



Exogenous administration of human recombinant PTN increased the mRNA levels of VEGF₁₉₀ and VEGF₁₆₅ and activated metalloproteinase (MMP)-2 in the chicken embryo CAM. **A.** Products of RT-PCR reactions for chicken VEGF₁₉₀ and VEGF₁₆₅ and GAPDH from mRNA of chicken embryo CAM after application of different doses of PTN. The primers used in the present study amplified both variants of avian VEGF, as previously described (Giannopoulou *et al.*, 2003). **B.** Equal amounts of total protein extracts of chicken embryo CAM from different developmental stages were analyzed by SDS-PAGE, followed by zymography for MMP-2 and Western analysis for actin. MMP-2 is the predominant metalloprotease detected in the CAM (Ribatti *et al.*, 1999; Giannopoulou *et al.*, 2001).

Giannopoulou E, Katsoris P, Hatziapostolou M, Kardamakis D, Kotsaki E, Polytarchou C, Parthymou A, Papaioannou S, Papadimitriou E. **X-rays modulate extracellular matrix in vivo.** *Int J Cancer* 2001, **94**: 690-698.

Giannopoulou E, Katsoris P, Kardamakis D, Papadimitriou E: **Amifostine inhibits angiogenesis in vivo.** *J Pharmacol Exp Ther* 2003, **304**: 729-737.

Ribatti D, Nico B, Vacca A, Iurlaro M, Roncali L: **Temporal expression of the matrix metalloproteinase MMP-2 correlates with fibronectin immunoreactivity during the development of the vascular system in the chick embryo chorioallantoic membrane.** *J Anat* 1999, **195**: 39-44.