CURRICULUM VITAE

Marco Trerotola, PHD

PERSONAL INFORMATION

Citizenship: Italian
Date of birth: March 16th, 1978
Place of birth: Avellino (Italy)
Residence: via dei Teatini 12, Pescara (Italy)

CONTACT INFORMATION

Work Place: Cancer Pathology Laboratory
Center for Advanced Studies and Technology (CAST)
"G.d'Annunzio" University of Chieti-Pescara, Italy
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BIBLIOMETRIC INDICATORS (UPDATED TO OCTOBER 2021)

H-index = 20

H-index (last 10 years) = 18

Publications = 30

Publications (last 10 years) = 25

Publications (last 5 years) = 9

Citations = 1087

Citations (last 10 years) = 1050

Average number of citations per publication = 35.1

Total Impact Factor = 160.7

Impact Factor (last 10 years) = 129.4

Average Impact Factor per publication = 5.4

EDUCATION

April, 2008	**PhD** in Molecular Oncology and Pathology "G. D'Annunzio" University of Chieti-Pescara, Italy Title of Thesis: *Trop-2 is a novel, potent stimulator of tumor growth, strikingly widespread in human cancer* Supervisor: Prof. Stefano Iacobelli Co-supervisors: Prof. Mauro Piantelli and Dr. Saverio Alberti
March, 2002	**MSc** ***CUM LAUDE*** (*first class) in Biological Sciences "Federico II" University of Naples, Italy. Degree Thesis in General Pathology Title: *Design and transcriptional analysis of synthetic melanoma-specific promoters* Supervisor: Prof. R. Frunzio; Co-Supervisor: Prof. V. De Simone

EMPLOYMENT

Mar 2018 – present	**Laboratory Head** Cancer Pathology Laboratory Center for Advanced Studies and Technology (CAST) "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Mar 2018 – present	**Associate Professor of Laboratory Medicine** Department of Oral, Medical and Biotechnological Sciences "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Mar 2015 – Mar 2018	**Assistant Professor (Ricercatore tipo B)** **Chiamata diretta nell'ambito del "Programma per giovani ricercatori RITA LEVI MONTALCINI 2012"** Department of Oral, Medical and Biotechnological Sciences "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Jan 2013 – Mar 2015	**Staff Scientist** Cancer Pathology Laboratory CeSI-MeT – "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Sep 2010 – Jan 2013	**Post-doctoral Research Associate** Department of Cancer Biology Kimmel Cancer Center at Thomas Jefferson University Philadelphia, PA 19107, USA

Jan 2009 – Aug 2010	**Post-doctoral Research Associate** Department of Cancer Biology University of Massachusetts Medical School Worcester, MA 01605, USA
May 2008 – Dec 2008	**Post-doctoral Research Associate** Cancer Pathology Laboratory CeSI-MeT – "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Jan 2004 – Apr 2008	**PhD student** in Molecular Oncology and Pathology Cancer Pathology Laboratory CeSI-MeT – "G. D'Annunzio" University of Chieti-Pescara Chieti, Italy
Oct 2002 – Dec 2003	**Pre-doctoral Fellow** Cancer Pathology Laboratory Mario Negri Sud Research Institute, Santa Maria Imbaro, Chieti, Italy

RESEARCH GRANTS AND FELLOWSHIPS

2015 – 2018	**Programma per giovani ricercatori "Rita Levi Montalcini" – Bando 2012** from Italian Ministry of Education, Universities and Research (MIUR). **Grant Number: PRG12I7N17** *Project Title*: Pro-metastatic signaling of Trop-2: proteomic, next generation sequencing and biochemical analysis of the Trop-2-guided metastatic events, and therapeutic multitargeting *Role*: Principal Investigator
2009	**Fellowship for research abroad Italy**: Italian Association for Cancer Research (AIRC) "Brain Gain" Program for Abroad Research.
2005	**Fellowship for research in Italy**: Italian Association for Cancer Research (AIRC) Annual Regional Fellowship - Regione Abruzzo.
2004	**Fellowship for research in Italy**: Italian Association for Cancer Research (AIRC) Annual Fellowship "Cav. Carmelo Catanese","Giancarla Fischer", "Maria Teresa Genovese".

