第４１３回 難研セミナー

下記により難研セミナーを開催しますので、多数御来聴下さい。

記

日　時：　　20 年 9 月 12 日（金） 17 : 00 ～ 19 : 00

場　所：　難治疾患研究所［湯島地区］II 期棟 22 階セミナー室

演　者：　Seiamak Bahram　博士

（ルイ・パスツール大学免疫研究所　教授、ストラスブール・フランス）

演　題：　MIC genes: from bench to bedside

要　旨：　The Major Histocompatibility Complex class I (MHC-I) chain-related MIC gene family defines a distinct lineage of MHC-Is, with seven members (MICA-G) interspersed within the 1.8 Mb HLA class I region on human chromosome 6p21.3. Among these, MICA and MICB encode stress-induced, highly polymorphic, single-chain (beta2microglobulin- independent), membrane-bound glycoproteins which interact with the activatory NKG2D receptor. The latter is widely expressed on NK cells as well as gamma/delta and CD8+ alpha/beta T lymphocytes. An early discovery within the field was the recognition of an unusually high number of alleles for both MICA and MICB. To date over 60 MICA and 30 MICB alleles have been documented. In conjunction with the identification of anti-MIC antibodies, these data therefore formally define MIC as allo-antigens. Both this polymorphism and the existence of anti-MIC antibodies are about to emerge as having a direct role in graft rejection, independently of HLA molecules. This lecture will bring an up-to-date view of MIC genes and molecules stressing the current view of their pathophysiology in human organ transplantation, a prelude to potential diagnostic, prognostic as well as therapeutic value of their assessment in a clinical setting.

連絡先：分子病態・木村彰方（内線 4906）、病態細胞生物・清水重臣（内線 4692）