

Elena Raimondi: pubblicazioni su riviste internazionali

1. Nergadze SG, Piras FM, Gamba R, Corbo M, Cerutti F, McCarter JGW, Cappelletti E, Gozzo F, Harman RM, Antczak DF, Miller D, Scharfe M, Pavesi G, **Raimondi E***, Sullivan KF, Giulotto E (2018) Birth, evolution, and transmission of satellite-free mammalian centromeric domains. *Genome Res.* 28: 789-799. ***co-corresponding author**
2. Giulotto E, **Raimondi E**, Sullivan KF (2017) The Unique DNA Sequences Underlying Equine Centromeres. *Prog Mol Subcell Biol* 56: 337-354.
3. Cerutti F, Gamba R, Mazzagatti A, Piras FM, Cappelletti E, Belloni E, Nergadze SG, **Raimondi E***, Giulotto E (2016) The major horse satellite DNA family is associated with centromere competence. *Mol Cytogenet* 9: 35 (8 pages). ***co-corresponding author**
4. Santagostino M, Khoraiuli L, Gamba R, Bonuglia M, Klipstein O, Piras FM, Vella F, Russo A, Badiale C, Mazzagatti A, **Raimondi E**, Nergadze SG, Giulotto E (2015) Genome-wide evolutionary and functional analysis of the Equine Repetitive Element 1: an insertion in the myostatin promoter affects gene expression. *BMC Genet* 16: 126 (16 pages).
5. Purgato S, Belloni E, Piras FM, Zoli M, Badiale C, Cerutti F, Mazzagatti A, Perini G, Della Valle G, Nergadze SG, Sullivan KF, **Raimondi E***, Rocchi M, Giulotto E (2015) Centromere sliding on a mammalian chromosome. *Chromosoma* 124: 277-287. Epub 2014 Nov 21. Erratum in: *Chromosoma*. 2015 124: 289. ***co-corresponding author**
6. Nergadze SG, Belloni E, Piras FM, Khoraiuli L, Mazzagatti A, Vella F, Bensi M, Vitelli V, Giulotto E, **Raimondi E** (2014) Discovery and comparative analysis of a novel satellite, EC137, in horses and other equids. *Cytogenet Genome Res* 144: 114-123. Epub 2014 Oct 21.
7. Marotta R, Crottini A, **Raimondi E**, Fondello C, Ferraguti M (2014) Alike but different: the evolution of the *Tubifex tubifex* species complex (Annelida, Clitellata) through polyploidization. *BMC Evol Biol* 14: 73 (14 pp).
8. Donà M, Confalonieri M, Minio A, Biggiogera M, Buttafava A, **Raimondi E**, Delledonne M, Ventura L, Sabatini ME, Macovei A, Giraffa G, Carbonera D, Balestrazzi A (2013) RNA-Seq analysis discloses early senescence and nucleolar dysfunction triggered by Tdp1 α depletion in *Medicago truncatula*. *J Exp Bot.* 64: 1941-1951. Epub 2013 Mar 6.
9. Balestrazzi A, Agoni V, Tava A, Avato P, Biazzi E, **Raimondi E**, Macovei A, Carbonera D (2011) Cell death induction and nitric oxide biosynthesis in white poplar (*Populus alba* L.) suspension cultures exposed to alfalfa saponins. *Physiologia Plantarum* 141: 227-238.
10. Balestrazzi A, Macovei A, Tava A, Avato P, **Raimondi E**, Carbonera D (2011) Unraveling the response of plant cells to cytotoxic saponins: role of metallothionein and nitric oxide. *Plant Signaling & Behavior* 6: 1-4.
11. **Raimondi E**, Piras FM, Nergadze SG, Di Meo GP, Ruiz-Herrera A, Ponsà M, Ianuzzi L, Giulotto E (2011) Polymorphic organization of constitutive heterochromatin in *Equus asinus* (2n=62) chromosome 1. *Hereditas* 148: 110-113.
12. **Raimondi E** (2011) Naturally occurring minichromosome platforms in chromosome engineering: an overview. *Methods in Molecular Biology* 738: 41-56.
13. Piras FM, Nergadze SG, Magnani E, Bertoni L, Attolini C, Khoraiuli L, **Raimondi E**, Giulotto E (2010) Uncoupling of satellite DNA and centromeric function in the genus *Equus*. *PLoS Genetics* 6: e1000845.
14. Balestrazzi A, Macovei A, Testoni C, **Raimondi E**, Donà M, Carbonera D (2009) Nitric oxide biosynthesis in white poplar (*Populus alba* L.) suspension cultures challenged with heavy metals. *Plant Stress* 3: 1-6.
15. Piras FM, Nergadze SG, Poletto V, Cerutti F, Ryder OA, Leeb T, **Raimondi E**, Giulotto E (2009) Phylogeny of horse chromosome 5q in the genus *Equus* and centromere repositioning. *Cytogenetic And Genome Research* 126: 165-172.
16. Paulis M, Bensi M, Orioli D, Mondello C, Mazzini G, Dincalci M, Falcioni C, Radaelli E, Erba E, **Raimondi E**, De Carli L (2007) Transfer of a human chromosomal vector from a

