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Si è laureata nel 1987 a Napoli, specializzata in "Citogenetica Umana" nel 1991 presso l'Università di Pavia ed ha ottenuto un dottorato di ricerca in "Patologia umana" nel 1997 presso l'Istituto di Biologia e Genetica Medica, Università di Pavia. E' stata coinvolta nel "set up" del laboratorio di citogenetica presso l'Ospedale San Raffaele di Milano, dove è stata assunta nel 1997. Nel 1999 e' tornata all'Istituto di Biologia Generale e Genetica Medica, Università di Pavia dove e' stata assunta come tecnico laureato, nel 2001 come ricercatore e nel 2002 come professore associato.

Autore di 44 articoli, tutti pubblicati dopo "peer-reviewing" su riviste internazionali. Il suo h-index è 17 (Google scholar).

Aree di ricerca:

1) Mappatura di cDNA mediante analisi FISH

2) Meccanismi molecolari all'origine di riarrangiamenti cromosomici strutturali

3) Screening di pazienti con ritardo mentale idiopatico mediante analisi FISH con specifiche sonde subtelomeriche. Successivamente, la sua attività è stata dedicata alla applicazione della tecnica array-CGH per l'identificazione di riarrangiamenti genomici in soggetti affetti da Ritardo mentale e/o malformazioni congenite multiple e per l'identificazione delle cause molecolari di disordini genomici ricorrenti e non ricorrenti.

4) Applicazione di array-CGH in tumori solidi ed identificazione di alterazioni molecolari informative sia da un punto di vista prognostico che patogenetico

5) Screening di soggetti infertili per l'identificazione di fattori genetici X-linked, coinvolti nella sterilità maschile, attraverso l'uso di una piattaforma custom ad alta risoluzione, specifica per il cromosoma X.

Pubblicazioni

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