

1. Record Nr.	UNINA9910701918003321
Titolo	The effect of faster engine response on the lateral directional control of a damaged aircraft [[electronic resource] /] / Ryan D. May ... [and others]
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2012]
Descrizione fisica	1 online resource (13 pages) : illustrations (some color)
Collana	NASA/TM ; ; 2012-217216
Altri autori (Persone)	MayRyan D
Soggetti	Commercial aircraft Flight control Lateral control Directional control Damage assessment Engine tests Aircraft maneuvers Acceleration (physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Mar. 19, 2012). "March 2012." "Prepared for the Guidance, Navigation, and Control Conference sponsored by the American Institute of Aeronautics and Astronautics, Portland, Oregon, August 8-11, 2011." "AIAA-2011-6307."
Nota di bibliografia	Includes bibliographical references (pages 12-13).

2. Record Nr.	UNINA9910350350303321
Titolo	Clinical Epigenetics // edited by Luke B. Hesson, Antonia L. Pritchard
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-8958-6
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XI, 265 p. 34 illus., 8 illus. in color.)
Disciplina	611.01816
Soggetti	Gene expression Medical genetics Gene therapy Cytogenetics Molecular biology Gene Expression Gene Function Gene Therapy Molecular Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Genetics and epigenetics: a Historical Overview -- The DNA methylation machinery -- Methylcytosine and its oxidised derivatives -- The role of nucleosomes in epigenetic gene regulation -- Circular RNAs in human health and disease -- The role of histone variants in cancer -- DNA methylation and carcinogenesis: Current and future perspectives -- Dysregulation of cis-regulatory elements in cancer -- Germline epigenetic testing of imprinting disorders in a diagnostic setting -- Cancer methylation biomarkers in circulating cell-free DNA -- The clinical utility of epigenetics.
Sommario/riassunto	In genetic pathology, epigenetic testing is rare and under utilised. In this book, we introduce epigenetics to a non-expert scientific audience and describe current and future clinical utility of epigenetic testing. By focussing on epigenetics in human disease this book will guide professionals (scientists and clinicians) to understand how epigenetics is relevant in a clinical context, and to implement epigenetic testing in

diagnostic laboratories. The book begins with a historical perspective of genetics and epigenetics and describes the work of pioneers who have helped shape these fields. The various mechanisms by which epigenetics can regulate the function of the genome is described. These include DNA methylation, histone modifications, histone variants, nucleosome positioning, cis-regulatory elements, non-coding RNAs and the three-dimensional organisation of chromatin in the nucleus. These are discussed in the context of embryological development, cancer and imprinting disorders, and include examples of epigenetic changes that can be used in diagnosis, prediction of therapeutic response, prognostication or disease monitoring. Finally, for those wishing to implement epigenetic testing in a diagnostic setting, the book includes a case study that illustrates the clinical utility of epigenetic testing.

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