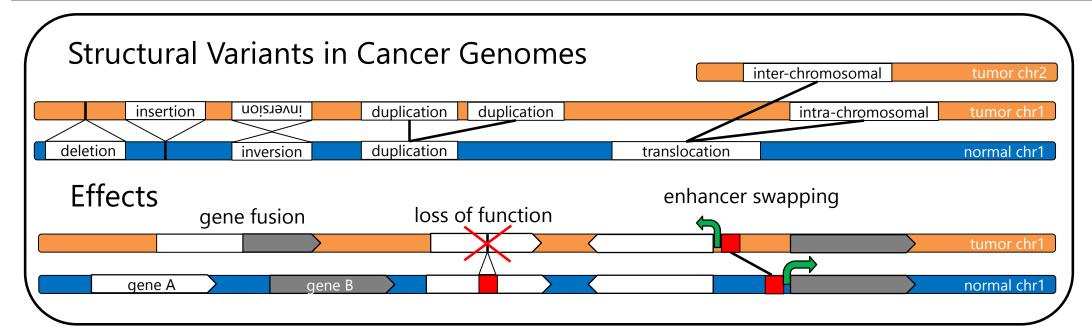
DeepSV: Somatic Structural Variant **Detection with Deep Learning**

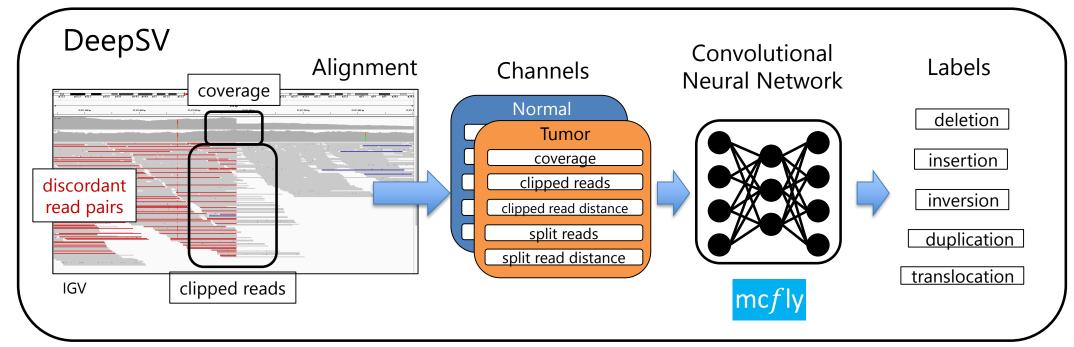


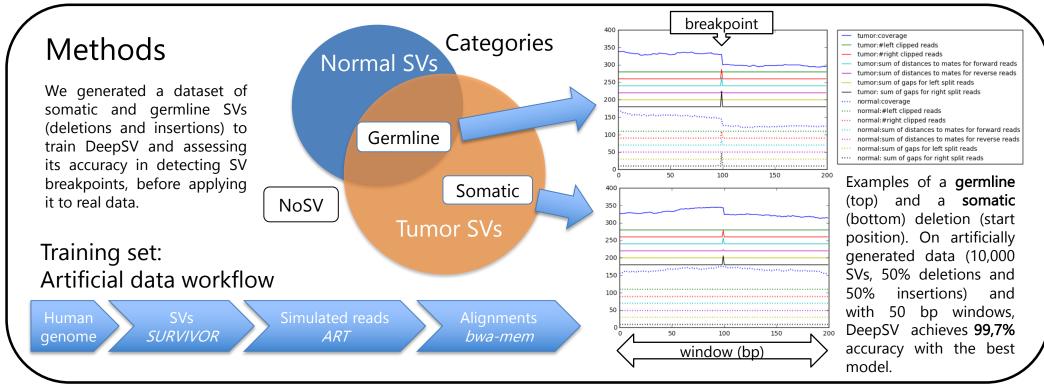
Luca Santuari¹, Sonja Georgievska², Carl Shneider¹, Arnold Kuzniar², Tilman Schaefers¹, Wigard Kloosterman¹ and Jeroen de Ridder¹

1 Center for Molecular Medicine, University Medical Center Utrecht, Universiteitsweg 100, 3584 CG Utrecht, NL

2 Netherlands eScience Center, Science Park 140, 1012 WX Amsterdam, NL







Perspectives

DeepSV has high accuracy for detecting SV breakpoints in artificial WGS data using the current channel specification. In the next step, we will test the model on multiple real tumor/normal sample pairs.

GitHub repositories GTCG: https://github.com/GooglingTheCancerGenome McFly: https://github.com/NLeSC/mcfly



