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Curriculum Vitae

Bas Rossius was born on January 12th 1982 in Rotterdam, The Netherlands. After completing his secondary education at the City College St. Franciscus in Rotterdam, he studied Computer Science at Leiden University from 2000 until 2002. Realizing his interests lay elsewhere, he began his bachelor studies in Life Science & Technology at Leiden University, which he ultimately finished *cum laude* in 2009. During his bachelor he worked with Prof. Dr. Simon de Vries (Delft University of Technology) on overexpression of membrane-associated redox enzymes. He continued his research in enzymology during his master's degree, studying pre-steady-state kinetics in *E. coli* fumarate reductase, also supervised by de Vries. Additionally, he studied pig liver esterases at DSM (Geleen, The Netherlands) during his industrial internship. He completed his master's degree *cum laude* in 2011.

Given the nature of his previous research, a PhD-project titled 'Breathing through a wire: electro-enzymology of Q-wired respiratory complexes', to be carried out at Leiden University under the supervision of Dr. Ir. Dirk Heering, drew his interest. Starting in November 2011, he investigated methods to attach redox enzymes to electrode surfaces by means of conductive molecular wires (i.e. 'Q-wires'). During this research, which resulted in the work presented here, he further developed his knowledge of organic chemistry, electrochemistry and enzymology.