PERSONAL INFORMATION

Cristina Botta

ADDRESS	Dept. of Medical Sciences – University of Torino – via Santena 7 – 10126 Torino
E-MAIL	Cristina.botta@unito.it
BIRTH	1965
NATIONALITY	Italian

POSITION

Research Technician
(Dept. of medical Sciences, University of Torino)

WORK EXPERIENCE

Since 2013	Dept.of Medical Sciences - University of Turin -Technician
2001-2013	Dept.of Biomedical Sciences & Human Oncology – University of Torino -Technician
1986-2001	Department of Genetic, Biology and Medical Chemistry, University of Torino – Research fellow
1988-1989	State Middle School for the Blind – Torino – Substitute Professor

EDUCATION AND TRAINING

1992-1996	PhD in Human Biological Science: Molecular and Cellular basis, University of Torino	
1989	Licensed to practise as Biologist, University of Torino	
1984-1988	Master's Degree in Biological Sciences, University of Torino	110/110 cum laude
1980-1984	Secondary school license of Agricultural Expert	60/60

PERSONAL SKILLS

Mother tongue	Italian
Other language	English (levels B/C)
Driving licence	B

TECHNICAL SKILLS:

Since 2014	Analyses of Methylated sequence by Pyrosequencing Sequencing analyses of tumoral DNA Nucleic Acid/Protein Databases interrogations
2001-2014	MLPA (Multiplex Ligation-dependent Probe Amplification) and related softwares analyses FISH (Fluorescence In Situ Hybridization) CISH (Chromogenic In Situ Hybridization)
1984-2001	DNA, RNA and protein analyses (PCR, Sanger Sequencing, Southern, Northern and Western blotting, Immunohistochemistry, Immunofluorescence, Recombinant protein production and purification,Transgenic mice, DNA molecular cloning, Bacterial and eukaryotic cells culture) Nucleic Acid/Protein Databases analyses

ADDITIONAL INFORMATION

Clinical Activity	Member of the University staff operating as consultant in Molecular Laboratory at the Pathology Unit of Azienda Universitario- Ospedaliera "Città della Salute e della Scienza di Torino". Main focus on molecular assays applied to molecular diagnostic and characterization of solid tumors.
Projects/Research Field	Molecular characterization of nucleic acids/proteins (Models/Solid tumors)
Research Funding	**Project "**Prognostic and predictive role of TERT promoter mutation in grade II and III meningioma" funded by Italian Ministry of Education, University.and Research (Fondi di Ricerca Locale ex-60%) 2016-2017
Memberships	Register of Biologists, Roma 2018
Courses	Course on Scientific Dissemination, Il Rasoio di Occam, Orto Botanico di Torino, 2015 English Course B1.2, Servizio Formazione, University of Torino, 2009

Publications

- Bertero L, Dalla Dea G, Osella-Abate S, Botta C, Castellano I, Morra I, Pollo B, Calatozzolo C, Patriarca S, Mantovani C, Rudà R, Tardivo V, Zenga F, Garbossa D, Papotti M, Soffietti R, Ricardi U, Cassoni P. Prognostic Characterization of Higher-Grade Meningiomas: A Histopathological Score to Predict Progression and Outcome. J Neuropathol Exp Neurol. 2019 Jan 25.
- Zoppoli G, Garuti A, Cirmena G, di Cantogno LV, Botta C, Gallo M, Ferraioli D, Carminati E, Baccini P, Curto M, Fregatti P, Isnaldi E, Lia M, Murialdo R, Friedman D, Sapino A, Ballestrero A. Her2 assessment using quantitative reverse transcriptase polymerase chain reaction reliably identifies Her2 overexpression without amplification in breast cancer cases. J Transl Med. 2017 May 1;15(1):91.
- Vranic S, Marchiò C, Castellano I, Botta C, Scalzo MS, Bender RP, Payan-Gomez C, di Cantogno LV, Gugliotta P, Tondat F, di Celle PF, Mariani S, Gatalica Z, Sapino A. Immunohistochemical and molecular profiling of histologically defined apocrine carcinomas of the breast. Hum Pathol. 2015 Sep;46(9):1350-9.
- Sapino A, Maletta F, Verdun di Cantogno L, Macrì L, Botta C, Gugliotta P, Scalzo MS, Annaratone L, Balmativola D, Pietribiasi F, Bernardi P, Arisio R, Viberti L, Guzzetti S, Orlassino R, Ercolani C, Mottolese M, Viale G, Marchiò C. Gene status in HER2 equivocal breast carcinomas: impact of distinct recommendations and contribution of a polymerase chain reaction-based method. Oncologist. 2014 Nov;19(11):1118-26.
- Rondón-Lagos M, Verdun Di Cantogno L, Marchiò C, Rangel N, Payan-Gomez C, Gugliotta P, Botta C, Bussolati G, Ramírez-Clavijo SR, Pasini B, Sapino A. Differences and homologies of chromosomal alterations within and between breast cancer cell lines: a clustering analysis. Mol Cytogenet. 2014 Jan 23;7(1):8.
- Asioli S, Maletta F, Verdun di Cantogno L, Satolli MA, Schena M, Pecchioni C, Botta C, Chiusa L, Molinaro L, Conti L, Viale G, Ingravallo G, Maiorano E, Sapino A. Approaching heterogeneity of human epidermal growth factor receptor 2 in surgical specimens of gastric cancer. Hum Pathol. 2012 Nov;43(11):2070-9.
- Marchiò C, Lambros MB, Gugliotta P, Di Cantogno LV, Botta C, Pasini B, Tan DS, Mackay A, Fenwick K, Tamber N, Bussolati G, Ashworth A, Reis-Filho JS, Sapino A. Does chromosome 17 centromere copy number predict polysomy in breast cancer? A fluorescence in situ hybridization and microarray-based CGH analysis. J Pathol. 2009 Sep;219(1):16-24.
- Carulli D, Buffo A, Botta C, Altruda F, Strata P. Regenerative and survival capabilities of Purkinje cells overexpressing c-Jun. Eur J Neurosci. 2002 Jul;16(1):105-18.
- Tarone G, Hirsch E, Brancaccio M, De Acetis M, Barberis L, Balzac F, Retta SF, Botta C, Altruda F, Silengo L. Integrin function and regulation in development. Int J Dev Biol. 2000;44(6):725-31. Review. Erratum in: Int J Dev Biol 2001 Sep;45(5-6):following 770. Retta F [corrected to Retta SF].
- Altruda F, Cervella P, Tarone G, Botta C, Balzac F, Stefanuto G, Silengo L. A human integrin beta 1 subunit with a unique cytoplasmic domain generated by alternative mRNA processing. Gene. 1990 Nov 15;95(2):261-6.