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Our group studies the biology of seven transmembrane domain and tyrosine kinase receptors. Our main focus is to elucidate the consequence of activating these membrane proteins in different pathological context such as cancer and cardiovascular diseases. Our efforts aim at elucidating the proteins as well as the signaling pathways activated following receptor stimulation. We have shown that small GTP binding proteins of the ARF family (ADP-ribosylation factor) act as molecular swithes to control migration, invasion and proliferation induced by hormone and growth factor stimulation.