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Nota di contenuto	MAST CELLS AND BASOPHILS: DEVELOPMENT, ACTIVATION AND ROLES IN ALLERGIC/AUTOIMMUNE DISEASE; Contents; Participants; Chair's introduction; MITF and SgIGSF: an essential transcription factor and its target adhesion molecule for development and survival of mast cells; Discussion; Immune sensitization in the skin is enhanced by antigen-independent effects of IgE on mast cells; Discussion; The role of Src family kinases in mast cell effector function; Discussion; RasGRP4 in mast-cell signalling and disease susceptibility; Discussion Regulation of mast cell secretory response to the type I Fce receptor: inhibitory elements and desensitisationDiscussion; General discussion I; IgE regulation of mast cell survival and function; Discussion; RabGEF1, a negative regulator of Ras signalling, mast cell activation and skin inflammation; Discussion; Role of CC chemokines and their receptors in multiple aspects of mast cell biology: comparative protein profiling of FceRI- and/or CCR1-engaged mast cells using protein chip

technology; Discussion; The role of phosphoinositide-3-kinase in mast cell homing to the gastrointestinal tract  
DiscussionThe mast cell and the cysteinyl leukotrienes; Discussion;  
Regulation of gene expression in mast cells: micro-RNA expression and chromatin structural analysis of cytokine genes; Discussion; The involvement of Bcl-2 in mast cell apoptosis; Discussion; General discussion II; General discussion III; Mast cells in autoantibody responses and arthritis; Discussion; MASTering the immune response: mast cells in autoimmunity; Discussion; Mastocytosis; Discussion; Index of contributors; Subject index

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#### Sommario/riassunto

The book presents recent advances relating to the factors and mechanisms that regulate the growth, differentiation and function of mast cells and basophils; discussion of new technologies used to study these cells, and integration of the basic scientific findings in the context of therapeutic possibilities for the treatment of diseases such as allergic inflammation and autoimmune disease which are mediated, in part, by these granulocytes.

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