PARTICIPATIONS TO NATIONAL AND INTERNATIONAL PROJECTS

1. **European Commission Horizon 2020 – Programme H2020-SMEINST-1-2015 – Funding scheme: SME instrument phase 1**. Proposal 719856 (Acronym: ThruBlood).
   Project Title: "Clinical validation of Trop-2 as a serum biomarker for monitoring of disease-course in patients affected by breast and colon cancer"
   Role: Staff Scientist at Oncoxx Biotech S.r.l.
2. **Ministero dello Sviluppo, Made in Italy 2011-14. Contract N° MI01_00424**.
   Project Title: "Piattaforme intelligenti di sequenziamento per analisi genomica e diagnostica personalizzata del cancro e malattie genetiche".
   Role: Staff Scientist at Oncoxx Biotech S.r.l.
3. **MIUR 2012-15 Smart Cities and Communities and Social Innovation. Contract SCN_00558**.
   Project Title: "Health @ Home".
   Role: Staff Scientist at Oncoxx Biotech S.r.l.
4. **POR-FESR Abruzzo 2007-2013: Attività 1.1.1 linea B**.
   Project Title: "Validazione pre-clinica di molecole anti-Trop-2 per terapie anti-cancro" (Oncoxx Biotech e Polo di Innovazione Chimico Farmaceutico)
   Role: Staff Scientist at Oncoxx Biotech S.r.l.

PATENTS

1. S. Alberti, E. Guerra, **M. Trerotola** "Uso di Trop-2 circolante sierico come nuovo biomarcatore tumorale" – Italian Patent 102015000074105 filed on 18 November 2015 and approved on 26 April 2018.
2. S. Alberti, E. Guerra, **M. Trerotola** "Use of serum Trop-2 as a new cancer biomarker" – PCT/EP2016/025148 filed on 17 November 2016, and published (WO2017/084763Al) on 26 May 2017.
3. S. Alberti, E. Guerra, **M. Trerotola** "Piattaforma per ottenere anticorpi monoclonali diretti contro antigeni processati tumore-specifici" – Italian Patent 102020000031838 filed on 22 December 2020.

PARTICIPATIONS TO MEETINGS AND CONFERENCES

1. Invited Chief Speaker – One Day International Webinar : "Trends and development of biological research and academics in context to COVID-19", Organizer: Department of Microbiology, Michael Madhusudan Memorial College, Durgapur (West Bengal, India), 03 July 2020.
2. Invited Keynote Speaker – Workshop: "New frontiers in systems biology: technological, computational and biological aspects", Lecce (Italy) 11 June 2018.
3. Poster presentation - American Association for Cancer Research (AACR) 108th Annual Meeting; Washington, DC (USA), 01-05 April 2017.
4. Oral presentation - ME-HAD Training Course on Extracellular Vesicles, Siena (Italy), 26-28 March 2015.
5. Poster presentation - 6th Annual "Thomas Jefferson University" Postdoctoral Research Symposium, 21 June 2011.
   Outstanding Presenter in the "Early Discovery" Poster Session.
6. Poster presentation - Innovative Minds in Prostate Cancer Today (IMPaCT) Annual Meeting, Orlando, FL (USA), 09-12 March 2011.
7. Poster presentation - American Association for Cancer Research (AACR) 101st Annual Meeting; Washington, DC (USA), 17-21 April 2010.
8. Oral presentation - Congresso annuale della Società Italiana di Biofisica e Biologia Molecolare (SIBBM), Cortona, Arezzo (Italy), 15-17 April 2004.

