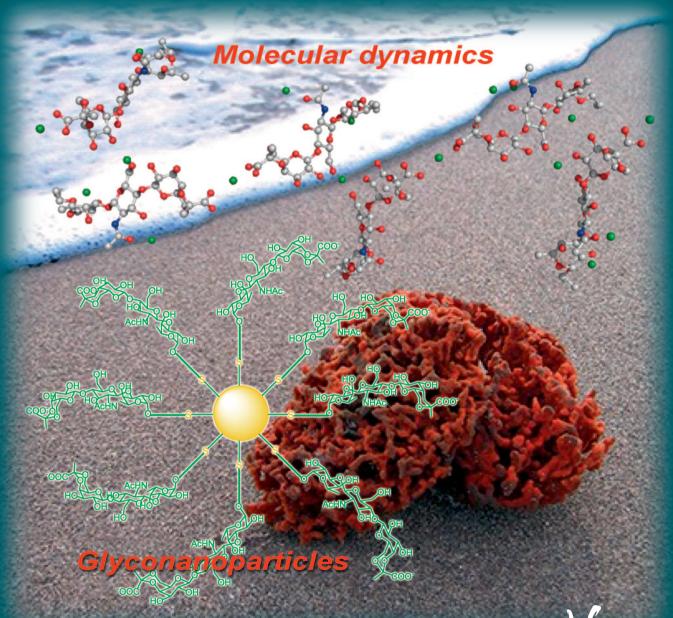
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Review: Riboswitches: Ancient and Promising Genetic Regulators (D. A. Lafontaine)

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Unwanted Frugivores (D. Spiteller)

Formylglycine Aldehyde Tag (T. Dierks)



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10th Volume

Cover Picture

J. Ignacio Santos, Adriana Carvalho de Souza, F. Javier Cañada, Sonsoles Martín-Santamaría*, Johannis P. Kamerling*, and Jesús Jiménez-Barbero*

The cover picture shows a 3D model, derived from molecular dynamics simulations, of the trisaccharides that result from the mutual interaction in solution of the synthetically prepared trisaccharide epitope of the marine sponge *Microciona prolifera* and gold glyconanoparticles, displaying the same sugar moiety, in the presence of calcium. As can be seen, the trisaccharides are gathered together by bridged calcium atoms, thus precluding the dissociation of the complex. The different trisaccharide entities interact in a parallel fashion and are layered in pairs. Thus, they show a segmental type of interaction that could explain the actual interaction in Nature of the native g-200 acidic glycan present in the MAFp3 glycoprotein, with the polysaccharide–polysaccharide interaction taking place via the trisaccharide epitopes. For further details, see the article by J. Kamerling, J. Jiménez-Barbero et al. on p. 511 ff. The picture of *Microciona prolifera was* taken from http://www.uniprot.org/taxonomy/27928