hamster cell line to a mouse embryonic stem cell line. *Stem Cells* 25: 2254-2550.

17. **Uboldi C, Paulis M, Guidi E, Bertoni A, Di Meo GP, Perucatti A, Iannuzzi L, Raimondi E, Brunner RM, Eggen A, Ferretti L (2006)** Cloning of the bovine prion-like Shadoo (SPRN) gene by comparative analysis of the predicted genomic locus. *Mammalian Genome* 17: 1130-1139.
18. **Paulis M, Bensi M, Moralli D, De Carli L, Raimondi E (2006)** A set of duplicons on human chromosome 9 is involved in the origin of a supernumerary marker chromosome. *Genomics* 87: 747-757.
19. **Torti C, Gomulski L, Bonizzoni M, Murelli V, Moralli D, Guglielmino C, Raimondi E, Crisafulli D, Capy P, Gasperi G, Malacrida A (2005)** Cchobo, a hobo-related sequence in *Ceratitis capitata*. *Genetica* 123: 313-325.
20. **Uboldi C, Del Vecchio I, Foti MG, Azzalin A, Paulis M, Raimondi E, Vaccari G, Agrimi U, Di Guardo G, Comincini S, Ferretti L (2005)** Prion-like Doppel gene (PRND) in the goat: genomic structure, cDNA and polymorphisms. *Mammalian Genome* 16: 963-971.
21. **Paulis M, Moralli D, Bensi M, De Carli L, Raimondi E (2004)** Isolation from the horse genome of a new DNA transposon belonging to the Tigger family. *Mammalian Genome* 15: 399-403.
22. **Nano R, Invernizzi R, Facchetti A, Raimondi E, Moralli D, Gerzeli G (2003)** Quantification of the DHFR gene in blast cells of leukaemia patients by fluorescence *in situ* hybridisation. *Anticancer Research* 23: 3883-3888.
23. **Paulis M, Moralli D, Bensi M, De Carli L, Raimondi E (2003)** Identification of human pericentromeric DNA sequences promoting chromosome rearrangements. *Annales De Genetique* 46: 340.
24. **Invernizzi R, Nano R, Facchetti A, Raimondi E, Travaglino E, Moralli D (2002)** Analysis of the dihydrofolate reductase gene in blast cells of patients with acute leukemia by fluorescence *in situ* hybridization. *Haematologica* 87: 61-62.
25. **Denegri M, Moralli D, Rocchi M, Biggiogera M, Raimondi E, Cobianchi F, De Carli L, Riva S, Biamonti G (2002)** Human chromosomes 9, 12, and 15 contain the nucleation sites of stress-induced nuclear bodies. *Molecular Biology of The Cell* 13: 2069-2079.
26. **Moralli D, Vagnarelli P, Bensi M, De Carli L, Raimondi E (2001)** Insertion of a loxP site in a size-reduced human accessory chromosome. *Cytogenetics And Cell Genetics* 94: 113-120.
27. **Gomulski LM, Torti C, Bonizzoni M, Moralli D, Raimondi E, Capy P, Gasperi G, Malacrida AR (2001)** A new basal subfamily of mariner elements in *Ceratitis rosa* and other tephritid flies. *Journal of Molecular Evolution* 53: 597-606.
28. **Torti C, Gomulski LM, Moralli D, Raimondi E, Robertson HM, Capy P, Gasperi G, Malacrida AR (2000)** Evolution of different subfamilies of mariner elements within the medfly genome inferred from abundance and chromosomal distribution. *Chromosoma* 108: 523-532.
29. **Faravelli M, Moralli D, Bertoni L, Attolini C, Chernova O, Raimondi E, Giulotto E (1998)** Two extended arrays of a satellite DNA sequence at the centromere and at the short arm telomere of Chinese hamster chromosome 5. *Cytogenetics And Cell Genetics* 83: 281-286.
30. **Vagnarelli P., Raimondi E., Castagna S., Fiori S., De Carli L (1997)** Gene transfection in mammalian cells: an evaluation of the potential mutagenic effects. *Mutation Research* 379: S57-S57.
31. **Raimondi E., Balzaretto M., Moralli D., Vagnarelli P., Tredici F., Bensi M., De Carli L (1996)** Gene targeting to the centromeric DNA of a human minichromosome. *Human Gene Therapy* 7: 1103-1109.
32. **Raimondi E., Romanelli M.G., Moralli D., Gamberi C., Russo M.P., Morandi C (1995)** Assignment of a human gene encoding heterogeneous nuclear ribonucleoprotein 1 (ptb) to

