

# The “core lab” @ Politecnico di Milano

Responsible: [Elena Rosini](#)

**Activities:** the *core lab* identifies, produces and develops (by protein engineering) proteins from any organism (from virus to human origin) for several biotechnological applications

**Expertises:** molecular biology, protein expression, protein engineering, protein biochemistry, cell biology, biocatalysis

**Main results:** novel biosensors (for detection of histamine, sarcosine and glycine), improved biocatalysts (cephalosporin C acylase, L- and D-amino acid oxidases, glycine oxidase, etc.), human proteins related to various pathologies to develop novel therapies ( $\alpha$ -synuclein, pLG72, Hsp70, D-amino acid oxidase, Phox2B, etc.)



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