AWARDS

2011	6th Annual "Thomas Jefferson University" Postdoctoral Research Symposium – Outstanding Presenter in the "Early Discovery" Poster Session
2006	International Society for Analytical Cytology (ISAC) "Adopt-a-Scientist" ISAC Membership Award

RELEVANT EXPERTISE

- Frontiers in Oncology (Cancer Genetics) : Associate Editor from September 2020
- Plos ONE : Academic Editor from April 2020
- Reviewer for the following international peer-reviewed journals:
  - Plos ONE
  - OncoTargets and Therapy
  - Frontiers in Oncology
  - Frontiers in Genetics
  - Aging
- Invited Guest Editor for the Special Issue titled "Cancer Cell Plasticity"**,** published in *Journal of Oncology* in 2019
- Invited Guest Editor for the JoVE Methods Collection titled " Challenging autophagy in cancer: methods and technologies for dissecting the autophagic pathways in vitro in 2D/3D settings,

and in vivo in animal models "**,** scheduled for publication in *Journal of Visualized Experiments (JoVE)* in 2020

- Software Design
    - TFinder (recognition of transcription factors-DNA bonds)
    - FusionMiner (retrieval of chimeric oncogenic mRNAs from sequence datasets)

TEACHING ACTIVITY

2013 to present. Teaching activity at the G. D'Annunzio University of Chieti-Pescara (Italy).

Frontal teaching activity:

2020 to present

- 2 credits (CFU), Degree Course "Obstetric and Gynecological Sciences", 2nd year seminars.
- Degree Course "Dentistry", Coordinator of the Degree Course of Laboratory Medicine; 3rd year.

2018 to present

- 2 credits (CFU), Degree Course "Techniques of Biomedical Laboratory", Course of "Molecular Diagnostic Techniques in Clinical Pathology"; 3rd year.
- 2 credits (CFU), Degree Course "Dentistry", Degree Course of Laboratory Medicine; Course of "*Oral cytopathology*", 3rd year.

2017-2018

- 1 credit (CFU), Degree Course "Techniques of Biomedical Laboratory", Course of "Molecular Diagnostic Techniques in Clinical Pathology II"; 3rd year.
- 1 credit (CFU), Degree Course "Techniques of Biomedical Laboratory", Course of "Molecular Diagnostic Techniques in Clinical Pathology I"; 3rd year.

Other teaching activities (frontal teaching and lab training): from 2012 to 2018, in the context of the Molecular Genetics Course at the Pharmacy Faculty in the G. D'Annunzio University of Chieti.

- *2009*. Training of graduate students at the UMass Medical School and at the Thomas Jefferson University (USA).

- *2004 to 2008*. Training of undergraduate students at the "G. D'Annunzio" University of Chieti-Pescara (Italy).