chromosome 14q23-q24.1. *Genomics* 27: 553-555.

33. **Raimondi E, Moralli D, Vagnarelli P, Balzaretto M, De Carli L (1995)** Human minichromosomes as potential vectors for gene therapy. *Journal of Experimental & Clinical Cancer Research* 14: 207-209.
34. **Vagnarelli P, Raimondi E, Coelli C, Fattorini P, Dorigo E, De Carli L (1995)** DNA fingerprint analysis for the detection of induced mutations in mammalian cells in culture. *Cytotechnology* 19: 137-142.
35. **Ottone F, Raimondi E, Rocchi M, Giussani F, Malcovati M, Tenchini ML (1995)** Refined localization of human peroxisomal 3-oxoacyl-CoA thiolase (ACAA) to 3p22. *Human Heredity* 45: 75-79 Vol.
36. **Chini B, Raimondi E, Elgoyhen AB, Moralli D, Balzaretto M, Heinemann S (1994)** Molecular Cloning and Chromosomal Localization of the Human $\alpha 7$ -Nicotinic Receptor Subunit Gene (CHRNA7). *Genomics* 19: 379-381.
37. **Mazzieri R, Høyer-Hansen G, Rønne E, Løber D, Vagnarelli P, Raimondi E, De Carli L, Danø K, Mignatti P (1994)** Urokinase and urokinase receptor expression in somatic cell hybrids. *Fibrinolysis* 8: 344-352.
38. **Raimondi E, Moralli D, De Carli L, Ceratto N, Balzaretto M, Leube R, Collin C, Romano V (1994)** Assignment of the human cytokeratin 3 gene (KRT3) to 12q12-->q13 by FISH. *Cytogenetics And Cell Genetics* 66: 162-163.
39. **Patterson D, Hart I, Lai LW, Brahe C, Moscetti A, Tassone F, Raimondi E, Jones C (1993)** Molecular and cytogenetic characterization of a Chinese hamster/human hybrid cell line containing a der(21)t(Ypter-->cenY::cen21-->21qter) chromosome. *Genomics* 15: 177-179.
40. **Raimondi E, Mezzelani A, Castiglioni B, Moralli D, Rognoni G, De Carli L (1993)** Characterization of hamster-bovine somatic cell hybrids by *in situ* hybridization and chromosome banding. *Hereditas* 118: 191-194.
41. **Raimondi E, Rubboli F, Moralli D, Chini B, Fornasari D, Tarroni P, De Carli L, Clementi F (1992)** Chromosomal localization and physical linkage of the genes encoding the human alpha 3, alpha 5, and beta 4 neuronal nicotinic receptor subunits. *Genomics* 12: 849-850.
42. **Casati A, Giorgi R, Lanza A, Raimondi E, Vagnarelli P, Mondello C, Ghetti P, Piazzini G., Nuzzo F (1992)** Trisomy 21 mosaicism in two subjects from two generations. *Annales De Genetique* 35: 245-250.
43. **Vagnarelli P, Raimondi E, Mazzieri R, De Carli L, Mignatti P (1992)** Assignment of the human urokinase receptor gene (PLAUR) to 19q13. *Cytogenetics And Cell Genetics* 60: 197-199.
44. **Romano V, Raimondi E, Bosco P, Feo S, Di Pietro C, Leube RE, Troyanovsky SM, Ceratto N (1992)** Chromosomal mapping of human cytokeratin 13 gene (KRT13). *Genomics* 14: 495-497.
45. **Raimondi E, Gaudi S, Moralli D, De Carli L, Malcovati M, Simonic T, Tenchini ML (1992)** Assignment of the human connexin 32 gene (GJB1) to band Xq13. *Cytogenetics And Cell Genetics* 60: 210-211.
46. **Ferretti L, Raimondi E, Gamberi C, Young BD, De Carli L, Sgaramella V (1991)** Molecular Cloning of DNA from a sorted human minichromosome. *Gene* 99: 229-234.
47. **Brahe C, Raimondi E, Zappata S, Moralli D, Moscetti A, De Carli L, Serra A (1991)** Identification and mapping of markers within and around the centromeric region of human chromosome 9. *Cytogenetics And Cell Genetics* 58: 1934-1935.
48. **Romano V, Bosco P, Raimondi E, Feo S, Leube R, Franke W, Ceratto N (1991)** Chromosomal mapping and physical linkage analysis of human acidic cytocheratin genes. *Cytogenetics And Cell Genetics* 58: 2009-2010.
49. **Raimondi E, Bernasconi P, Moralli D, Fujita R, Uziel G, Di Donato S, De Carli L,**

