

CARATTERIZZAZIONE GENETICA, MOLECOLARE E CLINICA DEI PAZIENTI AFFETTI DA MALATTIE AUTOINFIAMMATORIE

Fellow:

❖ **Dr. Antonio Lanzavecchia, Istituto di Ricerche in Biomedicina (Svizzera)**

In the past 20 years he has contributed to the fields of antigen presentation, T-cell epitope identification, dendritic cell biology, innate immunity, mechanisms of T cell priming and differentiation, characterization of memory T and B cells. In recent years his research has focused on the cellular basis of immunological memory. He has identified two subsets of human memory T cells (central memory and effector memory cells), with distinct migratory capacity and effector function and proposed that central memory T cells represent intermediates of the T cell differentiation process which persist as “memory stem cells”. He has also characterized the mechanisms of T cell priming by dendritic cells and proposed a progressive T cell differentiation model, which has been tested and validated in several experimental conditions.