Unravelling vascular tumors : combining molecular and computational biology

IJzendoorn, D.G.P. van

Part V

Appendices

Curriculum vitae

David Gerardus Pieter van IJzendoorn was born on December 3, 1990, in Leiden, the Netherlands. He attended bilingual pre-university education (natural sciences and technology track) at the Rijnlands Lyceum in Oegstgeest where he graduated in 2009. In 2010 he started with his medical studies at Leiden University. During the bachelor phase of his medical studies he followed the honors program and successfully finished the pre-master Biomedical sciences. A bachelor research internship at the Sir William Dunn School of Pathology at the University of Oxford supervised by Prof. dr. A.B. Hassan focused on the effect of mifamurtide on macrophages for the treatment of osteosarcoma. In a research internship during the master he participated in research into the effect of Wnt-inhibitors in osteosarcoma supervised by dr. A.M. Cleton-Jansen at the Department of Pathology of the Leiden University Medical Center. Thereafter he decided to put his masters study on hold to conduct his PhD research at the Department of Pathology of Leiden University Medical Center with prof. dr. J.V.M.G. Bovée and dr. K. Szuhai as his advisers. During his PhD research he received a travel grant from the Leiden University Fund that enabled him to spent three months at the Department of Biostatistics and Computational Biology of the Dana-Farber Cancer Institute, Harvard Medical School in Boston (MA), USA, supervised by dr. M.L. Kuijjer. The results of his PhD research are presented in this thesis. He is currently attending the clinical rotations to obtain his MD.

List of publications

- **van IJzendoorn DGP**, Salvatori DCF§, Cao X§, van den Hil F, Briaire-de Bruijn IH, de Jong D, Mei H, Mummery CL, Szuhai K, Bovée JVMG†, Orlova VV†. Pseudomyogenic hemangioendothelioma recapitulated in endothelial cells from human induced pluripotent stem cells engineered to express the *SERPINE1-FOSB* translocation. *Submitted.* §,†Shared authorship

- Lam SW, **van IJzendoorn DGP**, Cleton-Jansen AM, Szuhai K, Bovée JVMG. Molecular Pathology of Bone Tumors. *J Mol Diagnostics.* 2019;21: 171-182.

- **van IJzendoorn DGP**, Szuhai K, Briaire-de Bruijn IH, Kostine M, Kuijjer ML, Bovée JVMG. Machine learning analysis of gene expression data reveals novel diagnostic and prognostic biomarkers and identifies therapeutic targets for soft tissue sarcomas. *PLOS Comput Biol.* 2019;15: e1006826.

- **van IJzendoorn DGP**, Sleijfer S, Gelderblom H, Eskens FALM, van Leenders GJLH, Szuhai K, Bovée JVMG. Telatinib Is an Effective Targeted Therapy for Pseudomyogenic Hemangioendothelioma. *Clin Cancer Res.* 2018;24: 2678-2687.

- **van IJzendoorn DGP**, Bovée JVMG. Vascular Tumors of Bone: The Evolvement of a Classification Based on Molecular Developments. *Surg Pathol Clin.* 2017;10: 621-635.

- **van IJzendoorn DGP**†, Forghany Z†, Liebelt F, Vertegaal AC, Jochemsen AG, Bovée JVMG, Szuhai K, Baker DA. Functional analyses of a human vascular tumor FOS variant identify a novel degradation mechanism and a link to tumorigenesis. *J Biol Chem.* 2017;292: 21282-21290. †Shared authorship

- **van IJzendoorn DGP**, Glass K, Quackenbush J, Kuijjer ML. PyPanda: a Python package for gene regulatory network reconstruction. *Bioinformatics.* 2016;32: 3363-3365.

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truncation of FOS in epithelioid hemangioma of bone. *Genes Chromosom Cancer*. 2015;54: 565-574.

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