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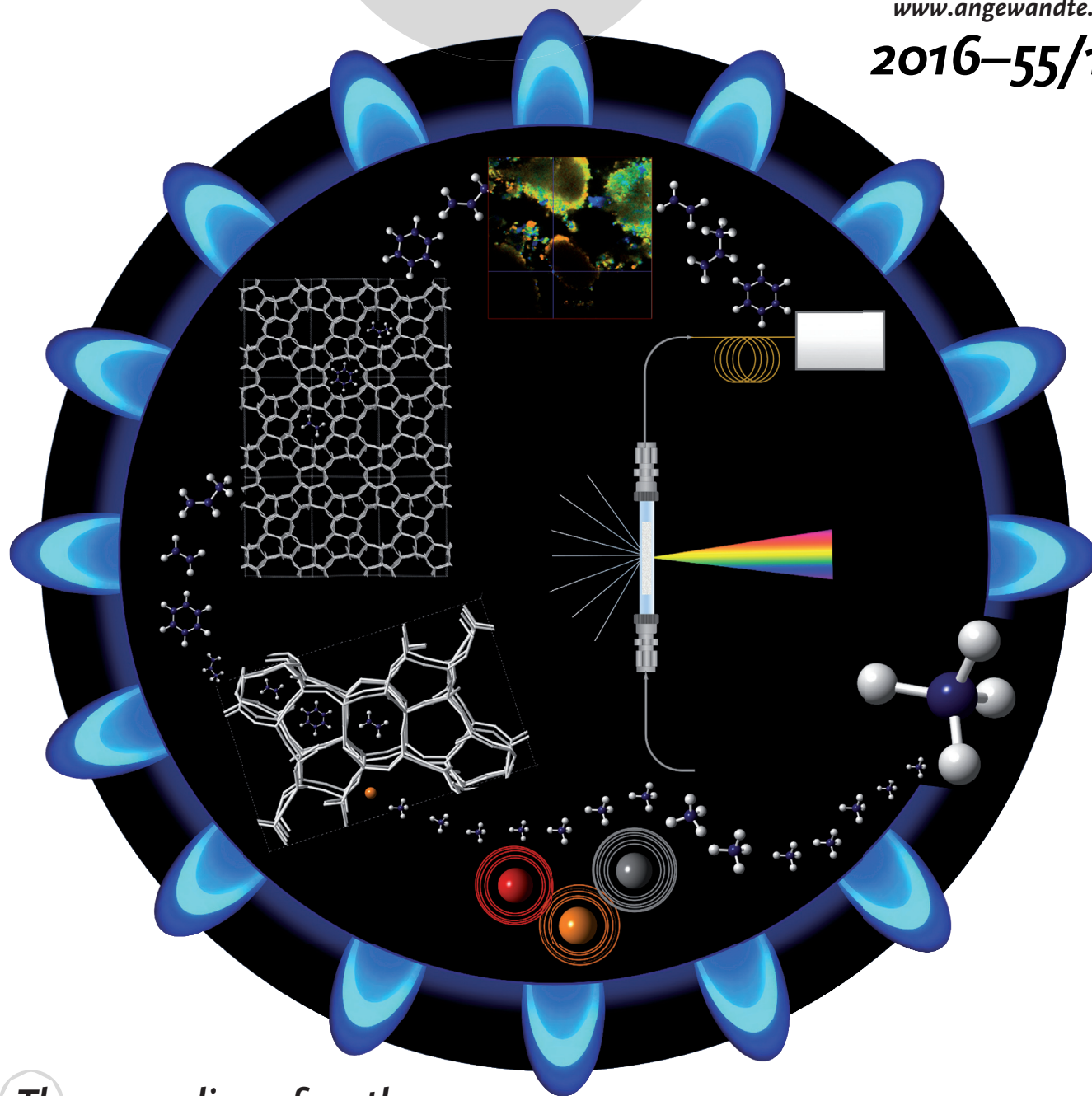
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The upgrading of methane ...

... into C_2 – C_6 hydrocarbons could prove a valuable alternative to oil as a source of platform chemicals. In their Communication on page 5215 ff., A. M. Beale, B. M. Weckhuysen et al. describe how a combination of operando X-ray methods and fluorescence lifetime imaging microscopy has been brought to bear on the well-known Mo-ZSM-5 zeolite to provide a detailed understanding of how the Mo site evolves during the catalytic conversion of methane and how this influences the reaction products.

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