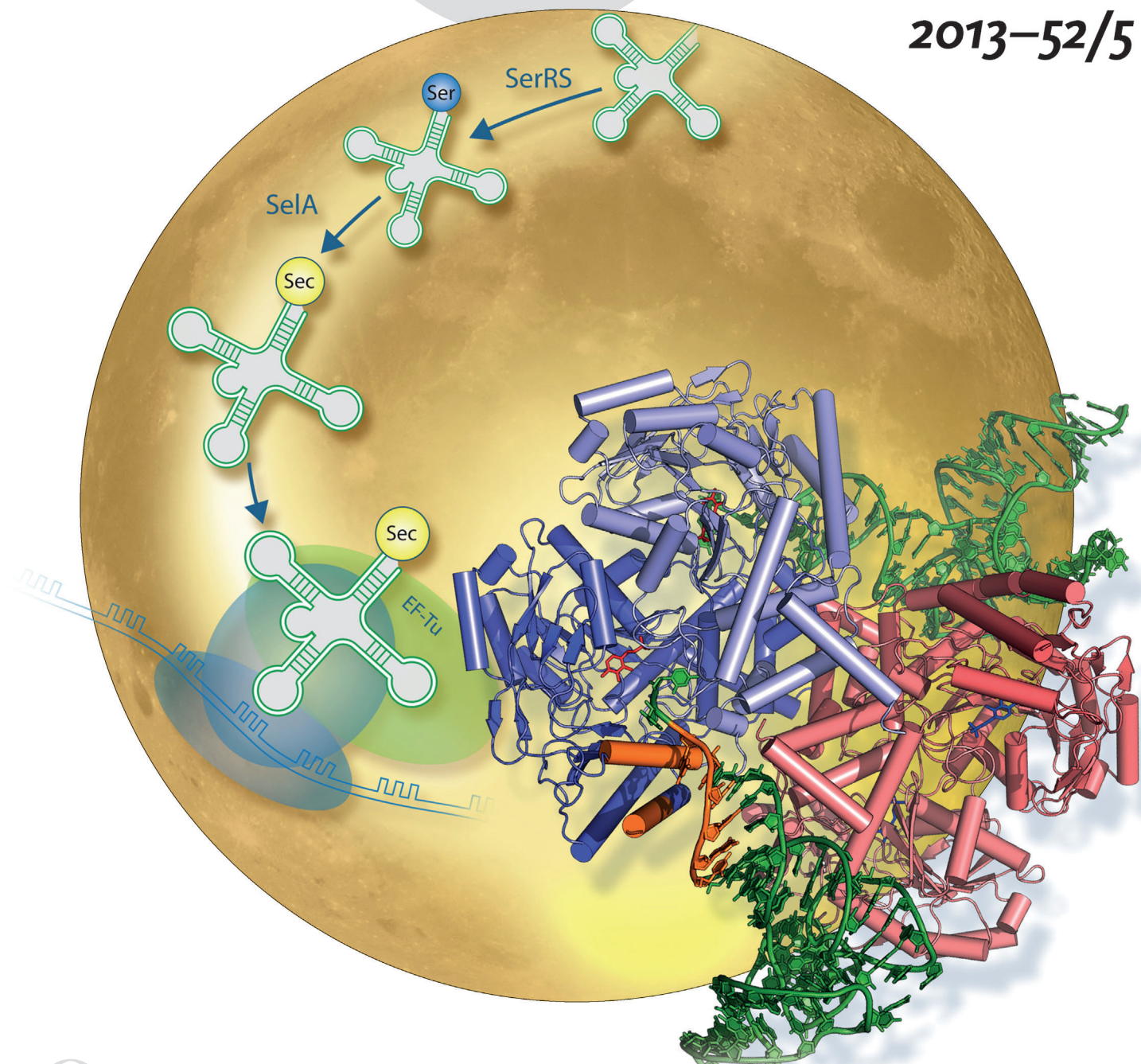


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## Synthetic tRNA for selenoprotein production ...

... is described by D. Söll et al. in their Communication on page 1441 ff. The tRNA is a substrate for three *E. coli* proteins: seryl-tRNA synthetase (SerRS), selenocysteine synthase (SelA) generating Sec-tRNA<sup>U<sup>Tu</sup></sup>, and EF-Tu for Sec-tRNA<sup>U<sup>Tu</sup></sup> transport to the ribosome, which allows site-specific Sec insertion into proteins. This system has general utility in protein engineering, molecular biology, and disease research.

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