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Tumor exosomes: from loading to release

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| CURRICULUM VITAE

Curriculum Vitae

Frederik Johannes Verweij was born on June 3rd, 1985 in Benthuizen, The Netherlands. He finished his secondary school at the Pieter Zandt scholengemeenschap in Kampen in 2003. The same year he started his study Biomedical Sciences at Utrecht University, after which he continued at this university following the master program "Immunity and Infection" where he graduated in 2008. He commenced his PhD-research in 2009 under supervision of prof. dr. Jaap Middeldorp and dr. Michiel Pegtel at the VUmc Cancer Center in Amsterdam, studying molecular mechanisms for protein loading into exosomes, the release process of exosomes and potential implications of these processes in cancer. He currently lives and works in Paris, where in 2014 he started his post-doctoral research at the Institut Curie with dr. Graça Raposo and dr. Guillaume van Niel. Here, his research is focused on developing an *in vivo* model to study these processes in a physiological context, and for this project he was recently awarded an EMBO long-term Fellowship.

Articles published

Verweij FJ, van Eijndhoven MA, Hopmans ES, Vendrig T, Wurdinger T, Cahir-McFarland E, Kieff E, Geerts D, van der Kant R, Neefjes J, Middeldorp JM, Pegtel DM; LMP1 association with CD63 in endosomes and secretion via exosomes limits constitutive NF κ B activation; EMBO J. 2011 Jun 1;30(11):2115-29

Verweij FJ, Middeldorp JM, Pegtel DM; Intracellular signaling controlled by the endosomal-exosomal pathway; Commun Integr Biol. 2012 Jan 1;5(1):88-93.

Verweij FJ, van Eijndhoven MA, Middeldorp J, Pegtel DM; Analysis of viral microRNA exchange via exosomes in vitro and in vivo; Methods Mol Biol. 2013;1024:53-68

Articles in submission

Verweij FJ, Zomer A, Baglio SR, Garcia-Vallejo JJ, Coppolino MG, Groen FLM, Janssen H, Neefjes JJ, Verhage M, Middeldorp JM, Van Rheenen J, Toonen RF, Pegtel DM; Live-cell imaging of an exosome release reveals a role for GPCR- signaling in MVB-plasma membrane fusion

Verweij FJ, De Heus C, Kroeze S, Cai H, Kieff E, Piersma S, Middeldorp JM, Jiminez C, Pegtel DM; Exosomal sorting of the viral oncoprotein LMP1 is restrained by TRAF2-dissociation at signaling endosomes

Zomer A, Maynard C, Verweij FJ, Kamermans A, Schäfer R, Schiffelers R, De Wit E, Berenguer J, Würdinger T, Pegtel DM, Van Rheenen J; Intravital imaging of microvesicle transfer and its effect on tumour cell migration

Oral presentations

- Institut Curie/Pasteur, Paris (FR), 2014; Protein sorting in the endo- exosomal pathway and release mechanisms
- International Society for Extracellular Vesicles (ISEV) meeting, Rotterdam (NL), 2014; Live-visualization of exosome release dynamics
- ISEV meeting, Boston (USA), 2013; Endo-exosomal trafficking of an EBV Oncoprotein - regulation by CD63 association and palmitoylation
- EBV 2013 meeting (co-organizer), Amsterdam (NL), 2013; Endo-exosomal trafficking of LMP1 is regulated by CD63 association and palmitoylation
- GEIVEX Symposium, Segovia (ES), 2012; Endo- exosomal trafficking of an LMP1
- FASEB summer conference – Tetraspanins, Vermont (USA), 2011; Endo- exosomal trafficking of an EBV oncoprotein

Fellowships and awards

01/01/2015 – 31/12/2016	EMBO Long-Term Fellowship
01/09/2012 – 04/12/2012	Dutch Cancer Society (KWF) Travel grant, CNIC/ Spain
01/09/2012 – 04/12/2012	René Vogels foundation Travel grant, CNIC/ Spain
09/11/2011 – 10/11/2011	Best Presentation Award, KWF Tumor Cell Biol Meeting