PEER-REVIEWED PUBLICATIONS

1. Romani, A., Guerra, E., **Trerotola, M**. and Alberti, S. Detection and analysis of spliced chimeric mRNAs in sequence databanks. *Nucleic Acids Research*, 31:e17 (2003). PMID: 12582262 PMCID: PMC150249
2. **Trerotola, M.**, Vacca, G., Piantelli, M., Alberti, S. Proteomics analysis of solid tumors. *Pathologica*, 97(4), pp. 189-190 (2005). PMID: 16440651
3. Zanna, P., **Trerotola, M.**, Vacca, G., Bonasera, V., Palombo, B., Guerra, E., Rossi, C., Lattanzio, R., Piantelli, M. and Alberti, S. Trop-1 are conserved growth stimulatory molecules that mark early stages of tumor progression. *Cancer*, Jul 15;110(2):452-464 (2007). PMID: 17559145 DOI: 10.1002/cncr.22785
4. Guerra, E., **Trerotola, M.**, Dell' Arciprete, R., Bonasera, V., Palombo, B., El-Sewedy, T., Ciccimarra, T., Crescenzi, C., Lorenzini, F., Rossi, C., Vacca, G., Lattanzio, R., Piantelli, M. and Alberti, S. A bicistronic CYCLIN D1-TROP2 mRNA chimera demonstrates a novel oncogenic mechanism in human cancer. *Cancer Research*, Oct 1;68(19):8113-8121 (2008). PMID: 18829570 DOI: 10.1158/0008-5472.CAN-07-6135
5. **Trerotola M.**, Guerra E. and Alberti S. Letter to the Editor: Efficacy and safety of anti-Trop antibodies. *Biochimica Biophysica Acta*, Apr;1805(2):119-120 (2010). PMID: 20079406 DOI: 10.1016/j.bbcan.2009.12.002
6. **Trerotola M.**, Rathore S., Goel HL., Li J., Alberti S., Piantelli M., Adams D., Jiang Z. and Languino LR. CD133, Trop-2 and α2β1 Integrin Surface Receptors as Markers of Putative Human Prostate Cancer Stem Cells. *American Journal of Translational Research*, 2(2):135-144 (2010). PMID: 20407603 PMCID: PMC2855629
7. Saxena P., **Trerotola M. ***, Wang T., Li J., Sayeed A., VanOudenhove J., Adams DS., Fitzgerald TJ., Altieri DC. and Languino LR. PSA regulates Androgen Receptor expression in prostate cancer cells. *Prostate*, May 15;72(7):769-776 (2012). **** co-first author*** PMID: 21956655 PMCID: PMC3404455 DOI: 10.1002/pros.21482
8. Sayeed A., Alam N., **Trerotola M.**, Languino LR. Insulin-like growth factor 1 stimulation of androgen receptor activity requires β(1A) integrins. *Journal of Cellular Physiology*, Feb;227(2):751-758 (2012). PMID: 21465482 PMCID: PMC3195902 DOI: 10.1002/jcp.22784
9. **Trerotola M.**, Li J., Alberti S., Languino LR. Trop-2 inhibits prostate cancer cell adhesion to fibronectin through the β1 integrin-RACK1 axis. *Journal of Cellular Physiology*, Nov;227(11):3670-3677 (2012). PMID: 22378065 PMCID: PMC3369113 DOI: 10.1002/jcp.24074
10. Plebani R., Oliver GR., **Trerotola M.**, Guerra E., Cantanelli P., Apicella L., Emerson A., Albiero A., Harkin PD., Kennedy RD. and Alberti S. Long-range transcriptome sequencing reveals cancer cell growth regulatory chimeric mRNAs. *Neoplasia*, Nov;14(11):1087-1096 (2012). PMID: 23226102 PMCID: PMC3514740 DOI: 10.1593/neo.121342
11. **Trerotola M.**, Cantanelli P., Guerra E., Tripaldi R., Aloisi AL., Bonasera V., Lattanzio R., de Lange R., Weidle UH., Piantelli M. and Alberti S. Up-regulation of Trop-2 quantitatively stimulates human cancer growth. *Oncogene*, Jan 10; 32(2):222-233 (2013). PMID: 22349828 DOI: 10.1038/onc.2012.36
12. Guerra E., **Trerotola M.**, Aloisi AL., Tripaldi R., Vacca G., La Sorda R., Lattanzio R., Piantelli M. and Alberti S. The Trop-2 signalling network in cancer growth. *Oncogene*, Mar 21; 32(12):1594-600 (2013). PMID: 22562244 DOI: 10.1038/onc.2012.151

13. **Trerotola M.,** Jernigan D.L., Liu Q., Siddiqui J., Fatatis A. and Languino LR. Trop-2 promotes prostate cancer metastasis by modulating β1 integrin functions. *Cancer Research*, May 15;73(10):3155-67 (2013). PMID: 23536555 PMCID: PMC3655712 DOI: 10.1158/0008-5472.CAN-12-3266

14. Sayeed A., Fedele C., **Trerotola M.**, Ganguly KK. and Languino LR. IGF-IR promotes prostate cancer growth by stabilizing α5β1 integrin protein levels. *PLoS ONE*, 8(10): e76513 (2013). PMID: 24130778 PMCID: PMC3793919 DOI: 10.1371/journal.pone.0076513

15. Ambrogi F., Fornili M., Boracchi P., **Trerotola M.**, Relli V., Simeone P., La Sorda R., Lattanzio R., Querzoli P., Pedriali P., Piantelli M., Biganzoli E. and Alberti S. Trop-2 is a determinant of breast cancer survival. *PLoS ONE*, 8(5): e96993 (2014). PMID: 24824621 PMCID: PMC4019539 DOI: 10.1371/journal.pone.0096993