- Pandolfo M. (1991).** Localization of DNA probes tightly linked to the Friedreich's ataxia locus by *in situ* hybridization in a case of pericentric inversion of chromosome 9. *Human Genetics* 86: 525-528.
50. **Raimondi E, Moralli D, Chini B, Tarroni P, Rubboli F, De Carli L, Clementi F (1991)** Chromosomal localization of the genes coding the human alpha 3, beta 4 and alpha 5 neuronal acetylcholine receptor subunits. *American Journal of Human Genetics* 49: 386-386.
51. **Raimondi E, Ferretti L, Young BD, Sgaramella V, De Carli L (1991)** The origin of a morphologically unidentifiable human supernumerary minichromosome traced through sorting, molecular cloning, and *in situ* hybridisation. *Journal of Medical Genetics* 28: 92-96.
52. **Raimondi E, Antonelli A, Driesel AJ, Pandolfo M (1990)** Regional localization by *in situ* hybridization of a human chromosome 9 marker tightly linked to the Friederich's ataxia locus. *Human Genetics* 85: 125-126.
53. **Redi CA, Garagna S, Della Valle G, Bottiroli G, Dell'Orto P, Viale G, Peverali FA, Raimondi E, Forejt J (1990)** Differences in the organization and chromosomal allocation of satellite DNA between the European long tailed house mice *Mus domesticus* and *Mus musculus*. *Chromosoma* 99: 11-17.
54. **Raimondi E, Lenti C, Romagnoni M, Negri R, Gambini E, Musetti L, De Carli L (1990)** Fragile-X mental retardation in a large five-generation family. A clinical and cytogenetic study. *European Neurology* 30: 32-37.
55. **Raimondi E, Vagnarelli P, Bensi M, De Carli L (1989)** Characterization of an X;X translocation by cytological analysis and *in situ* hybridization. *Cytogenetics And Cell Genetics* 50: 123-124.
56. **Raimondi E, Scariolo S, De Sario A, De Carli L (1989)** Aneuploidy assays on interphase nuclei by means of *in situ* hybridization with DNA probes. *Mutagenesis* 4: 165-169.
57. **Gerosa MA, Talarico D, Fognani C, Raimondi E, Colombatti M, Tridente G, De Carli L, Della Valle G (1989)** Overexpression of N-ras oncogene and epidermal growth factor receptor gene in human glioblastomas. *Journal of The National Cancer Institute* 81: 63-67.
58. **Torroni A, Raimondi E, Ferretti L, Daielli C, Santachiara-Benerecetti AS, De Carli L, Sgaramella V (1988)** Isolation and mapping of a polymorphic DNA sequence (DMC.34) on the chromosome 2 (D2S63). *Nucleic Acids Research* 16: 9061-9066.
59. **Bardoni B, Guioli S, Raimondi E, Heilig R, Mandel JL, Ottolenghi S, Camerino G (1988)** Isolation and characterization of a family of sequences dispersed on the human X chromosome. *Genomics* 3: 32-38.
60. **Raimondi E, Talarico D, Moro L, Rutter WJ, Della Valle G, De Carli L (1988)** Regional mapping of the human placental alkaline phosphatase gene (ALPP) to 2q37 by *in situ* hybridization. *Cytogenetics And Cell Genetics* 47: 98-99.
61. **Ferretti L, Raimondi E, Davis L, Romagnoni M, De Carli L, Sgaramella V, Young BD (1987)** Cytological analysis and sorting of a human supernumerary minichromosome. *Cytotechnology* 1: 7-12.
62. **Oberlè I, Arveiler B, Woelfin A, Camerino G, Raimondi E, Hofker M, Pearson P, Mandel JL (1987)** Genetic mapping of the Xq26-q28 region: tight linkage of *loci* in q26-27 and characterization of new markers useful for diagnostic applications. *Cytogenetics And Cell Genetics* 46: 671-671.
63. **Oberlé I, Camerino G, Wrogemann K, Arveiler B, Hanauer A, Raimondi E, Mandel JL (1987)** Multipoint genetic mapping of the Xq26-q28 region in families with fragile X mental retardation and in normal families reveals tight linkage of markers in q26-q27. *Human Genetics* 77: 60-65.
64. **Nuzzo F, Casati A, Raimondi E (1987)** Non random distribution of lesions induced by deoxyribonuclease I in human chromosomes. *Cytotechnology* 1: 19-24.
65. **Talarico D, Raimondi E, Fognani C, Gerosa MA, Gregotti S, Valle GD, De Carli L (1987)** Increased number of chromosome 7 is related to overexpression of EGF receptor gene

