

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

First Name / Surname	VALENTINA CIANFANELLI
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E-mail	valentina.cianfanelli@opbg.net
Nationality	Italian
Date of birth	FEBRUARY 9 TH , 1985

RESEARCH EXPERIENCE

- **04/2020-Present** **Postdoctoral Fellow** at the Depart. of Pediatric Hemato-Oncology and Cell and Gene therapy, Ospedale Pediatrico Bambino Gesù (Rome, Italy)
- **10/2018-03/2020** **Senior Scientist** at the Cell Stress and Survival Unit, Danish Cancer Society Research Center (DCRC), Copenhagen, Denmark
- **06/2014-09/2018** **Postdoctoral Fellow** at the Cell Stress and Survival Unit, DCRC (Copenhagen, Denmark)
- **02/2016-03/2016** **Visiting Scientist** at the Beatson Institute for Cancer Research (Glasgow, United Kingdom)
- **11/2012-05/2014** **Postdoctoral Fellow** (FILAS Fellow) at the Depart. of Biology, University of Rome Tor Vergata (Italy)
- **11/2009-10/2012** **PhD Fellow**, PhD in Cellular and Molecular Biology, University of Rome Tor Vergata (Italy)

EDUCATION AND TRAINING

- **12/2012** **PhD degree** in Cellular and Molecular Biology, University of Rome Tor Vergata (Italy)
- **10/2009** **M.Sc.** in Cellular and Molecular Biology, University of Rome Tor Vergata (Italy). 110/110 Cum Laude
- **10/2009** **B.Sc.** in Cellular and Molecular Biology, University of Rome Tor Vergata (Italy). 110/110 Cum Laude

FUNDING

- **11/2020** **Fondazione Umberto Veronesi** Fellowship. € 30,000
- **06/2020** **Dansk Kræftforskningsfond** – One-year Running Cost Grant (co-applicant). € 30,000
- **04/2020** **Fondazione Umberto Veronesi** Fellowship. € 30,000
- **06/2016** **Kræftens Bekæmpelse** Individual Postdoc Fellowship. € 188,000

- 05/2016 Lundbeckfonden Individual Postdoc Fellowship. € 188,000
- 12/2015 Kræftens Bekæmpelse Travel Grant. € 2,000
- 08/2015 Kræftens Bekæmpelse Travel Grant. € 1,200
- 06/2014 Lundbeckfonden Individual Postdoc Fellowship. € 188,000

▪ AWARDS and ACHIEVEMENTS

- **2017-Present** A Committee appointed by the Italian Ministry of University and Research judged myself eligible to teach at University level as **Associate Professor** in “Comparative Anatomy and Cytology”
- **2017** **EMBO Postdoc Support Grant** awarded by the Organizers of the EMBO “Europhosphatase” Conference (Paris, France). € 350
- **2009** **Raeli Award** from the University of Rome Tor Vergata, among the best graduate students in 2009. € 5000

SELECTED PARTICIPATIONS AT INTERNATIONAL MEETINGS

- **07/2017** **Co-Chair at the EMBO Europhosphatase Conference** (Paris, France)
- **03/2017** **Invited Speaker** at 47th Annual Scand-LAS (Scandinavian Society for Laboratory Animal Science) Conference (Copenhagen, Denmark)
Selected Speaker at:
- **08/2018** 2nd Nordic Autophagy Society Conference (Riga, Latvia)
- **08/2016** 5th Conference of the Nordic Autophagy Network (Keflavik, Iceland)
- **06/2015** 4th Conference of the Nordic Autophagy Network (Helsinki, Finland)
• Top-choice speaker award of the Organizing Committee
- **09/2014** 1st Joint Meeting of the Nordic, Spanish & French (NSF) Autophagy Networks (Toulouse, France)
- **06/2013** Gordon Research Seminar on Cell Growth & Proliferation (West Dover, USA)
- **09/2012** 20th Euroconference on apoptosis - ECDO (Rome, Italy)

EDITORIAL ACTIVITY

- **04/2019** **Guest Editor for Frontiers in Cell and Developmental Biology.** Special issue: “Molecular mechanisms of selective autophagy in human diseases” - <https://www.frontiersin.org/research-topics/10474>

