



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Agnese Po**
Address(es) Department of Molecular Medicine, Sapienza University of Rome
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Fax(es)
E-mail Agnese.po@uniroma1.it
Nationality
Date of birth
Gender

Occupational field SSD MED/46

Work experience

Dates 1/7/2016 – present: Assistant Professor at Sapienza University of Rome, Department of Molecular Medicine
1/7/2015 – 30/06/2016: Research fellow at Sapienza University of Rome, Department of Molecular Medicine
1/5/2012 – 30/04/2015: Assistant Professor at Sapienza University of Rome, Department of Molecular Medicine
1/1/2012 – 30/4/2012: post doctoral fellow at Sapienza University of Rome, Department of Molecular Medicine
1/1/2009 - 31/12/2011: Postdoctoral fellowship – founded from FIRC (Cancer Research Italian Foundation)

Occupation or position held RTD-B at Department of Molecular Medicine, Sapienza University of Rome

Main activities and responsibilities Researcher's activity focuses on the identification and characterization of molecular mechanisms involved in brain cancer, Neural Stem Cells and Cancer Stem Cells with particular focus on the role of the Hedgehog (Hh) pathway.
Moreover, research activity is focused on non-coding RNAs, both microRNA and long non-coding RNAs, in the pathobiology and as biomarkers in different contexts, with particular attention to Type 2 Diabetes and brain cancers.

Education and training

2009 PhD in Endocrinology and Molecular Medicine at Sapienza University of Rome, Experimental Medicine Department. Experimental thesis title: "Hedgehog signalling in cerebellar neural progenitor and tumor cells is under cooperative microRNA control". Tutor: Alberto Gulino
2004 Degree in Biology (Sapienza University of Rome) with full marks cum laude (110/110 cum laude)

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
	C1		C1		C1		C1		C1
	A2		A2		A2		A2		A2

(*) [*Common European Framework of Reference for Languages*](#)

Additional information

Include here any other information that may be relevant, for example contact persons, references, etc.

Receiving

Annexes

List any items attached.

Scientific Publication

(max 30)

1. Laneve P, Po A, Favia A, et al. The long noncoding RNA linc-NeD125 controls the expression of medulloblastoma driver genes by microRNA sponge activity. *Oncotarget* (2017) 10.18632/oncotarget.16049
2. Po A, Silvano M, Miele E et al. Noncanonical GLI1 signalling promotes stemness features and in-vivo growth in lung adenocarcinoma. *Oncogene*, Accepted for publication on february 27th, 2017
3. Po A, Begalli F, Abballe L et al β -Arrestin1/miR-326 Transcription Unit Is Epigenetically Regulated in Neural Stem Cells Where It Controls Stemness and Growth Arrest. *Stem Cells International* Volume 2017 (2017), Article ID 5274171, doi: 10.1155/2017/5274171
4. Di Giannatale A, Carai A, Cacchione A, et al Anomalous vascularization in a Wnt medulloblastoma: a case report. *BMC Neurol.* 2016 Jul 15;16:103. doi: 10.1186/s12883-016-0632-1
5. Folgiero V, Miele E, Carai A, et al IDO1 involvement in mTOR pathway: a molecular mechanism of resistance to mTOR targeting in medulloblastoma. *Oncotarget*, 2016 May 11. doi: 10.18632/oncotarget.9284.
6. Catanzaro G, Besharat ZM, Garg N, et al MicroRNAs-Proteomic Networks Characterizing Human Medulloblastoma-SLCs. *Stem Cells Int.* 2016;2016:2683042. doi: 10.1155/2016/2683042. Epub 2016 Jan 6.
7. Moavero R, Folgiero V, Carai A, et al Metastatic Group 3 Medulloblastoma in a Patient With Tuberous Sclerosis Complex: Case Description and Molecular Characterization of the Tumor. *Pediatr Blood Cancer.* 2016 Apr;63(4):719-22. doi: 10.1002/pbc.25851. Epub 2015 Dec 2.
8. Cefalo MG, Carai A, Miele E, et al. Human iPSC for Therapeutic Approaches to the Nervous System: Present and Future Applications. (2015) *Stem Cells International*, Article ID 580534
9. Silvano M, Miele E, Valerio M, et al. A Consequences of Simulated Microgravity in Neural Stem Cells: Biological Effects and Metabolic Response (2015). *J Stem Cell Res Ther* 2015 5:289. doi: 10.4172/2157-7633.1000289
10. Miele E, Mastronuzzi A, PO et al. Characterization of medulloblastoma in Fanconi Anemia: a novel mutation in the BRCA2 gene and SHH molecular subgroup. (2015) *Biomark Res.* Jun 6;3:13. doi: 10.1186/s40364-015-0038-z. eCollection 2015.
11. Ronci M, Catanzaro G, Pieroni L, et al. Proteomic analysis of human sonic hedgehog (SHH) medulloblastoma stem-like cells. (2015) *Mol Biosyst.* Jun;11(6):1603-11. doi: 10.1039/c5mb00034c.
12. Infante P, Mori M, Alfonsi R, et al. Gli1/DNA interaction is a druggable target for Hedgehog-dependent tumors. (2015). *EMBO Journal*, vol. 34; p. 200-217, ISSN: 0261-4189, doi: 10.15252/embj.201489213
13. Mastronuzzi A, Miele E, PO A. et al. Large cell anaplastic medulloblastoma metastatic to the scalp: tumor and derived stem-like cells features. (2014). *BMC CANCER*, vol. 14; p. 262-, ISSN: 1471-2407, doi: 10.1186/1471-2407- 14-262
14. Sebastiani G, PO A., Miele E et al. MicroRNA-124a is hyperexpressed in type 2 diabetic human pancreatic islets and negatively regulates insulin secretion. (2014). *Acta Diabetologica*, ISSN: 0940-5429, doi: 10.1007/s00592-014-0675-y
15. Miele E, Buttarelli FR, Arcella A et al. High-throughput miRNAs profiling of pediatric high-grade gliomas. (2014) *Neuro-oncology.* doi:10.1093/neuonc/not215
16. Garg N, PO A, Miele E et al. microRNA-17-92 cluster is a direct Nanog target and controls Neural Stem Cell through Trp53inp1. (2013) *EMBO J.* 2013 Oct 30;32(21):2819-32. doi: 10.1038/emboj.2013.214
17. Mazzà D, Infante P, Colicchia V et al. PCAF ubiquitin ligase activity inhibits Hedgehog/Gli1 signaling in p53-dependent response to genotoxic stress. (2013) *Cell Death Differ.* Dec;20(12):1688-97. doi: 10.1038/cdd.2013.120
18. PO A, Ferretti E, Miele E et al. Hedgehog controls neural stem cells through p53-independent regulation of Nanog. (2013) *EMBO Journal*, Vol. 32(15), P. 2646-58. Issn: 0261-4189. © European Union, 2004-2010 24082010

