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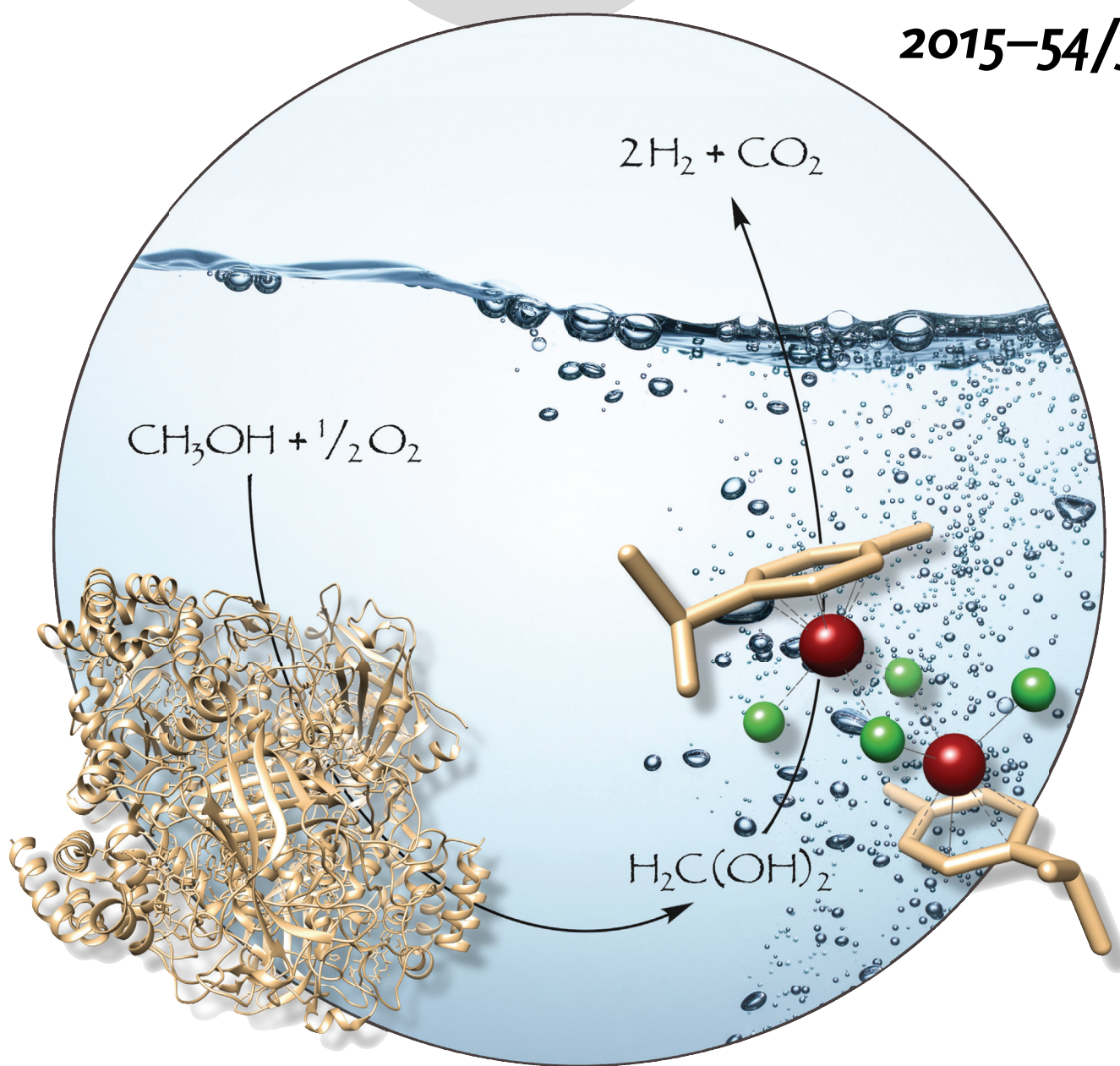
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The best of two worlds ...

... is exploited when methanol-oxidizing enzymes are combined with formaldehyde-reforming metal complexes. In their Communication on page 10308 ff., J. Deska, M. Prechtl et al. employ an organometallic formaldehyde dehydrogenase mimic to construct a methylotrophic in vitro metabolism. The interplay of biocatalytic MeOH activation with the transition-metal-catalyzed dehydrogenation provides a room-temperature path for the liberation of hydrogen gas from aqueous methanol.

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