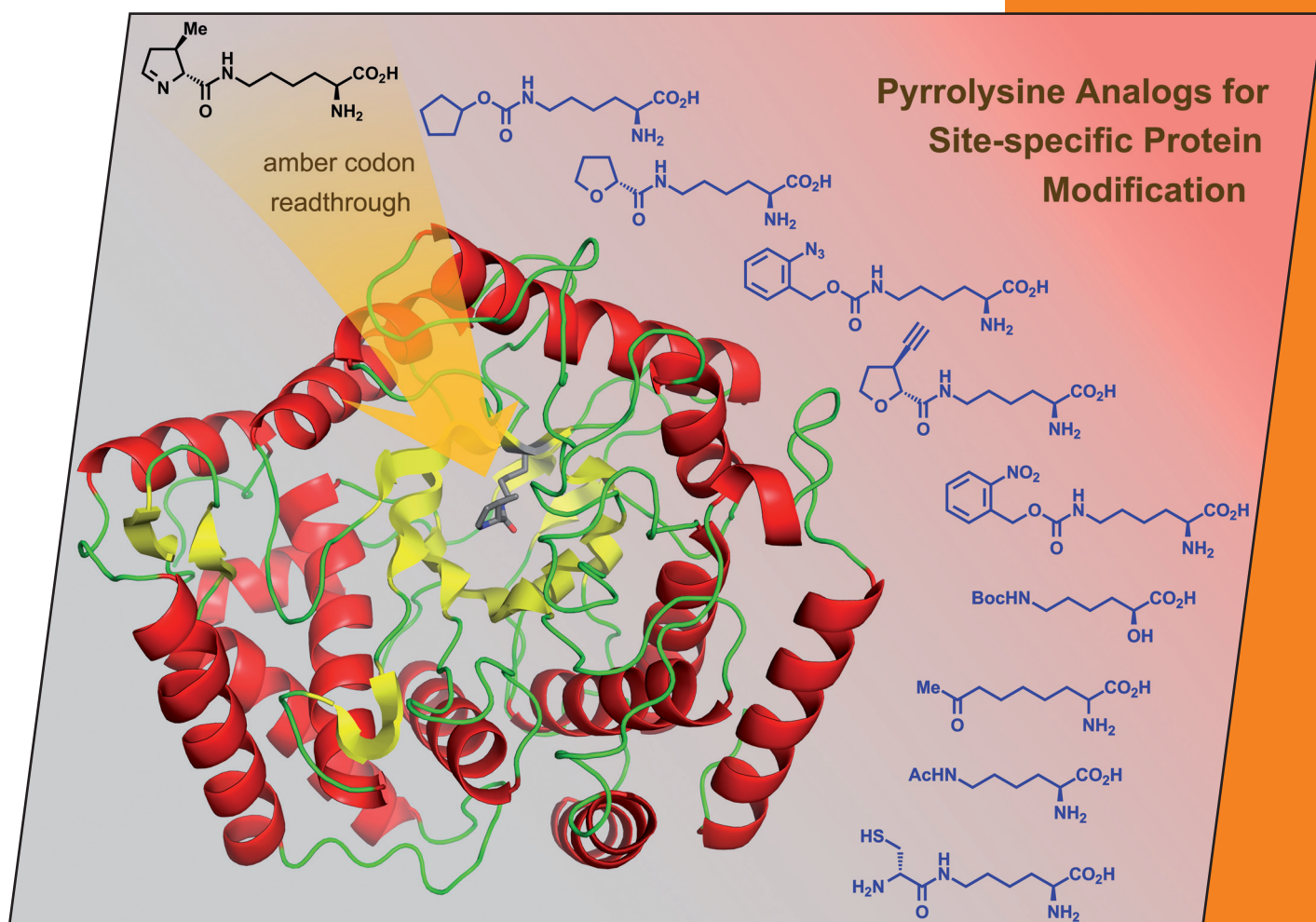


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EurJOC
European Journal of
Organic Chemistry

**Pyrrolysine Analogs for
Site-specific Protein
Modification**



Cover Picture / Microreview

Michael K. Chan et al.

Pyrrolysine Analogs for Translational Incorporation into Proteins

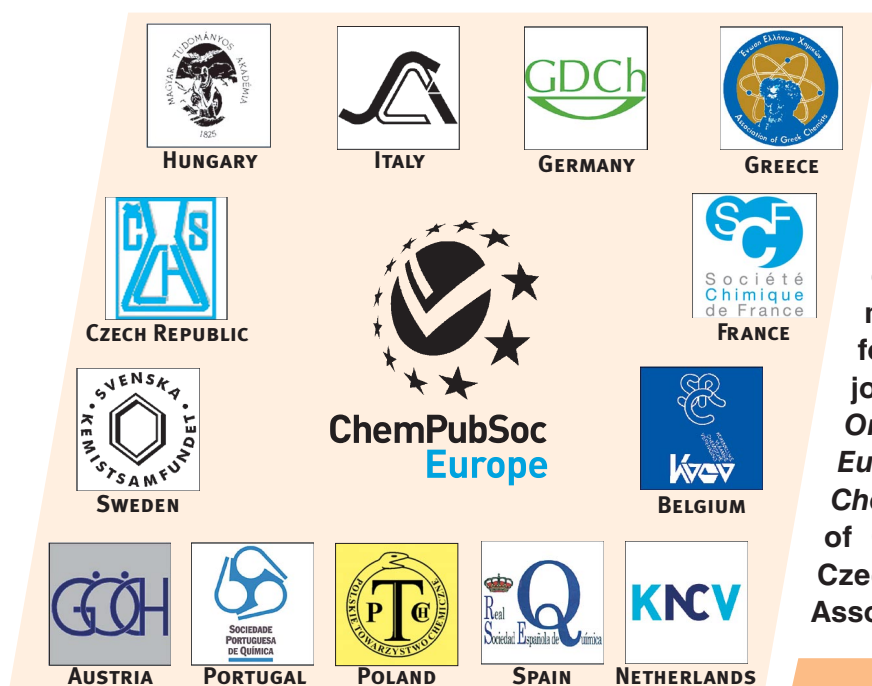
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COVER PICTURE

The cover picture shows the X-ray crystal structure of the monomethylamine methyltransferase from *Methanosarcina barkeri*. It was central to the discovery of pyrrolysine, the 22nd genetically encoded amino acid. The picture is also decorated with the structures of pyrrolysine and some of its analogs. They can be incorporated into proteins in response to an otherwise non-sense amber (UAG) codon upon action of pyrrolysyl-tRNA^{Pyl} synthetases from various *Methanosarcinaceae* working in tandem with their cognate tRNAs. Details are presented in the Microreview by M. K. Chan et al. on p. 4171ff. The scarlet-and-gray background represents the colors of The Ohio State University.

