

## **Education and PHD/Masters/Courses**

1984 Medical Doctor, Summa cum laude, University of Perugia, Italy.

1989 Internal Medicine Specialist, Summa cum laude, University of Perugia, Italy.

1994 Ph.D. in Molecular and Cellular Biology, University of Perugia, Italy.

## **Titles (included other positions covered)**

2005-Present Unit Director of “Biology and signal transduction of normal and cancer stem cells”, Dpt of Experimental Oncology, IEO, Milan, Italy.

2013 Associate Professor of Clinical Biochemistry University of Piemonte Orientale, Novara, Italy

2011-2012 Lecturer in Molecular and Cellular Biology, University of L.U.de.S, Lugano, Switzerland.

2002-2004 Senior Staff Scientist, Dpt of Experimental Oncology, IEO, Milan, Italy.

1996- 2002 Staff Scientist, Dpt of Experimental Oncology, IEO, Milan, Italy.

2005-Present Faculty member of European School of Molecular Medicine, Molecular Medicine P.h.D. Program. Milan, Italy.

2002-2003 Lecturer in Molecular Biology, University of Perugia, Italy.

1993-1997 Lecturer in Experimental Oncology, University of Perugia, Medical School, Italy.

## **Research Activities carried out at IEO**

**Scientific Achievements:** Definition of the role of p66shc in the control of life -span in mammals. Definition of the pro-invasive role of Rai/Shc C in normal neural stem cells and in cancer stem cells isolated from human glioblastomas. **Current Research:** Biology of glioblastomas and brain metastases and identification of potential therapeutic targets

## **Passed Clinical and Research Activities**

1983-1987 Pre- and postgraduate activity in Clinical Endocrinology at School of Medicine, University of Perugia, Italy.

Clinical activity and clinical research on prolactin and GH hormones.

1987-1995 PhD in Cellular and Molecular Biology, University of Perugia. Research field: Cloning of the Shc gene and the Shc related gene (Rai/ Shc C) and definition of the role of Shc proteins in signal transduction from activated RTKs to Ras.

## **Awards and other Recognitions**

1984 Italian Prize “Raffaele Silvestrini” for the degree thesis.

1993-1996 Fellowship A.I.D.S. from the "Istituto Superiore di Sanita”.

Publications:

1. Setti M, Savalli N, Osti D, Richichi C, Angelini M, Brescia P, Fornasari L, Carro MS, Mazzanti M, **Pellicci G**. Functional Role of CLIC1 Ion Channel in Glioblastoma-Derived Stem/Progenitor Cells. *J Natl Cancer Inst*. 2013 Oct 10. [Epub ahead of print]
2. Richichi C, Brescia P, Alberizzi V, Fornasari L, **Pellicci G** Marker-independent method for isolating slow-dividing cancer stem cells in human glioblastoma, *Neoplasia*. 2013 Jul;15(7):840-7.
3. Brescia P, Ortensi B, Fornasari L, Levi D, Broggi G, **Pellicci G**. CD133 is essential for glioblastoma stem cell maintenance *Stem Cells*. 2013 Jan 10. doi: 10.1002/stem.1317. [Epub ahead of print]
4. Ortensi B, Setti M, Osti D, **Pellicci G**. Cancer stem cell contribution to glioblastoma invasiveness. *Stem Cell Res Ther*. 2013 Feb 28;4(1):18. [Epub ahead of print]
5. Brescia P\*, Richichi C\*, **Pellicci G**. Current strategies for identification of glioma stem cells: adequate or unsatisfactory? *Journal Of Oncology* 2012;2012:376894. Epub 2012 May 23.
6. Ortensi B\*, Osti D\*, Pellegatta S, Pisati F, Brescia P, Fornasari L, Levi D, Gaetani P, Colombo P, Ferri A, Nicolis S, Finocchiaro G, **Pellicci G**. Rai is a new regulator of neural progenitor migration and glioblastoma invasion *Stem Cells*. 2012 May;30(5):817-32.
7. Erreni M, Solinas G, Brescia P, Osti D, Zunino F, Colombo P, Destro A, Roncalli M, Mantovani A, Draghi R, Levi D, Rodriguez Y Baena R, Gaetani P, **Pellicci G**, Allavena P. Human glioblastoma tumours and neural cancer stem cells express the chemokine CX3CL1 and its receptor CX3CR1. *Eur J Cancer*. 2010 Aug 19
8. Villanacci V, Bassotti G, Ortensi B, Fisogni S, Cathomas G, Maurer CA, Galletti A, Salerni B, **Pellicci G**. Expression of the Rai (Shc C) adaptor protein in the human enteric nervous system. *Neurogastroenterol Motil*. 2008 Mar;20(3):206-12. Epub 2007 Sep 27. IS- 1350-1925 (Print)
9. Troglio F, Echart C, Gobbi A, Pawson T, Pellicci PG, De Simoni MG, **Pellicci G**. From The Cover: The Rai (Shc C) adaptor protein regulates the neuronal stress response and protects against cerebral ischemia. *Proc Natl Acad Sci U S A*. 2004 Oct 26;101(43):15476-81. Epub 2004 Oct 19. IS- 0027-8424 (Print)
10. **Pellicci G**, Troglio F, Bodini A, Melillo RM, Pettirossi V, Coda L, De Giuseppe A, Santoro M, Pellicci PG.

The neuron-specific Rai (ShcC) adaptor protein inhibits apoptosis by coupling Ret to the phosphatidylinositol 3-kinase/Akt signaling pathway.  
Mol Cell Biol. 2002 Oct;22(20):7351-63.  
IS- 0270-7306 (Print)

11. Conti L, Sipione S, Magrassi L, Bonfanti L, Rigamonti D, Pettirossi V, Peschanski M, Haddad B, Pelicci P, Milanesi G, **Pelicci G**, Cattaneo E.  
Shc signaling in differentiating neural progenitor cells.  
Nat Neurosci. 2001 Jun;4(6):579-86.  
IS- 1097-6256 (Print)

12. Migliaccio E, Giorgio M, Mele S, **Pelicci G**, Reboldi P, Pandolfi PP, Lanfrancone L, Pelicci PG. The p66shc adaptor protein controls oxidative stress response and life span in mammals.  
Nature. 1999 Nov 18;402(6759):309-13.  
IS- 0028-0836 (Print)

13. Dilworth SM, Brewster CE, Jones MD, Lanfrancone L, **Pelicci G**, Pelicci PG.  
Transformation by polyoma virus middle T-antigen involves the binding and tyrosine phosphorylation of Shc.  
Nature. 1994 Jan 6;367(6458):87-90.  
IS- 0028-0836 (Print)

14. Rozakis-Adcock M, Mcglade J, Mbamalu G, **Pelicci G**, Daly R, Li W, Batzer A, Thomas S, Brugge J, Pelicci PG, et al.  
Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases.  
Nature. 1992 Dec 17;360(6405):689-92.  
IS- 0028-0836 (Print)

15. **Pelicci G**, Lanfrancone L, Grignani F, McGlade J, Cavallo F, Forni G, Nicoletti I, Grignani F, Pawson T, Pelicci PG.  
A novel transforming protein (SHC) with an SH2 domain is implicated in mitogenic signal transduction.  
Cell. 1992 Jul 10;70(1):93-104.  
IS- 0092-8674 (Print)