

<b>Technology</b>	Self-assembled molecular electronics
<b>Gain/restoring level</b> <b>Signal/Noise ratio</b> <b>Non-linearity</b>	Ok with SAMFET (to be optimized), (2-terminal junction low current ( $G_0$ max)) Noise not yet studied (a few publications) Mol junctions are mainly non-linear
<b>Speed</b> <b>Power consumption</b>	low low (50 zJ/mol switch)
<b>Architecture/Integrability</b> (Inputs/outputs, digital, multilevel, analog, size etc.)	molecule-NP 2D and 3D arrays could implement some functions (e.g. reconfigurable logic, neuro-inspired function)
<b>Other specific properties</b>	almost infinite combination of molecules, adjustable by chemistry, specific design (1 molecule = 1 function)
<b>Manufacturability</b> (Fabrication processes needed, tolerances etc.)	solution process, compatible with flexible substrate. Defect control? large variability (but not a problem if we envision ANN applications)
<b>Timeline</b> (When exploitable or when foreseen in production)	> 5 - 10y (if ever?)