COMMISSION OF TRUST AND REVIEWING ACTIVITY

- **Since 2018** **Grant peer-reviewer** for the French National Research Agency (ANR)
- **Since 2018** **External evaluator for the PhD Programme in Cellular and Molecular Biology** at the University of Rome Tor Vergata
- **Since 2014** **Member of the Nordic Autophagy Network/Society**
- **Since 2011** **Peer-reviewer for the following journals:** Nature Structural & Molecular Biology, Autophagy, Cell Death&Disease, FEBS Letter, Molecular Oncology, Oncogene and PLOS ONE

ORGANIZATION OF SCIENTIFIC MEETINGS

- **2014/2020** **Member of the DCRC Seminar Committee** (DCRC, Denmark). Organization of two seminars per year with International speakers

SUPERVISION ACTIVITY

- **17/2019-Present** **Co-supervisor of a PhD student** enrolled at the University of Copenhagen (MoMed PhD school)
- **01/2019-06/2019** **Supervisor for a guest postdoc** at the DCRC.
 - **Since 2013** **Supervisor for Bachelor and Master students**

LIST OF PUBLICATIONS

Total number of publications 29 (including 2X Nature, 2X Nat Cell Biol, 1X Nat Commun, 2X EMBO J) + 2 Book Chapters

- 9 publications as first author, and 1 as co-corresponding author

Total number of citations 3126

H-index 15 (source: Scopus); 16 (source: Google Scholar)

1. Maiani E*, Milletti G*, Nazio F, Holdgaard S, Bartkova J, Rizza S, Lorente M, Simoneschi D, Di Marco M, **CIANFANELLI V**, D'Acunzo P, di Leo L, Rasmussen R, Montagna C, Raciti M, De Stefanis C, Gabicagogeascoa E, Rona G, Salvador N, Pupo E, Merchut-Maya JM, Daniel CJ, Carinci M, Cesarini V, O'sullivan A, Russo A, Jeong YT, Gallo A, Filomeni G, Lanzetti L, Sears RC, Hamerlik P, Bartolazzi A, Pagano M, Velasco G, Papaleo E, De Zio D, Maya Mendoza A, Locatelli F, Bartek J#, and Cecconi F. (2021) AMBRA1 regulates cyclin D to guard S-phase entry and genomic integrity. NATURE, in Press. IF: 43
2. **CIANFANELLI V**, Grumati P, Nazio F. (2020) Editorial: Molecular Mechanisms of Selective Autophagy in Human Disease. FRONT CELL DEV BIO, 6(8):664. IF: 5.2
3. **CIANFANELLI V***, and Cecconi F*. (2020) Doryphagy: when selective autophagy safeguards centrosome integrity. MOL CELL ONCOL, doi: 10.1080/23723556.2020.1719021. IF: 1.7
*Co-corresponding authors
4. Holdgaard S, **CIANFANELLI V**, and Cecconi F. (2019) Cloud hunting: doryphagy, a form of selective autophagy that degrades centriolar satellites. AUTOPHAGY, 16(2):379-381. IF: 9
5. Holdgaard S#, **CIANFANELLI V#**, Pupo E, Lambrughli M, Lubas M, Nielsen JC, Maiani E, Harder LM, Wesch N, Eibes S, Nazio F, de la Ballina LR, Dötsch V, Brech A, Frankel LB, Barisic M, Andersen JS, Bekker-Jensen S, Lund A-H, Rogov VV, Papaleo E, Lanzetti L, De Zio D, and Cecconi F. (2019) Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. NAT COMMUN, 10(1):4176. IF: 12.4
#These authors contributed equally
6. Lim YC, Ensbey KS, Offenhäuser C, D'Souza RCJ, Cullen JK, Stringer BW, Quek H, Bruce ZC, Kijas A, **CIANFANELLI V**, Mahboubi B, Smith F, Jeffree RL, Wiesmüller L, Wiegmans AP, Bain A, Lombard FJ, Roberts TL, Khanna KK, Lavin MF, Baek K., Hamerlik P, Johns TG, Coster MJ, Boyd MW and Day BW. (2019) Simultaneous Targeting of DNA Replication and Homologous Recombination in Glioblastoma with a Polyether Ionophore. NEURO-ONCOLOGY, doi: 10.1093/neuonc/noz159. IF: 9.4
7. Finetti F, Cassioli C, **CIANFANELLI V**, Onnis A, Paccagnini E, Kabanova A, Baldari CT. (2019) The intraflagellar transport protein IFT20 controls lysosome biogenesis by regulating the post-Golgi transport of acid hydrolases. CELL DEATH DIFFER, 27(1):310-328. IF: 8.1
8. Nazio F#, Bordi M#, **CIANFANELLI V**, Locatelli F., Cecconi F. (2019) Autophagy and cancer stem cells: molecular mechanisms and therapeutic applications. CELL DEATH AND DIFF, 26(4):690-702. IF: 8
#These authors contributed equally

