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DESCRIPTION

The *Current Opinion* journals were developed out of the recognition that it is increasingly difficult for specialists to keep up to date with the expanding volume of information published in their subject. In *Current Opinion in Chemical Biology*, we help the reader by providing in a systematic manner:

1. The views of experts on current advances in **chemical biology** in a clear and readable form.
2. Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

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The subject of chemical biology is divided into themed sections which are reviewed regularly to keep them relevant. For 2015 they are:

Omics Bioinorganic chemistry Biocatalysis and Biotransformation Next Generation Therapeutics Molecular Imaging Synthetic Biology Synthetic Biomolecules Energy Mechanistic Biology

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- 30. Wong FS, Karttunen J, Dumont C, Wen L, Visintin I, Pilip IM, Shastri N, Parner EG, Janeway CA Jr; **Identification of an MHC class I-restricted autoantigen in type 1 diabetes by screening an organ-specific cDNA library**. *Nat Med* 1999, **5**:1026-1031.

Using class I tetramers, the authors demonstrate that insulin-specific CD8+ T cells account for a large proportion of infiltrated T cells in the islets of prediabetic NOD mice. This is the first study to use peptide multimers to decipher the mechanism of autoimmunity.

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