Baroque Ensemble of Naples"		
	20.00-	Welcome Dinner at the Congress Center		
Tu, Nov 10th	**8.30-12.45**	**II: Control and Function of Imprinted Genes**	Zeynep Tumer (Copenhagen/DK); Gabriella Minchiotti (Naples/IT)	
	8.30-9.00	Differential genomic imprinting regulates paracrine and autocrine roles of IGF2 in adult neurogenesis		Anne Ferguson-Smith (Cambridge/UK)
	9.00-9.30	Regulation of imprinting at the H19/Igf2 locus		Marisa S. Bartolomei (Philadelphia/USA)
	9.30-10.00	Imprinting control regions (ICRs) are marked by mono-allelic bivalent chromatin when transcriptionally inactive		Philippe Arnaud (Clermont-Ferrand/FR)
	10.00-10.30	A mammalian-specific cell stress stem cell regulator: from stem cells to body homeostasis		David Sassoon (Paris/FR)
	10.30-11.00	**Break**		
	11.00-11.15	The imprinted gene Pw1/Peg3 regulates muscle stem cell behavior		Rosa Maria Correra (Paris/FR)

	11.15-11.30	Regulation of mono-allelic gene expression at the imprinted Dlk1-Dio3 domain		Ildem Sanli (Montpellier/FR)
	11.30-11.45	The imprinted gene *Dlk1* is expressed from both parental alleles, and regulates myo- and adipogenesis, in skeletal muscle regeneration		Bjorn Adalsteinsson (Cambridge/UK)
	11.45-12.15	Conceptus-derived Delta-like homologue-1 (DLK1) is required for maternal metabolic adaptations to pregnancy		Marika Charalambous (London/UK)
	12.15-12.30	Potential role of Wnt/β-catenin signaling pathway in the regulation of imprinted genes		Ilda Theka (Barcelona, ES)
	12.30-12.45	Parent-of-origin dependent expression of imprinted genes in cerebral cortex is mostly conserved in cortical cells generated from mouse embryonic stem cells		Tristan Bouschet (Montpellier/FR)
	12.45-13.45	**Lunch**		
	13.45-14.30	**INGENIUM network meeting**		
	14.30-15.30	**Poster Session**		
	15.30-17.45	**III: Imprinting and Disease**	Eamonn R. Maher (Cambridge/UK); Guiomar de Nancleres (Vitoria-Gasteiz/ES)	
	15.30-16.00	Silver–Russell Syndrome: a model of imprinting disorder – from epigenotype to phenotype and treatment in 2015		Irene Netchine (Paris/FR)
	16.00-16.30	Mutations causing epimutations in imprinting disorders		Deborah Mackay (Southampton/UK)
	16.15-16.45	**Break**		
	16.45-17.15	Genomic imprinting in the clinic		Eamonn R. Maher/Benoit Lan-

				Leung (Cambridge/UK)
	17.15-17.30	Insights into Multilocus Methylation Defects investigated by whole genome methylation analysis in a large cohort of ICR2 epimutated BWS patients.		Silvia Russo (Milan/IT)
	17.30-17.45	Genomic and epigenomic investigations of patients with growth restriction and *DLK1/GTL2* hypomethylation		Waleed Habib (Paris/FR)
	17.45-19.00	COST MC meeting		
	20.30	Gala Dinner at Palazzo San Teodoro		
We, Nov 11th	**8.30-12.30**	**IV: COST BM1208 session on Congenital Imprinting Disorders**	Thomas Eggermann (Aachen/D); Giovanna Mantovani (Milan/IT)	
	8.30-9.00	NLRP7 and maternal germline methylation in humans		Dave Monk (Barcelona/ES)
	9.00-9.30	Imprinted genes in early pregnancy failure		Gudrun Moore (London/UK)
	9.30-10.00	Imprinting defects in Prader-Willi and Angelman syndromes		Karin Buiting (Essen/DE)
	10.00-10.15	A novel (epi)genotype-specific and histotype-targeted tumor surveillance protocol in Beckwith-Wiedemann Syndrome based on cancer data meta-analysis		Giovanni Battista Ferrero (Turin/IT)
	10.15-10.30	14q32 DELETIONS IN TEMPLE SYNDROME: genotype-phenotype correlations and risk of thyroid cancer		Claudio Graziano (Bologna/IT)
	10.30-11.00	**Break**		
	11.00-11.30	Pseudohypoparathyroidism 1B: GNAS defects and their clinical implications		Agnés Linglart (Paris/FR)

	11.30-11.45	The prevalence of GNAS-related diseases in a large cohort of patients characterized by 3 referring centers of the EuroPHP network.		Valentina Boldrin (Milan, IT)
	11.45-12.15	Diagnosing human imprinting disorders – a clinical view point		I. Karen Temple (Southampton/UK)
	12.15-12.30	Closing Remarks	Thomas Eggermann	
	12.30-13.30	**Lunch**		