

Samanta Sarti

Curriculum Vitae

Personal data

Family name, First name: Sarti, Samanta

Date and place of birth:

CF:

Nationality: Italian

Residence:

Home address:

Cell. number: +

Email:

Education

- *Feb. 2018 – Nov. 2018.* Fellowship at Oncogenomics Unit, CRL-ISPRO, IFC-CNR, Pisa.
- *April 2017.* Training at Leonard I. Zon's Lab (Children's Hospital Boston, Karp Research Laboratories, Boston, MA).
- *Nov. 2014-April 2018.* PhD student in Genetics, Oncology and Clinical Medicine (GENOMECC) at the University of Siena, Pisa and Florence. Supervisor: Dr. Laura Poliseno, Oncogenomics Unit, CRL-ISPRO, IFC-CNR, Pisa.
- *Oct. 2014.* University of Florence, Master Degree in Medical and Pharmaceutical Biotechnology, final grade 110/110 cum laude. Supervisor: Dr. Silvestro Conticello and Prof. Donatella Degl'Innocenti.
- *Feb. 2014-Sept. 2014.* Training at the Molecular Mechanisms of Oncogenesis Lab, CRL-ITT, Florence. Supervisor: Dr. Silvestro Conticello.
- *Apr. 2012.* University of Florence, Bachelor Degree in Medical-Diagnostic Biotechnology, final grade 103/110. Supervisor: Prof. Elena Rapizzi and Prof. Claudio Orlando.
- *Sept. 2011-Apr. 2012.* Training at the Clinic Physiology Lab, Endocrinology Unit, Cubo, Careggi Hospital, Florence. Supervisor: Prof. Elena Rapizzi.

Research experience

As a PhD at the Oncogenomics Unit, I am currently studying the biological functions of miRNA-204 in a zebrafish melanoma model; I am developing an inducible system for spatial and temporal regulation of miRNA expression in the same model; I am generating new zebrafish transgenic line expressing different BRAFV600E protein isoforms.

Competences and technical skills

- Languages:

Italian (mother tongue)

English (intermediate level)

- Techniques:

Molecular Biology:

Manipulation of DNA and RNA: molecular cloning, bacterial transformation, gel electrophoresis, restriction analysis, extraction of DNA and RNA from cells and tissues, PCR, RT-PCR, Real-Time PCR, *in vitro* transcription, synthesis of capped RNAs and probe RNAs. Manipulation of proteins: protein extraction from tissue and cell culture, SDS PAGE, western blot.

Cellular Biology:

Manipulation of cell cultures: transfection, growth curve assay, colony efficiency assay, soft-agar assay, cell cycle analysis, migration assay, adhesion assay, drug sensitivity assay.

Zebrafish embryo and adult manipulation and analysis:

embryo collection, microinjection, tissue fixation, *in situ* hybridization “whole mount”; intraperitoneal injection, histological study of paraffin-embedded tissue sections. Intraperitoneal injection, dorsal injection and oral gavage on adult fish.

Informatics:

Office, photoshop, ImageJ, FASTA, BLAST, NCBI, Ensembl, GeneCards. Bioinformatic tools to design primers and to assess their specificity (Primer3, UCSC). Bioinformatic tools to align two or more sequence (CLC Sequence Viewer, ApE)

Laboratory tools:

Spectrophotometer, PCR thermocycler, real-time PCR, cells electroporator, FACS, biological and chemical hoods, centrifuges, inverted epifluorescence microscope, stereomicroscope.

Biostatistics:


Statistical analysis of experimental data using parametric (ANOVA1, 2 ANOVA, T test, Z test) and nonparametric (chi-square test) tests.

Awards

Boehringer Ingelheim Fonds Travel Grant 2017, to work for a period of one month with Dr. Leonard I. Zon at Children’s Hospital Boston, Karp Research Laboratories (Boston, MA, USA).

Publications

1. Marranci A, Tuccoli A, Vitiello M, Mercoledì E, **Sarti S**, Lubrano S, Evangelista M, Fogli A, Valdes C, Russo F, Monte MD, A Caligo M, Pellegrini M, Capobianco E, Tsinoremas N, Poliseno L. *Identification of BRAF 3'UTR Isoforms in Melanoma*. J Invest Dermatol, 2015. doi: 10.1038/jid.2015.47.
2. Marranci A, Jiang Z, Vitiello M, Guzzolino E, Comelli L, **Sarti S**, Lubrano S, Franchin C, Echevarría-Vargas I, Tuccoli A, Mercatanti A, Evangelista M, Sportoletti P, Cozza G, Luzi E, Capobianco E, Villanueva J, Arrigoni G, Signore G, Rocchiccioli S, Pitto L, Tsinoremas N, Poliseno L. *The landscape of BRAF transcript and protein variants in human cancer*. Mol Cancer. 2017. doi: 10.1186/s12943-017-0645-4.
3. Vitiello M, Tuccoli A, D'Aurizio R, **Sarti S**, Giannecchini L, Lubrano S, Marranci A, Evangelista M, Peppicelli S, Ippolito C, Barravecchia I, Guzzolino E, Montagnani V, Gowen M, Mercoledì E, Mercatanti A, Comelli L, Gurrieri S, Wu LW, Ope O, Flaherty K, Boland GM, Hammond MR, Kwong L, Chiariello M, Stecca B, Zhang G, Salvetti A, Angeloni D, Pitto L, Calorini L, Chiorino G, Pellegrini M, Herlyn M, Osman I, Poliseno L. *Context-dependent miR-204 and miR-211 affect the biological properties of amelanotic and melanotic melanoma cells*. Oncotarget, 2017. doi: 10.18632/oncotarget.15915.
4. Capobianco E, Valdes C, **Sarti S**, Jiang Z, Poliseno L, Tsinoremas NF. *Ensemble Modelling Approach Targeting Heterogeneous RNA-Seq data: Application to Melanoma Pseudogenes*. Scientific Reports, 2017

Signature
Samanta Sarti


Cognome	SARTI
Nome	SAMANTA
nato il	30/10/1989
(atto n.	1293 1 s. A
a	Bagno a Ripoli (FI)
Cittadinanza	italiana
Residenza	Firenze
Via	San Giovanni Bosco N. 24
Stato civile	STATO LIBERO
Professione	studentessa
CONNOTATI E CONTRASSEGNI SALENTI	
Statura	1.63
Capelli	castani
Occhi	azzurri
Segni particolari	

Firma del titolare	<i>S. Sarti</i>
FIRENZE	25/07/2011
Impronta del dito	IL SINDACO
IN ORDINE DEL SINDACO	
ISTRUTTORE DIRETTIVO AMM.VO	
Aniela Patiscali	
Dir. FI	
Dir. FI	



I declare that the reported data are true (art. 46 and 47 D.P.R. 445/2000; art. 76 D.P.R. 445/2000) and I authorise the use of my personal data the handing of my personal data pursuant to the Italian Personal Data Protection Code (D.Lgs no. 196/2003).

Samanta Sarti

Valid ID card (art. 46 and 47 D.P.R. 445/2000, art. 76 D.P.R. 445/2000).