- in human glioblastomas. *Cytotechnology* 1: 41-46.
66. **Raimondi E, Scariolo S, Vagnarelli P, De Sario A, De Carli L (1987)** Detection of chromosome variation in interphase by *in situ* hybridization with repetitive DNA probes: potential applications to cytogenetic analysis and mutagenicity testing. *Cytotechnology* 1: 13-17.
 67. **Raimondi E, Bardoni B, Rinaldi E, Camerino G (1987)** A TaqI RFLP detecting single copy fragment (G80) from chromosome 7 p13-p15 (D7S373). *Nucleic Acids Research* 15: 7653-7653.
 68. **Ragona G, Frezza D, Fruscalzo A, Jucker R, Rossi N, Raimondi E, Barletta C, De Carli L, Calef E (1986)** Studies on host-virus genome relationship in Epstein-Barr virus immortalized lymphoblastoid cell lines. *Cell Biology International Reports* 10: 315-321.
 69. **Raimondi E, Camerino G, Romagnoni M, Negri R, Guglielmi D, Berbenni C, Lenti C, Gambini E, Musetti L, De Carli L (1986)** Studies of the fragile site Xq28 by cytogenetic analysis and polymorphic DNA markers. *Cell Biology International Reports* 10: 151.
 70. **Privitera E, Ghidoni A, Raimondi E, Rovini D, Illeni MT, Cascinelli N (1985)** Sister chromatid exchange and proliferation pattern in stimulated lymphocytes of cutaneous malignant melanoma patients. *Cancer Genetics And Cytogenetics* 15: 37-45.
 71. **Ghidoni A, Privitera E, Raimondi E, Rovini D, Illeni MT, Cascinelli N (1984)** Sister chromatid exchange in phytohemagglutinin-stimulated lymphocytes of non familial cutaneous malignant melanoma patients. *Basic Life Sciences* 29: 855-858.
 72. **Ghidoni A, Privitera E, Raimondi E, Rovini D, Illeni MT, Cascinelli N (1983)** Malignant melanoma: sister chromatid exchange analysis in three families. *Cancer Genetics And Cytogenetics* 9: 347-354.

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1. **Raimondi E, Frezza D, De Carli L, Calef E (1990)** Chromosome 1 preferentially involved in the integration of Epstein-Barr virus genome in *in vitro* immortalized human B lymphocytes. In: Frati Luigi & Stuart A. Aaronson (eds), *Pathology of Gene Expression: Serono Symposia Series - Advances in Experimental Medicine*. Raven Press, Ginevra p. 229-236.
2. **Gerosa M, Talarico D, Fognani C, Raimondi E, Colombatti M, De Carli L, Dela Valle G (1989)** Molecular diagnostic probes in human malignant brain tumors: a preliminary report. In: Gorrod J. W., Albano O., Papa S., *Molecular aspects of human diseases*. Ellis-Harwood, London p. 217-223.
3. **Della Valle G, Talarico D, Fognani C, Peverali AF, Raimondi E, De Carli L, Gerosa M (1989)** Oncogene expression in human brain tumors. In: G. Broggi, M. A. Gerosa, *Cerebral gliomas: proceedings of the International Workshop on Brain Tumors*. Excerpta Medica international congress series. Elsevier science publisher, Amsterdam p. 23-30.
4. **Gerosa MA, Rosemblum ML, Stevanoni G, Tommasi MA, Raimondi E, Nicolato A, Bricolo A (1985)** Toward medulloblastoma cell lines: preliminary report. In: M.A. Gerosa, Mark L. Rosenblum, G. Tridente, *Brain tumors biopathology and therapy*. Pergamon Press, Oxford p. 105-116.