



DIPARTIMENTO DI MEDICINA SPECIALISTICA,
DIAGNOSTICA E SPERIMENTALE

Dottorato di Ricerca in Oncologia, Ematologia e Patologia

AVVISO DI SEMINARIO

Prof. **George A. Calin**, M.D. Ph.D.

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Significance of non-coding ultraconserved genomic dark matter in cancer

Mercoledì 28 Novembre ore 16

Aula "Placitelli", Pad.25 – Policlinico S. Orsola-Malpighi



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Dr. Calin's biosketch

Dr. Calin published more than 450 papers and reviews in the last 16 years on microRNAs and other non-coding RNAs in cancer. While working in Dr. Carlo Croce's laboratory at the Kimmel Cancer Center in Philadelphia, he discovered the link between human cancers and microRNAs. He developed an independent research group at M.D. Anderson Cancer Center in Houston where he linked several new classes of non-coding RNAs, the ultraconserved genes (UCG) and the transcribed pyknons, to cancer. He cloned and functionally analyzed CCAT2, an UCG located in the most frequently amplified chromosomal region in human cancers, the 8q24-MYC amplicon, containing a SNPs abundantly reported to be linked to risk for multiple types of cancers. His main research interests are: 1) the involvement of non-coding RNAs in human diseases in general, and of microRNAs in human cancers in particular, 2) the study of familial predisposition to human cancers, 3) the development of new RNA-based therapeutic options for cancer patients, and 4) the roles of body fluids miRNAs as potential hormones and biomarkers.