

PROF. DR. PHIL. SILVIA ARBER

has made outstanding scientific achievements in elucidating the mechanisms that control the development and function of motor circuits. Her research has elucidated the principles that allow neuronal circuits to orchestrate accurate and timely control of motor behavior in response to different stimuli, including both sensory and conscious signals. She has explored the developmental and molecular identity of neuronal subpopulations implicated in these circuits, as well as the spatial and functional properties of synaptically interconnected neuronal subpopulations, to reveal how motor circuits control movement. These studies have appeared in a series of papers in the journals of highest international impact, leaving no doubt that Silvia Arber is a world leader in developmental neuroscience. Importantly, Silvia Arber's contributions have not only fundamental genetic and biochemical impact, but direct medical relevance for understanding and treating motoneuron disease.

ZÜRICH, 28. Mai 2014

DER PRÄSIDENT DES PREISRATES:

