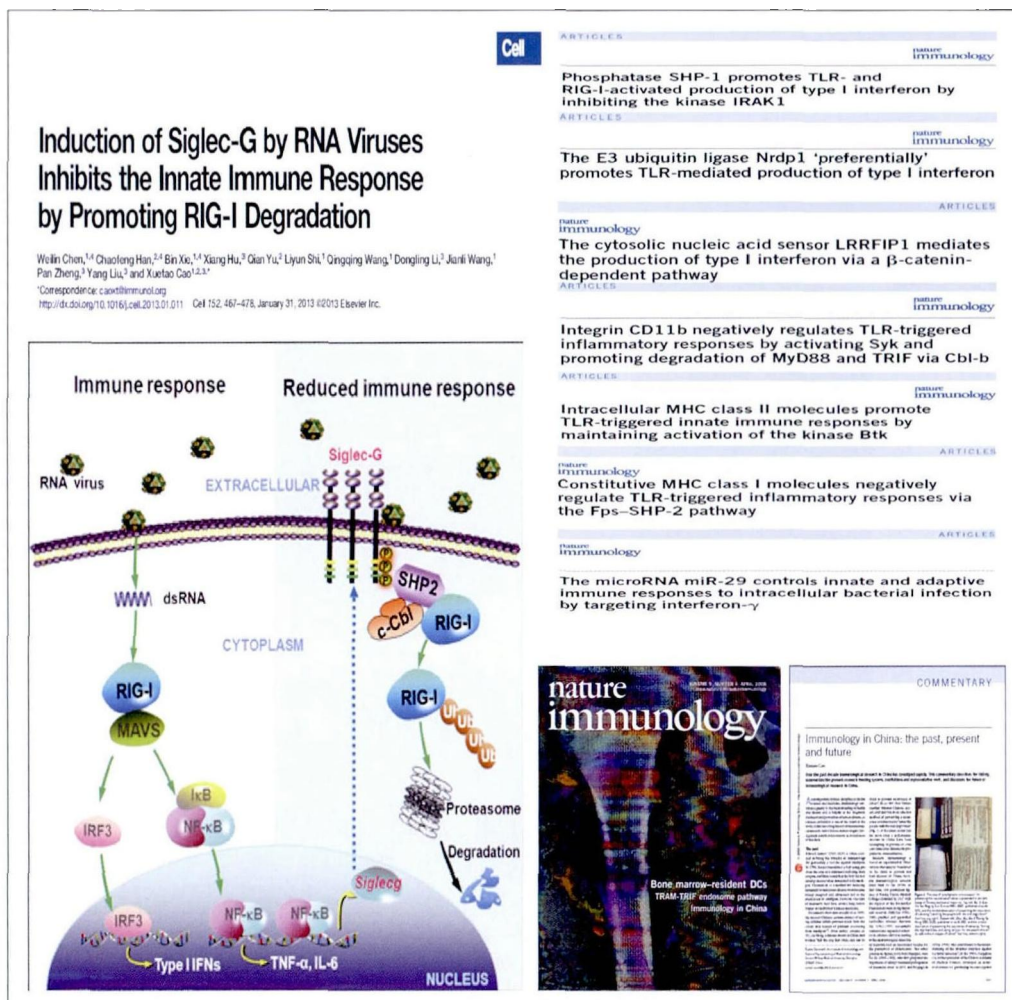


# Studies on the mechanism of immune recognition and regulation in the innate immunity against infection

With the long-term continuous and strong support from the National Natural Science Foundation of China, the research team headed by Prof. Cao Xuetao has conducted a series of innovative studies focusing on the mechanisms of immune recognition and regulation in the innate immune response against infection, and discovered several innate receptors and signaling molecules for viral recognition, revealed the signal transduction mechanism. In the past 5 years, they published 8 papers in *Nature Immunology* to report their main research findings. In January 2013, *Cell* published their important discovery on the molecular mechanism of RNA virus to escape from innate immune response, which may open up a new horizon for antiviral drug design and vaccine development. Because of his internationally competitive accomplishments, Prof. Cao was invited to write a commentary “*Immunology in China; The past, present and future*” in *Nature Immunology*. In 2013, *Immunity* of Cell Press published a special issue of “*spotlight on China*”; Prof. Cao wrote the preface to introduce the major achievements and ongoing progress of immunology research in China.



**Figure** The research team led by Professor Cao Xuetao published 8 papers in *Nature Immunology*, which has drawn wide attention from global immunology community.