16. Simeone P., **Trerotola M.**, Urbanella A., Lattanzio R., Ciavardelli D., Di Giuseppe F., Eleuterio E., Sulpizio M., Eusebi V., Pession A., Piantelli M. and Alberti S. A unique four-hub protein cluster associates to glioblastoma progression. *PLoS ONE*, 9(7): e103030 (2014). PMID: 25050814 PMCID: PMC4106866 DOI: 10.1371/journal.pone.0103030

17. Vergara D., Simeone P., Latorre D., Cascione F.; Leporatti S., **Trerotola M.**, Giudetti A.M., Capobianco L., Lunetti P., Rizzello A., Rinaldi R., Alberti S. and Maffia M. Proteomics analysis of E-Cadherin knockdown in epithelial breast cancer cells. *Journal of Biotechnology*, 202: 3-11 (2015). PMID: 25449012 DOI: 10.1016/j.jbiotec.2014.10.034

18. **Trerotola M.**, Ganguly KK., Fazli L., Fedele C., Lu H., Dutta A., Liu Q., De Angelis T., Riddell LW., Riobo NA., Gleave ME., Zoubeidi A., Pestell RG., Altieri DC. and Languino LR. Trop-2 is up-regulated in invasive prostate cancer and displaces FAK from focal contacts. *Oncotarget* 6(16):14318-28 (2015). PMID: 26015409 PMCID: PMC4546469 DOI: 10.18632/oncotarget.3960

19. **Trerotola M.**, Relli V., Simeone P. and Alberti S. Epigenetic inheritance and the missing heritability (Review). *Human Genomics* 9:17 (2015). PMID: 26216216 PMCID: PMC4517414 DOI: 10.1186/s40246-015-0041-3

20. Talati PG., Gu L., Ellsworth EM., Girondo MA., **Trerotola M.**, Hoang DT., Leiby B., Dagvadorj A., McCue PA., Lallas CD., Trabulsi EJ., Gomella L., Aplin AE., Languino LR., Fatatis A., Rui H., Nevalainen MT. Jak2-Stat5a/b Signaling Induces Epithelial-to-Mesenchymal Transition and Stem-Like Cell Properties in Prostate Cancer. *The American Journal of Pathology* 185(9): 2505-2522 (2015). PMID: 26362718 PMCID: PMC4597281 DOI: 10.1016/j.ajpath.2015.04.026

21. Guerra E., **Trerotola M.**, Tripaldi R., Aloisi AL., Simeone P., Sacchetti A., Relli V., D'Amore A., La Sorda R., Lattanzio R., Piantelli M. and Alberti S. Trop-2 induces tumor growth through Akt and determines sensitivity to Akt inhibitors. *Clinical Cancer Research* 22(16): 4197-4205 (2016). PMID: 27022065 DOI: 10.1158/1078-0432.CCR-15-1701

22. Vergara D., Simeone P., Franck J., **Trerotola M.**, Giudetti A., Capobianco L., Tinelli A., Bellomo C., Fournier I., Gaballo A., Alberti S., Salzet M. and Maffia M. Translating epithelial mesenchymal transition markers into the clinic: Novel insights from proteomics (Review). *EuPa Open Proteomics* 10: 31-41 (2016). PMID: 29900098 DOI: 10.1016/j.euprot.2016.01.003

23. Vergara D., Stanca E., Guerra F., Priore P., Gaballo A., Franck J., Simeone P., **Trerotola M.**, De Domenico S., Fournier I., Bucci C., Salzet M., Giudetti AM. and Maffia M. β-catenin knockdown affects mitochondrial biogenesis and lipid metabolism in breast cancer cells. *Frontiers in Physiology* 8:544 (2017). PMID: 28798698 DOI: 10.3389/fphys.2017.00544

24. Relli V., **Trerotola M.**, Guerra E. and Alberti S. Distinct lung cancer subtypes associate to distinct drivers of tumor progression. *Oncotarget* 9(85): 35528-35540 (2018). PMID: 30473748 DOI: 10.18632/oncotarget.26217

