

WP1: Intrinsic Escape Mechanisms			
PhD Project Title	Brief description	PhD Supervisor / Co-supervisor	Candidate Profile
<p><b>1.3. The non-coding genome:</b> contribution to tumour heterogeneity and functional implications in tumour development and drug resistance</p>	<p>In this project, the focus will be on computationally and mechanistically exploring the non-coding (nc) parts of the genomes of melanoma: mutations and rearrangements (types and numbers) affecting promoters and other regulatory regions as well as miRNAs and lnc RNAs. The potential functional impact of the nc genome on tumour development and drug resistance will be explored <i>in silico</i> (RNA-Seq data generated from suitable cell models) followed by selected wet lab validation.</p>	<p>Stephanie Kreis (UL)</p>	<ul style="list-style-type: none"> <li>• Background (MSc) in molecular biology and computational Biology (Bioinformatics)</li> </ul>