

Curriculum Vitae Steven Van Cruchten



Short CV

Steven Van Cruchten is veterinarian and professor Comparative Perinatal Development at the University of Antwerp. His research is focused on predicting exposure and potential safety issues of medication in pregnant women and the pediatric population by investigating, developing and validating translational models (i.e. animal models (i.c. the Göttingen Minipig) and alternatives to animal testing). More specifically, the ontogeny of hepatic drug disposition processes and their impact on the pharmacokinetics and toxicity of pharmaceutical compounds is investigated in these models. Also the maturation of other organ systems is assessed in view of physiologically-based pharmacokinetic (PBPK) modelling for pediatrics. For a full list of publications and projects see <https://www.uantwerpen.be/en/staff/steven-vancruchten/research/>.

After obtaining the degree of DVM at the Faculty of Veterinary Medicine (Ghent University) in 1999, Steven Van Cruchten started his PhD research in reproductive morphology at the same university. After his PhD defense (July 2004), he was recruited as a reproductive toxicologist by Janssen Pharmaceutica in Beerse, Belgium. In this function, he elaborated his knowledge on teratogenicity, fertility and peri- and postnatal development issues with pharmaceutical compounds in preclinical models. He also became involved into the field of juvenile toxicology. During this time, S. Van Cruchten also joined the international societies in the field of reproductive toxicology, i.e. the European Teratology Society and BDRP, formerly called Teratology Society. In January 2008, he took the opportunity to join another pharmaceutical company, i.e. AstraZeneca in Sweden, as a Toxicology Project Leader, overseeing the complete preclinical development of several compounds, while keeping his scientific role in reproductive and juvenile toxicology. S. Van Cruchten returned to Belgium in January 2011 to start at the University of Antwerp and he is currently as full-time tenured professor supervising a group of 6 PhD students, 1 postdoctoral fellow and 1 project coordinator. He is Vice President of the European Teratology Society, Associate Editor of *Frontiers in Toxicology* (DART section) and member of the editorial board of *Reproductive Toxicology and Animals*. Besides his research activities, he is responsible for several courses within the bachelor programs of Veterinary Medicine/Biochemistry and Biotechnology and the bachelor and master of Biomedical Sciences. He is chair of the education committee for veterinary sciences at UAntwerp and is member of several institutional boards and (inter-)university committees.