**Role of galectin-14, a placental signalling protein in inflammatory pregnancy syndromes**

Our Sinergy Group developed inducible, galectin-14 overexpressing BeWo cell clones, and tested these as well as BeWo-derived extracellular vesicles (tEVs) with the anti-galectin-14 monoclonal antibodies and by functional assays. Galectin-14+ tEVs bound to CD3+ T cells mostly among peripheral blood mononuclear cells, and induced the apoptosis of these cells. We collected a large number of clinical specimens from women with spontaneous abortions and those with artificial termination of pregnancy, and showed reduced quantities of galectin-14+ tEVs in women with spontaneous abortions compared to controls, which suggests the potential biomarker role of galectin-14+ tEV-s in miscarriages. The collaborative network built on our MedInProt platform submitted further grant applications (supported: MedInProt Ad hoc Grant and University of Basel Innovation Pilot Grant; submitted: OTKA Grant).