

## Special Issue on Antibody Research

### Call for Papers

An **antibody** (Ab), also known as an immunoglobulin (Ig), is a large Y-shaped protein produced by B-cells that is used by the immune system to identify and neutralize foreign objects such as bacteria and viruses. The antibody recognizes a unique part of the foreign target, called an antigen. Each tip of the "Y" of an antibody contains a paratope (a structure analogous to a lock) that is specific for one particular epitope (similarly analogous to a key) on an antigen, allowing these two structures to bind together with precision. Using this binding mechanism, an antibody can tag a microbe or an infected cell for attack by other parts of the immune system, or can neutralize its target directly (for example, by blocking a part of a microbe that is essential for its invasion and survival). The production of antibodies is the main function of the humoral immune system.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Antibody**.

Authors should read over the journal's [Author Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal [Paper Submission System](#).

Please kindly notice that the "Special Issue" under your manuscript title is supposed to be specified and the research field "Special Issue- Antibody Research" should be chosen during your submission.

According to the following timetable:

Manuscript Due	February 27th, 2013
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### Editor-in-Chief

Prof. Abass Alavi,  
University of Pennsylvania, USA

For further questions or inquiries  
Please contact Editorial Assistant at  
[abb@scirp.org](mailto:abb@scirp.org)

