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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.

Division of the subject into sections:

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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Section Editors, who are major authorities in the field, are appointed by the [Editors](#) of the journal. They divide their section into a number of topics, ensuring that the field is comprehensively covered and that all issues of current importance are emphasised. Section Editors commission reviews from authorities on each topic that they have selected.

Reviews:

Authors write short review articles in which they present recent developments in their subject, emphasising the aspects that, in their opinion, are most important. In addition, they provide short annotations to the papers that they consider to be most interesting from all those published in their topic over the previous year.

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Section Editors write a short overview at the beginning of the section to introduce the reviews and to draw the reader's attention to any particularly interesting developments.

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Chemical Biologists in academia and industry who are interested in keeping abreast of advances in understanding chemical biology.

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The aim of the manuscript is to review recent articles, with particular emphasis on those articles published in the **past two years**. In addition to describing recent trends, you are encouraged to give your subjective opinion of the topics discussed, although you should not concentrate unduly on your own research. Your review should be approximately 2000 words (not including references or reference notes), with approximately 50 references and, as such, the review is intended to be a concise view of the field as it is at the moment, rather than a comprehensive overview. Our audience ranges from student to professor, so articles must be accessible to a wide readership. Please avoid jargon, but do not oversimplify: be accurate and precise throughout. Occasionally, unpublished data can be referred to, but only when essential and should never be used to substantiate any significant point.

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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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