19. Mancarelli MM, Zazzeroni F, Ciccocioppo L et al. The tumor suppressor gene KCTD11REN is regulated by Sp1 and methylation and its expression is reduced in tumors. (2010) *Molecular Cancer*. vol 9:172. eISSN: 1476-4598.
20. Ferretti E, De Smaele E, PO A et al. MicroRNA Profiling In Human Medulloblastoma. (2009). *International Journal Of Cancer*, Vol. 124; P. 568-577, Issn: 0020-7136.
21. De Smaele E, Fragomeli C, Ferretti E et al. An Integrated Approach Identifies Nhlh1 And Insm1 As Sonic Hedgehog- Regulated Genes In Developing Cerebellum And Medulloblastoma. (2008). *Neoplasia*, Vol. 10; P. 89-98, Issn: 1522-8002.
22. Ferretti E, De Smaele E, Miele E et al. Concerted MicroRNA Control Of Hedgehog Signalling In Cerebellar Neuronal Progenitor And Tumour Cells. (2008). *EMBO Journal*, Vol. 27; P. 2616-2627, Issn: 0261-4189.
23. Ferretti E, Tosi E, PO A et al. Notch Signaling Is Involved In Expression Of Thyrocyte Differentiation Markers And Is Down-Regulated In Thyroid Tumors. (2008). *The Journal Of Clinical Endocrinology And Metabolism*, Vol. 93; P. 4080-4087, Issn: 0021-972x
24. Di Marcotullio L, Ferretti E, Greco A et al. Numb Is A Suppressor Of Hedgehog Signaling And Targets Gli1 For Itch-Dependent Ubiquitination. (2006). *Nature Cell Biology*, Vol. 8; P. 1415- 1423, Issn: 1465-7392
25. Ferretti E, Di Marcotullio L, Gessi M et al. Alternative Splicing Of The Erbb-4 Cytoplasmic Domain And Its Regulation By Hedgehog Signaling Identify Distinct Medulloblastoma Subsets. (2006). *Oncogene*, Vol. 25; P. 7267-7273, Issn: 0950-9232