25. Simeone P., **Trerotola M.**, Franck J., Tristan C., Marchisio M., Fournier I., Salzet M., Maffia M. and Vergara D. The multiverse nature of epithelial to mesenchymal transition (Review). *Seminars in Cancer Biology* 58: 1-10 (2019). PMID: 30453041 DOI: 10.1016/j.semcancer.2018.11.004

26. Relli V., **Trerotola M.**, Guerra E., Alberti S. Abandoning the Notion of Non-Small Cell Lung Cancer. *Trends in Molecular Medicine* 25(7): 585-594 (2019). PMID: 31155338 DOI: 10.1016/j.molmed.2019.04.012

27. Vergara D., Simeone P., Damato M., Maffia M., Lanuti P. and **Trerotola M.** The cancer microbiota: EMT and inflammation as shared molecular mechanisms associated with plasticity and progression. *Journal of Oncology* Oct 20: 1253727 (2019) Article ID: 1253727 PMID: 31772577 DOI: 10.1155/2019/1253727.

28. Vergara D., Verri T., Damato M., **Trerotola M.**, Simeone P., Franck J., Fournier I., Salzet M., Maffia M. A hidden human proteome signature characterizes the Epithelial Mesenchymal Transition program. *Current Pharmaceutical Design* 26(3): 372-375 (2020). PMID: 31995001 DOI: 10.2174/1381612826666200129091610.

29. **Trerotola M.**, Guerra E., Ali Z., Aloisi AL., Ceci M., Simeone P., Acciarito A., Zanna P., Vacca G., D'Amore A., Boujnah K., Garbo V., Moschella A., Lattanzio R., and Alberti S. Trop-2 cleavage by ADAM10 is an activator switch for cancer growth and metastasis. *Neoplasia* 23(4): 415-428 (2021). PMID: 33839455 DOI: 10.1016/j.neo.2021.03.006

30. Zallocco L., Giusti L., Ronci M., Mussini M., **Trerotola M.**, Mazzoni MR., Lucacchini A. and Sebastiani L. Salivary Proteome Changes in Response to Acute Psychological Stress due to an Oral Exam Simulation in University Students: Effect of an Olfactory Stimulus. *International Journal of Molecular Sciences* 22: 4295 (2021). PMID: 33919012 DOI: 10.3390/ijms22094295

31. Guerra E., **Trerotola M.***, Relli V., Lattanzio R., Tripaldi R., Vacca G., Ceci M., Boujnah K., Garbo V., Moschella A., Zappacosta R., Simeone P., de Lange R., Weidle UH., Rotelli MT., Picciariello A., Depalo R., Querzoli P., Pedriali M., Bianchini E., Angelucci D., Pizzicannella G., Di Loreto C., Piantelli M., Antolini L., Sun X-F., Altomare DF. and Alberti S. Trop-2 induces ADAM10-mediated cleavage of E-cadherin and drives EMT-less metastasis in colon cancer. *Neoplasia* 23(9): 898-911 (2021). PMID: 34320447 DOI: 10.1016/j.neo.2021.07.002 ***co-first author***

