

IMMUONOHISTOCHEMICAL ASPECTS IN THE HUMAN SUPRACHIASMATIC NUCLEUS

Prof. *Ion Radu* MD, PhD¹, *Romijn H.J* MD, PhD².

¹ Faculty of Medicine, University "Transilvania" Braşov

² Institute for Brain Research, Amsterdam, Holland

The main goal of this study is to investigate the normal distribution of some neuropeptide-containing neurons in the human suprachiasmatic nucleus (SCN). We used antibodies against vasopressin (VP), neurotensin (NT), vasoactive intestinal peptide (VIP), corticotropin releasing hormone (CRH) and neuropeptide Y (NPY). In SCN we observe NT neurons, more VIP neurons that overlap the zone of distribution of the retino-hypothalamic tract (RHT), but exist and VP neurons and very few CRH neurons. A large population of NPY neurons obscures the geniculohypothalamic tract (GHT).
