Carcinogenicity of insulin analogues

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Dankwoord

◀ IN THE PICTURE

In science, and especially in the laboratory of Toxicology, there is a strong trend to scale up the experiments. “If the insulin receptor downstream signalling pathway has 200 targets, why test one if you can test all of them?” It is impossible to perform these high throughput experiments with manual pipetting alone. The liquid handler in the picture can be programmed to pipette 96 individual wells all at once, which saves time and physical problems like a pipetting hand.

◀ IN BEELD

In het onderzoek, en vooral bij de afdeling Toxicologie worden de experimenten steeds groter opgezet. ”Als de insuline receptor pathway 200 moleculen bevat, waarom zou je er maar één testen als je ze ook allemaal zou kunnen testen?”. Het zou onmogelijk zijn om deze grootschalige experimenten allemaal met de hand te pipetteren. De automatische pipeteer robot op de foto kan 96 individuele welletjes tegelijk pipeteren. Qua tijdsinvestering maar ook uit ergonomisch oogpunt is dit gunstiger.

Curiculum Vitae

Bas (Sebastiaan Johannes) ter Braak was born in Zelhem, The Netherlands, on August 11th 1987. He went to the Ulenhof College in Doetinchem, where he obtained his VWO diploma in 2005, with majors in *Natuur en Gezondheid* and *Natuur en Techniek*.

In 2005, he started his study Biotechnology at Wageningen University. During his academic studies, he completed three graduation Master projects. During a thesis project at the Laboratory of Microbiology of this University he studied the reactivation of inactive genes in *Aspergillus niger*. During his internship at the Bioengineering Research Group of Instituto Superior Técnico (Lisbon Technical University, Portugal), supported by the Erasmus grant, he studied the impact of downstream processing of plasmid on transient transfection in mammalian cells. Bas finished his studies with a second Master thesis at the Biology department of O. Wayne Rollins Research Center (Emory University, Atlanta, USA) where he studied the influence of secondary symbionts in the pea aphid immune system, which was supported by the *Middelhovenfonds*.

Directly after completing his studies in September 2010, he started working as a PhD at the Leiden Academic Center for Drug Research at the Leiden University, on the project "Carcinogenicity of insulin analogues". This project was carried out under the supervision of prof. dr. Bob van de Water, Dr. Jan Willem van der Laan and Dr. Kris Siezen. Since May 2015 he is employed as a post-doctoral researcher at the same department on a project in which cell signalling reporter stem cell models are established for the mechanistic understanding of liver disease.

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List of publications

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