EULAR Study Group on NeuroEndocrine Immunology of Rheumatic Diseases (NEIRD)

(Report activities 2010-2011)
Chair: Prof. M. Cutolo, Genoa

The EULAR Study Group on Neuro Endocrine Immunology of the Rheumatic Diseases (NEIRD) was founded in 1998 during the First International Conference on Neuroendocrine Immune Basis of the Rheumatic Diseases held in Genova-I with EULAR Patronage (September 18-20). In 1999 by the same founders was established at the ACR a Study Group on Neuroendocrine Immunology (and regularly attended with a session every year).

The members of the NEIRD organized the following NEIRD Conferences (2nd, 3rd, 4th and 5) held in 2001, 2005, 2009, 2013 (next year) always under the EULAR patronage.

The results of the NEIRD Study Group are regularly presented (from 1999) during the EULAR annual meeting at the ESCIR workshop.

The EULAR/ACR members involved from the beginning in the NEIRD Study Group include RH Straub (D), JWJ Bijlsma (NL), F Buttgereit (D), , L Crofford (US), J Kirwan (UK), S Capellino (I/D), A Doria (I), G Chrousos (G), M Petri (US), M Cutolo (I), A Tincani (I), K Otsa (E), JM Dayer (S), J Rovensky (SK), P SarziPuttini (I), Y Shoenveld (IS), F Atzeni (I), D Jessop (UK), C Pitzalis (UK) M Lockshin (US), I Elenkov (I), M Ostensen (N), Meroni PL (I), and others including A Masi (US) and R Lahita (US)

Major topics of the investigations in the last 2 years (2010-2011) included:
- Sex hormone, pregnancy and rheumatic diseases
- Circadian rhythms and rheumatic diseases
- Glucocorticoids and rheumatic diseases
- Vitamin D and rheumatic diseases


Cutolo M. Rheumatoid arthritis: circadian and circannual rhythms in RA. Nat Rev Rheumatol. 2011 Aug 2;7(9):500-2


° Cutolo M. Hormone therapy in rheumatic diseases. Curr Opin Rheumatol. 2010 May;22(3):257-63
° Cutolo M, Pizzorni C, Sulli A. Vitamin D endocrine system involvement in autoimmune rheumatic diseases. Autoimmun Rev. 2011 Dec;11(2):84-7
° Straub RH & Cutolo M. “Neuroendocrine immunology in rheumatic diseases” in the EULAR Compendium on Rheumatic Diseases (2009 & 2012 editions, chapt 50 BMJ)
° Cutolo M. “Arthritis Accompanying Endocrine and Metabolic Disorders” chapter in the Kelley’s Textbook of Rheumatology (2010-2011, chap 121)
° Straub RH, Sulli A, Cutolo M. Module (42a) in “EULAR online Course (edition 2009 and 2012) " on Neuro Endocrine Immunology"