9. Becher J, Simula L, Volpe E, Procaccini C, La Rocca C, D'Acunzo P, **CIANFANELLI V**, Strappazon F, Caruana I, Nazio F, Weber G, Gigantino V, Botti G, Ciccocanti F, Borsellino G, Campello S, Mandolesi G, De Bardi M, Fimia GM, D'Amelio M, Ruffini F, Furlan R, Centonze D, Martino G, Braghetta P, Chrisam M, Bonaldo P, Matarese G, Locatelli F, Battistini L, Cecconi F. (2018) AMBRA1 Controls Regulatory T-Cell Differentiation and Homeostasis Upstream of the FOXO3-FOXP3 Axis. *DEV CELL* 47(5):592-607.e6. IF: 9.6
10. Russo R, Varano GP, Adornetto A, Nazio F, Tettamanti G, Girardello R, **CIANFANELLI V**, Cavaliere F, Morrone LA, Corasaniti MT, Cecconi F, Bagetta G, Nucci C. (2018) Rapamycin and fasting sustain autophagy response activated by ischemia/reperfusion injury and promote retinal ganglion cell survival. *CELL DEATH DIS* 9(10):981. IF: 5.6
11. Onnis A, **CIANFANELLI V**, Cassioli C, Samardzic D, Pelicci PG, Cecconi F & Baldari CT. The pro-oxidant adaptor p66SHC promotes B cell mitophagy by disrupting mitochondrial integrity and recruiting LC3-II. *AUTOPHAGY*, 14(12):2117-2138. IF: 9
 - *Cover Article, Autophagy, 14 (12)*
12. Capizzi MC, Strappazon F, **CIANFANELLI V**, Papaleo E & Cecconi F. (2017) MIR7-3HG, a MYC-dependent modulator of cell proliferation, inhibits autophagy by a regulatory loop involving AMBRA1. *AUTOPHAGY*, 2(5):554-556. IF: 9
13. Corrado M, Mariotti F, Trapani L, Tarabborelli L, Nazio F, **CIANFANELLI V**, Soriano ME, Shrepfer E, Cecconi F, Scorrano L & Campello S. (2016) Macroautophagy inhibition maintains fragmented mitochondria to foster T cell receptor-dependent apoptosis. *EMBO J*, 35(16):1793-1809. IF: 9.8
14. Strappazon F, Di Rita A, **CIANFANELLI V**, D'Orazio M, Nazio F, Fimia GM & Cecconi F. (2016) Pro-survival AMBRA1 turns into a pro-apoptotic BH3-like protein during mitochondrial apoptosis. *AUTOPHAGY*, 12(6):963-975. IF: 9
15. Klionsky DJ, Abdelmohsen K, Abe A, [...], **CIANFANELLI V**, [...] & Zughraier SM. (2016) Guidelines for the use and interpretation of assays monitoring autophagy (3rd edition). *AUTOPHAGY*, 12(1):1-222. IF: 9
16. **CIANFANELLI V** & Cecconi F. (2015) AMBRA1: When autophagy meets cell proliferation. *AUTOPHAGY*, 11 (9),1705-1707. IF: 9
17. **CIANFANELLI V**, De Zio D, Di Bartolomeo S, Nazio F, Strappazon F & Cecconi F. (2015) Ambra1 at a glance. *J CELL SCI*, 28 (11), 2003-2008. IF: 5.43
18. Tatti M, Motta M, Scarpa S, Di Bartolomeo S, **CIANFANELLI V**, Tartaglia M & Salvioli R. (2015) BCM-95 and (2-hydroxypropyl)- β -cyclodextrin reverse autophagy dysfunction and deplete stored lipids in Sap C-deficient fibroblasts. *HUM MOL GENET*, 24(15), 4198-4211. IF: 6.39
19. **CIANFANELLI V**, D'Orazio M & Cecconi F. (2015) AMBRA1 and BECLIN 1 interplay in the crosstalk between autophagy and cell proliferation. *CELL CYCLE*, 14(7), 959-963. IF: 4.57
20. Niso-Santano M, Malik SA, Pietrocola F, Bravo-San Pedro JM, Mariño G, **CIANFANELLI V**, Ben-Younès A, Troncoso R, Markaki M, Sica V, Izzo V, Chaba K, Bauvy C, Dupont N, Kepp O, Rockenfeller P, Wolinski H, Madeo F, Lavandero S, Codogno P, Harper F, Pierron G, Tavernarakis N, Cecconi F, Maiuri MC, Galluzzi L & Kroemer G. (2015)