ABSTRACTS

1. Alberti S., Guerra E., Ceci M., Ali Z., Aloisi AL., Simeone P., Garbo V., Moschella A., Lattanzio R., **Trerotola M.**, Trop-2 cleavage by ADAM10 is an activator switch for cancer growth and metastasis. *EACR 2021 Virtual Congress*, 09-12 June 2021.
2. Alberti S., Guerra E., Lattanzio R., Ceci M., Boujnah K., Relli V., Garbo V., Moschella A., Altomare DF., Depalo R., **Trerotola M.**, E-cadherin inactivation by Trop-2 drives EMT-less metastatic relapse in triple-negative breast cancer. *ESMO Breast Cancer Virtual Congress*, 05-08 May 2021.
3. Alberti S., Guerra E., Relli V., Lattanzio R., Briguori S., Boujnah K., Garbo V., Moschella A., Altomare DF., Depalo R., **Trerotola M.**, Trop-2 inactivates E-cadherin for metastatic diffusion in the absence of EMT. *AACR Annual Meeting 2021*, 10-15 April 2021.
4. Alberti, S., Guerra E., Altomare D., Depalo R., **Trerotola, M.**, Inactivation of E-cadherin by Trop-2 drives colon cancer metastasis, *Journal of Clinical Oncology, 2021 Gastrointestinal Cancers Symposium.* Vol 39, No. 3_suppl (June 20, 2021): 105.
5. Alberti S., Guerra E., Lattanzio R., Boujnah K., Garbo V., Moschella A., Altomare D., Depalo R., **Trerotola M.**, Trop-2 inactivates E-cadherin and drives metastasis in most aggressive cancer types. *ASCB CellBio Virtual Meeting 2020*, 2-16 December 2020.
6. Alberti S., **Trerotola M.**, Guerra E., Zamai M., Caiolfa V., Giant recursive cell membrane platforms drive calcium, phosphatidylinositol and kinase signaling. *ASCB CellBio Virtual Meeting 2020*, 2-16 December 2020.
7. Alberti S., **Trerotola M.**, Lattanzio R., Guerra E. *TROP1/EPCAM* ablation in mice drives congenital tufting enteropathy, *XXIII Congresso Nazionale SIGU Virtual Edition*, 11-13 November 2020.
8. Guerra E., Germanà E., Giuffrè G., **Trerotola M.**, Alberti S. Definition of the molecular mechanism of human amyloid corneal dystrophy, *XXIII Congresso Nazionale SIGU Virtual Edition*, 11-13 November 2020.
9. Alberti S., **Trerotola M.**, Relli V., Lattanzio R., Ceci M., Boujnah K., Garbo V., Moschella A., Querzoli P., Pedriali M., Antolini L., Guerra E. Trop-2 inactivation of E-cadherin drives triple negative breast cancer relapse, *San Antonio Breast Cancer Virtual Symposium*, San Antonio, TX (USA). 8-11 December 2020.
10. Basile M., Stati G., Sancilio S., **Trerotola M.**, Guerra E., Alberti S., Di Pietro R. Human amniotic membrane sub-regions show different morpho-functional features useful in the field of regenerative medicine. *X Meeting SCR Italy*, Napoli (Italy), 05-07 June 2019.
11. Guerra E., Altomare DF., Depalo R., Rotelli MT., Picciariello A., Piscitelli D., **Trerotola M.**, Lattanzio R., Alberti S. Circulating serum Trop-2 as a new colorectal cancer biomarker. *13th ESCP Scientific and Annual Meeting*, Nice (France), 28 September 2018.
12. Guerra E., **Trerotola M.**, Relli V., Pedicone C., D' Amore A., Dini F., Fratarcangeli S., Alberti S. Novel domain-targeted anti–Trop2 monoclonal antibodies exhibit complementary binding and synergic antitumor efficacy in multiple human cancers. *EACR-AACR-SIC 2017 Special Conference*, Firenze (Italy), 24-27 June 2017.
13. **Trerotola M**., Relli V., Tripaldi R., Sacchetti A., Havas K., Simeone P., Guerra E., Aloisi AL., La Sorda R., Lattanzio R., Vergara D., Fournier I., Salzet M., Piantelli M. and Alberti S. Trop-2 activates a dormant Na^+/K^+-ATPase/PKCa/CD9/Ezrin signaling axis to override the basal growth

program of cancer cells. *108th AACR Annual Meeting*, Washington, DC (USA), 01-05 April 2017.

