

**Thierry Virolle, PhD, HDR, Director of Research DR2/INSERM**

born June 13, 1971 at Hyères, France

Institut de Biologie Valrose (IBV), UMR CNRS 7277- UMR INSERM 1091, UNSA

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Group leader at IBV Nice : Cancer Stem Cell Plasticity and Functional Intra-tumor Heterogeneity

Co-founder and co-organiser of the SUNRISE network (solid tumor cancer stem cell network)

Vice-président de l'association SUNRISE

**Researcher ID :** E-5838-2016

Total articles : 60

Times cited : 1342

**h-index : 19**

**Google Scholar :**

Times cited : 1838

**h-index : 20**

**indice i10 : 26**

◇ **Academic diplomas**

-October 2004 : Habilitation à Diriger des Recherches (HDR); Ecole Doctorale Biologie et Pharmacologie Moléculaire, Université de Nice Sophia Antipolis.

-October 2000 : PhD, Doctorat de Biologie Moléculaire et de Biochimie, Université de Nice Sophia Antipolis. INSERM U385. Mark, très Honorables avec félicitations du Jury.

◇ **Other professional diplomas**

-Octobre 2004 : Qualification for animal experimentation, program surgery.

-Octobre 2003 : Qualification for animal experimentation, program level 1.

◇ **Academic Career**

**-2011 – to present : DR2 INSERM IBV, UMR CNRS 7277/UMR INSERM 1091/UNSA**

Principal investigator : « Glioma initiating cells plasticity, epigenetic and tumor microenvironment »

**-2006 – 2011 : CR1 INSERM U898**, Principal investigator : « molecular analysis of normal and cancer neuronal stem cells plasticity and genotoxic stress response »

**-2003 – 2006 : CR2 INSERM U634**, Principal investigator : « molecular analysis of UV mediated genotoxic stress response ».

**-2001 - 2003 : post-doctoral fellow** with Prof Eileen Adamson, The Burnham Institute, La Jolla San Diego, USA ; « Identification of Egr-1 target genes in breast epithelial cells and prostate cancer cells »

◇ **Grants since 2008**

**INCA PLBIO 2017, SATT SUD EST 2017 mat, Cancéropole PACA Valo 2017, ARC projet 2017, ADERTU, 2016, Association Dimitri Bessière : 2016- open, Association Sauvons Laurat : 2008-2017, SATT SUD EST 2016 premat, Cancéropole PACA 2015, ITMO CANCER, PLAN CANCER 2014-2017, Conseil general 06 : 2014, INCA PLbio 2012-2016, ARC fixe 2012-2014, Fondation de France 2011-2014, OSEO/VALORPACA 2010-2012, ANR jeunes chercheurs : projet GLIOMIRSTEM 2009-2014, ,ARC libre (Association pour la Recherche contre le Cancer) 2008-2010,**

◇ **Invited reviewers**

Oncogene, Nuc Acid Res, The Journal of Gene Medecine, The Journal of Investigative Dermatology, Stem Cells, Cancer Research, Int J of Biochem & Cell Biol, Bulletin du Cancer, Cell Death Differ.

Region Aquitaine, LIGUE, Swiss Nat Sc Found, Main Discipline 30103 Cellular Biology, cancéropole CLARA, Cancéropole PACA.

◇ **media**

France 3 (2009), Nice Matin (2009), Nice matin (2016), Var matin (2016), Nice Matin (2016,) RCF (2009)

◇ **Patents**

Patent Number(s): **FR2963020-A1**

Patent Assignee: **Univ Nice-Sophia Antipolis**

Patent Number(s): **WO2012010768-A1**

Patent Assignee: **Univ Nice-Sophia Antipolis**

Patent Number(s): **WO2014202776-A1**

Patent Assignee: **Cnrs Cent Nat Rech Sci; Univ Nice-Sophia Antipolis; Univ Paris Descartes; Inserm Inst Nat Sante & Rech Medicale**

