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Novel regulators of prostate cancer stem cells and tumor aggressiveness

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LIST OF PUBLICATIONS

1. **Zoni E.**, van der Pluijm G., The Role of microRNAs in Bone Metastases. *Journal of Bone Oncology. Provisionally Accepted.*
2. **Zoni E.**, Melsen J., van de Merbel M., Pelger R. C. M., van der Pluijm G., miR-25 modulates the crosstalk between canonical and non-canonical Wnt signaling. *Manuscript in Preparation.*
3. **Zoni E.**, Chen L., Granchi Z., Verhoef E.I., Pelger R.C.M., Snaar-Jagalska E., van Leenders G., Beimers L., Kloen P., Gray P.C., van der Pluijm P.C., Kruithof-de Julio M., CRIPTO and its signalling partner GRP78 drive the metastatic phenotype in human osteotropic prostate cancer. *Provisionally Accepted.*
4. **Zoni E.***, Karkampouna S.* , Gray P., Goumans MJ., Hawinkels L., van der Pluijm G., ten Dijke P., Kruithof-de Julio M. ALK1Fc suppresses tumor growth by impairing angiogenesis and proliferation of human prostate cancer cells in vivo. * Equally contributed. *Submitted.*
5. **Zoni E.**, Kruithof-de Julio M., van der Pluijm G., miR-25, integrin and cancer invasiveness. *Oncoscience. 2015 Aug 24;2(8):663-4. eCollection 2015.*
6. Sokolova V., Fiorino A., **Zoni E.**, Reid JF., Pierotti MA., Gariboldi M., The effects of miR-20a on p21: two mechanisms blocking growth arrest in TGF- β responsive colon carcinoma. *J Cell Physiol. 2015 May 26. doi: 10.1002/jcp.25051.*
7. **Zoni E.**, van der horst G., van de Merbel A.F., Chen L., Rane J., Pelger R.C.M., Visakorpi T., Maitland N., Snaar-Jagalska B.E., van der Pluijm G., miR-25 modulates invasiveness and dissemination of human prostate cancer cells via regulation of α v- and α 6-integrin expression. *Cancer Research. 2015 Apr 9 doi: 10.1158/0008-5472.CAN-14-2155.*
8. **Zoni E.**, van der Pluijm G., Gray P.C., Kruithof-de Julio M., “Epithelial Plasticity in Cancer: Unmasking a MicroRNA Network for TGF- β -, Notch-, and Wnt-Mediated EMT,” *Journal of Oncology, doi: 10.1155/2015/198967.*
9. Reid JF., Sokolova V., **Zoni E.**, Lampis A., Pizzamiglio S., Bertan C., Zanutto S., Perrone F., Camerini T., Gallino G., Verderio P., Leo E., Pilotti S., Gariboldi M., Pierotti MA., miRNA Profiling in Colorectal Cancer Highlights miR-1 Involvement in MET-Dependent Proliferation. *Mol Cancer Res. 2012 Apr;10(4):504-15.*

CURRICULUM VITAE

Eugenio Zoni was born on 14 May, 1986 in Monza, Italy. In 2005 he obtained the high school diploma (Classical Studies) at Liceo Classico Statale B. Zucchi in Monza, Italy. In the same year he started to study Biotechnology at the University of Milan-Bicocca, Milan, Italy where he obtained a Bachelor diploma in 2009 with a dissertation prepared at the Laboratory of Cellular and Molecular Immunology headed by Dr. Francesca Granucci. After his Bachelor diploma, Eugenio started an internship at the Cancer Genomic Group at the FIRC Institute of Molecular Oncology Foundation (IFOM), Milan, Italy where he worked with Dr. Elisabetta Crippa in Dr. Manuela Gariboldi's group on a project focused on the role of microRNA in Breast Cancer. During 2009-2011 Eugenio followed the MSc program of Medical Biotechnology at the University of Milan-Bicocca, Milan, Italy. In 2011 he obtained his Master diploma Cum Laude, with a thesis focused on the analysis of miRNA/gene interactions in the TGF- β pathway in Colorectal Cancer. This experimental work was prepared under the supervision of Dr. Viktorija Sokolova and Prof. Dr. Roberto Perego in Manuela Gariboldi's group at IFOM, Milan, Italy.

In January 2012 Eugenio started his PhD studies at the Urology Research Group headed by Dr. Gabri van der Pluijm at the Department of Urology in Leiden University Medical Center, Leiden, The Netherlands. During his PhD studies, Eugenio took part of the BONE-NET Marie Curie FP7 PhD Program and was awarded with a Travel Award from the European Association for Urological Research in 2012; an ISEH travel grant and an IBMS travel grant from the International Bone and Mineral Society in 2012 and 2013 respectively; and an ENA travel grant and Oral Presentation Award at the 2nd International Symposium ACTC in Crete, Greece in 2014. The work presented in this thesis is the result of the research that Eugenio has conducted from January 2012 to December 2015 at the Urology Research Group, where he is currently appointed.

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