14. Guerra E., **Trerotola M.**, Relli V., Pedicone C., D' Amore A., Dini F., Fratarcangeli S., Alberti S.Two novel anti Trop-2 monoclonal antibodies with unique binding specificities exhibit broad anti-tumor efficacy in human cancer. *108th AACR Annual Meeting*, Washington, DC (USA), 01-05 April 2017.
15. **Trerotola M.**, Alberti S., Goel HL. and Languino LR. β1 integrin-mediated migration of prostate cancer cells is stimulated by the transmembrane protein Trop-2. *Innovative Minds in Prostate Cancer Today (IMPaCT) Meeting*, Orlando, FL. 9-12 March 2011.
16. Alberti S., **Trerotola M.**, Guerra E., Havas K., Lattanzio R., Lasorda R., Bonasera V., Vacca G., Aloisi AL., Piantelli M. Trop-2 is a universal cancer growth stimulator through a ubiquitous signaling platform. *101st AACR Annual Meeting*, Washington, DC. 17-21 April 2010.
17. **Trerotola M.**, Alberti S. and Languino LR. Trop2 modulates β1 integrin-mediated adhesion and migration of prostate cancer cells. *101st AACR Annual Meeting*, Washington, DC. 17-21 April 2010.
18. Alberti, S., **Trerotola, M.**, Vacca, G., Zappacosta, R., Rossi, C., Guerra, E., Bonasera, V., Lasorda, R., Lattanzio, R. and Piantelli, M. Novel role of TROP2 in breast cancer growth and metastatization, *The 2007 Breast Cancer Symposium*, San Francisco, CA. 7-8 September 2007.
19. Alberti, S., **Trerotola, M.**, Vacca, G., Zappacosta, R., Rossi, C., Guerra, E., Bonasera, V., Lasorda, R., Lattanzio, R. and Piantelli, M. TROP2 is a major determinant of growth and metastatic spreading of human cancer, *Journal of Clinical Oncology, 2007 ASCO Annual Meeting Proceedings Part I.* Vol 25, No. 18S (June 20 Supplement), 2007: 10510.
20. Alberti, S., **Trerotola, M.**, Vacca, G., Zappacosta, R., Rossi, C., Guerra, E., Bonasera, V., Lasorda, R., Lattanzio, R., Bianchini, E. and Piantelli, M. Comparative global gene expression analysis identifies TROP2 as a major determinant of growth and metastatic spreading of human cancer, *98th AACR Annual Meeting*, Los Angeles, CA. 14-18April 2007.
21. Alberti, S., **Trerotola, M.**, Emerson, A., and Rossi, E. An automated approach to the in-silico identification of chimeric mRNAs, *2006 annual meeting of the Italian Society of Bioinformatics (BITS)*, 28-29 April 2006; Bologna (Italy).
22. Alberti, S., Vacca, G., **Trerotola, M.**, Guerra, E., Rossi, C., La Sorda, R., Lattanzio, R., and Piantelli, M. Trop-2 is a novel PKC-dependent growth-stimulator trans-membrane molecule and a metastasis marker in human cancer, *Proceedings of the American Association for Cancer Research*, Volume 47, 2006.

MEMBERSHIPS

2012 – 2014	American Association for the Advancement of Science (AAAS) / Science Program for Excellence in Science – Complimentary Membership
2010	American Society for Cell Biology (ASCB) – Member
2009 – present	American Association for Cancer Research (AACR) – Active Member (ID 230418)
2019 – present	Member of the Board of the Abruzzo Section of the Italian Society for Translational Research and Health Professions – SIRTEPS (Società Italiana Ricerca Traslazionale e Professioni Sanitarie)

NATIONAL (ITALIAN) COLLABORATORS

Saverio Alberti	Università di Messina	*Giovanni Brandi* *Valeria Relli*	Università di Bologna
Michele Maffia *Daniele Vergara* *Marina Damato* *Anna Giudetti*	Università del Salento (Lecce)	*Domenico Ciavardelli*	Università di Catania

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Michel Salzet *Franck Rodet* *Tristan Cardon* *Isabelle Fournier*	University of Lille (France)
Pietro Roversi	University of Leicester (UK)
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Valeria Caiolfa *Moreno Zamai*	CNIC, Madrid (Spain)
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Hiromitsu Nakauchi *Morteza Roodgar*	School of Medicine, Stanford University (USA)
William G. Kerr, *Chiara Pedicone*	SUNY Upstate Medical University, Syracuse (USA)

I hereby declare that the information mentioned above is correct up to my knowledge and bear the responsibility for the correctness of the mentioned particulars.

Signature