## ◇ Publications

### - 34 publications in PubMed

### - 13 publications as last author and 5 publications as first author since 1998

Nuc Acid Res (1) Nat Cell Biol (1), J Biol Chem (3), Embo rep (1), Embo J (1), BBRC (1), Cell Death Differ (3), Cell Death Dis (1), Stem Cells (1), Biomaterials (1), Neuro Oncol (1), J Neuro Oncol (1), Cell Death and Dis (1), Oncogene (1) PATENT (3)

### - 10 best publications

Debruyne DN, Turchi L, Burel-Vandenbos F, Fareh M, Almairac F, Virolle V, Figarella-Branger D, Baeza-Kallee N, Lagadec P, Kubiniek V, Paquis P, Fontaine D, Junier MP, Chneiweiss H, **Virolle T**. DOCK4 promotes loss of proliferation in glioblastoma progenitor cells through nuclear beta-catenin accumulation and subsequent miR-302-367 cluster expression. **Oncogene**. 2017 Sep 18. doi: 10.1038/onc.2017.323

Fareh M, Almairac F, Turchi L, Burel-Vandenbos F, Paquis P, Fontaine D, Lacas-Gervais S, Junier MP, Chneiweiss H, **Virolle T**. Cell-based therapy using miR-302-367 expressing cells represses glioblastoma growth. **Cell Death Dis**. 2017 Mar 30;8(3):e2713.

Burel-Vandenbos F, Turchi L, Benchetrit M, Fontas E, Pedeutour Z, Rigau V, Almairac F, Ambrosetti D, Michiels JF, **Virolle T**. Cells with intense EGFR staining and a high nuclear to cytoplasmic ratio are specific for infiltrative glioma: a useful marker in neuropathological practice. **Neuro Oncol**. 2013 Oct;15(10):1278-88.

Nayernia Z, Turchi L, Cosset E, Peterson H, Dutoit V, Dietrich PY, Tirefort D, Chneiweiss H, Lobrinus JA, Krause KH, **Virolle T\***, Preynat-Seauve O\*. (\* co-last author) The relationship between brain tumor cell invasion of engineered neural tissues and in vivo features of glioblastoma. **Biomaterials**. 2013 Nov;34(33):8279-90.

Turchi L, Debruyne DN, Almairac F, Virolle V, Fareh M, Neirijnck Y, Burel-Vandenbos F, Paquis P, Junier MP, Van Obberghen-Schilling E, Chneiweiss H, **Virolle T**. Tumorigenic potential of miR-18A\* in glioma initiating cells requires NOTCH-1 signaling. **Stem Cells**. 2013 Jul;31(7):1252-65.

Fareh M, Turchi L, Virolle V, Debruyne D, Almairac F, de-la-Forest Divonne S, Paquis P, Preynat-Seauve O, Krause KH, Chneiweiss H, **Virolle T**. The miR 302-367 cluster drastically affects self-renewal and infiltration properties of glioma-initiating cells through CXCR4 repression and consequent disruption of the SHH-GLI-NANOG network. **Cell Death Differ**. 2012 Feb;19(2):232-44.

Turchi L, Fareh M, Aberdam E, Kitajima S, Simpson F, Wicking C, Aberdam D, **Virolle T**. ATF3 and p15PAF are novel gatekeepers of genomic integrity upon UV stress. **Cell Death Differ**. 2009 May;16(5):728-37.

Turchi L, Aberdam E, Mazure N, Pouysségur J, Deckert M, Kitajima S, Aberdam D, **Virolle T**. Hif-2alpha mediates UV-induced apoptosis through a novel ATF3-dependent death pathway. **Cell Death Differ**. 2008 Sep;15(9):1472-80.

Thyss R, Virolle V, Imbert V, Peyron JF, Aberdam D, **Virolle T**. NF-kappaB/Egr-1/Gadd45 are sequentially activated upon UVB irradiation to mediate epidermal cell death. **EMBO J**. 2005 Jan 12;24(1):128-37.

**Virolle T**, Adamson ED, Baron V, Birle D, Mercola D, Mustelin T, de Belle I. The Egr-1 transcription factor directly activates PTEN during irradiation-induced signalling. **Nat Cell Biol**. 2001 Dec;3(12):1124-8. PubMed PMID: 11781575.