



Institute of Biochemistry

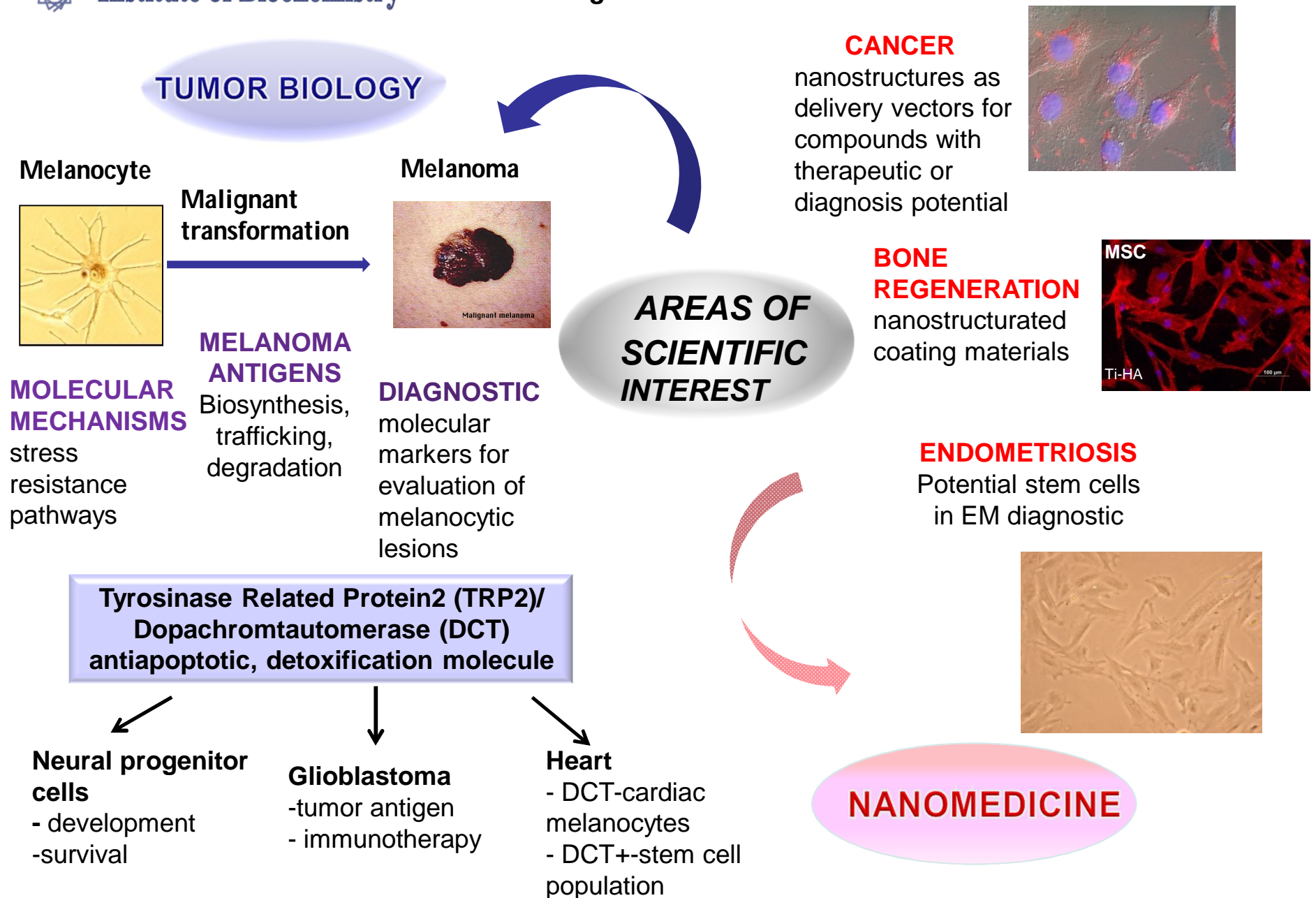
Gabriela Negroiu

Senior Researcher, degree I

**Department of Molecular Cell Biology,
Institute of Biochemistry of the Romanian
Academy**

www.biochim.ro

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Techniques, Procedures used by our group

- *Metabolic labeling, 35S, pulse chase and immunoprecipitation*
 - *Gene regulation- downregulation (transient-siRNA and permanent CRISPR/Cas9) or upregulation (overexpression)*
- *Western blotting*
 - *Immunocytofluorescence/ immunohistofluorescence double, triple labeling*
- *Cell culturing (tumor cell lines, MSC isolation, 2D; 3D in progress)*
 - *Flow cytometry- cellular phenotype mapping*
- *Mass spectrometry*
 - *Protein-protein interactions – pull-down experiments*
- *Biocompatibility – viability, apoptosis*
 - *Cellular uptake, internalization , trafficking of nanostructures*