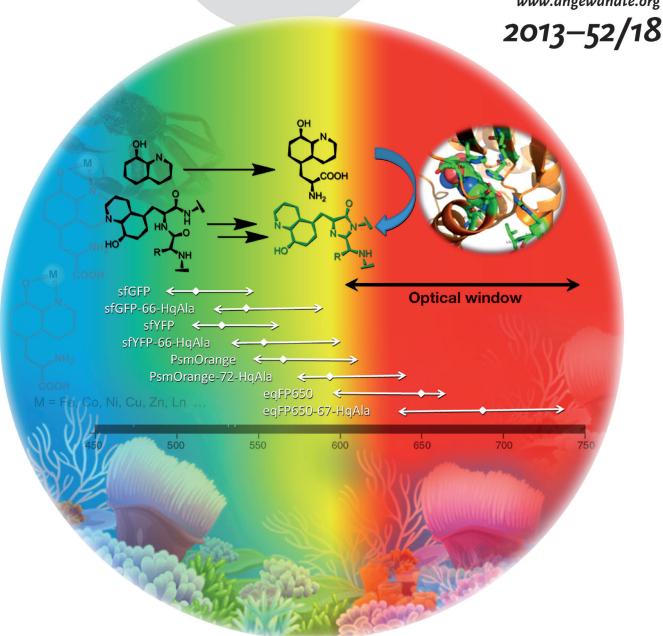
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A metal-chelating unnatural amino acid ...

... (UAA) with an 8-hydroxyquinoline functional group (HqAla) was enzymatically synthesized in one step. In their Communication on page 4805 ff., J. Y. Wang and coworkers show that incorporation of HqAla into fluorescent proteins shifts their emission maxima toward higher wavelengths (red-shifted). This UAA could be applied to engineering metalloproteins and brighter fluorescent proteins, as well as paramagnetic protein NMR spectroscopy.



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