Unsaturated fatty acids induce non-canonical autophagy. EMBO J, 34 (8), 1025-1041. IF: 9.8

21. **CIANFANELLI V**, Nazio F & Cecconi F. (2015) Connecting autophagy: AMBRA1 and its network of regulation. MOLECULAR & CELLULAR ONCOLOGY, 2(1), e970059. IF: 3.8
22. **CIANFANELLI V**, Fuoco C, Lorente M, Salazar M, Quondamatteo F, Gherardini PF, De Zio D, Nazio F, Antonioli M, D'Orazio M, Skobo T, Bordi M, Rohde M, Dalla Valle L, Helmer-Citterich M, Gretzmeier C, Dengjel J, Fimia GM, Piacentini M, Di Bartolomeo S, Velasco G & Cecconi F. (2015) AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. NAT CELL BIOL, 17(1), 20-30. IF: 19.68
 - Cover Article, *Nat. Cell Biol.*, 17 (1)
23. Strappazon F, Nazio F, Corrado M, **CIANFANELLI V**, Romagnoli A, Fimia GM, Campello S, Nardacci R, Piacentini M, Campanella M & Cecconi F. (2015) AMBRA1 is able to induce mitophagy via LC3 binding, regardless of PARKIN and p62/SQSTM1. CELL DEATH DIFFER, 22(3), 419-432. IF: 8.18
24. Skobo T, Benato F, Grumati P, Meneghetti G, **CIANFANELLI V**, Castagnaro S, Chrisam M, Di Bartolomeo S, Bonaldo P, Cecconi F & Dalla Valle L. (2014) Zebrafish ambra1a and ambra1b knockdown impairs skeletal muscle development. PLoS ONE, 9(6), e99210. IF: 3.23
25. **CIANFANELLI V** & Cecconi F. (2013) Cell biology: Molecular clearance at the cell's antenna. Nature, 502 (7470), 180-181. IF: 41.46
26. Nazio F, Strappazon F, Antonioli M, Bielli P, **CIANFANELLI V**, Bordi M, Gretzmeier C, Dengjel J, Piacentini M, Fimia GM & Cecconi F. (2013) mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function through AMBRA1 and TRAF6. NAT CELL BIOL, 15 (4), 406-416. IF: 19.68
27. Tatti M, Motta M, Di Bartolomeo S, **CIANFANELLI V** & Salvioli R. (2013) Cathepsin-mediated regulation of autophagy in saposin C deficiency. AUTOPHAGY, 9 (2), 241-243. IF: 9.0
28. De Zio D, **CIANFANELLI V** & Cecconi F. (2013) New insights into the link between DNA damage and apoptosis. ANTIOXID REDOX SIGNAL, 19 (6), 559-571. IF: 7.41
29. Tatti M, Motta M, Di Bartolomeo S, Scarpa S, **CIANFANELLI V**, Cecconi F & Salvioli R. (2012) Reduced cathepsins B and D cause impaired autophagic degradation that can be almost completely restored by overexpression of these two proteases in Sap C-deficient fibroblasts. HUM MOL GENET, 21 (23), 5159-5173. IF: 6.39
30. **CIANFANELLI V** & Cecconi F. (2012) Autophagy-dependent NFκB regulation. CELL CYCLE, 11 (3), 436-437. IF: 4.57

BOOK CHAPTERS

1. **CIANFANELLI V** & Cecconi F. (2013) "Chapter 7 – Developmental autophagy" pg. 103-116 of the book Autophagy in Health and Disease – 1st edition. R. Gottlieb Editor, ELSEVIER. ISBN: 9780123851024

2. **CIANFANELLI V** & Cecconi F. (2017) "Chapter 18 - AMBRA1-mediated regulation of c-MYC and its relevance to cancer" pg. 373-385 of the book Autophagy: Cancer, Other Pathologies, Inflammation, Immunity, Infection, and Aging. M. A. Hayat Editor, ELSEVIER. IS