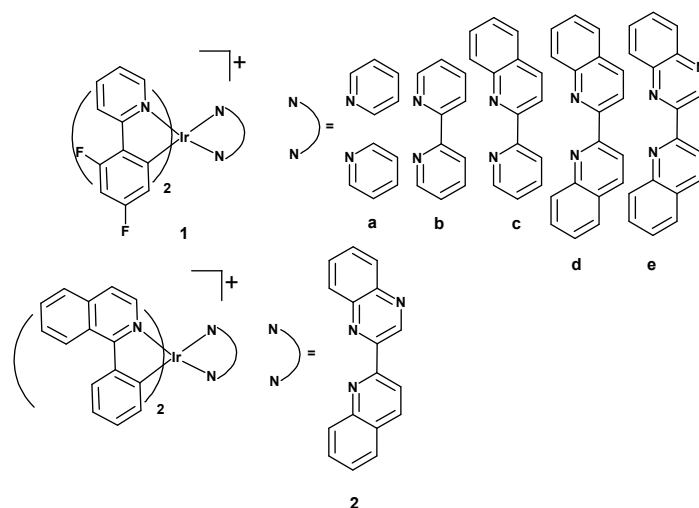


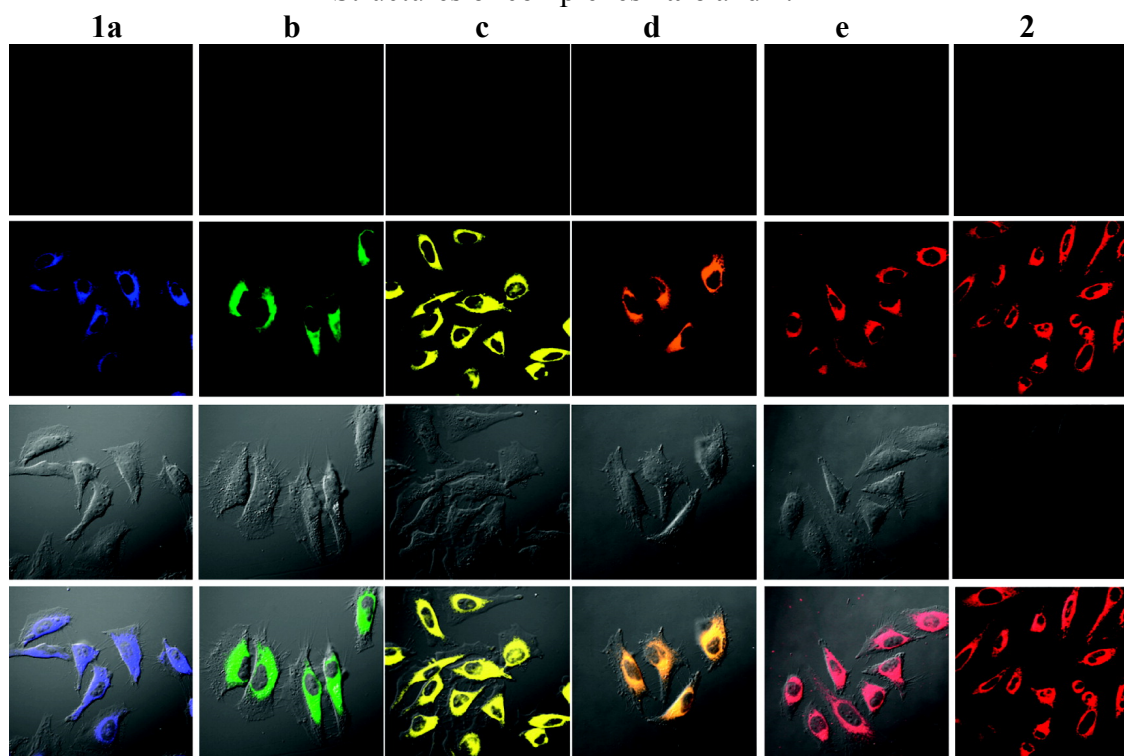
Complexes in Context: Attempting to Control the Cellular Uptake and Localisation of Rhenium *fac*-Tricarbonyl Polypyridyl Complexes.

Rebeca G. Balasingham, Michael P. Coogan and Flora L. Thorp-Greenwood*

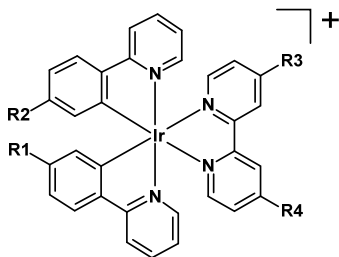
Electronic Supplementary Information



Structures of complexes **1a-e** and **2**.

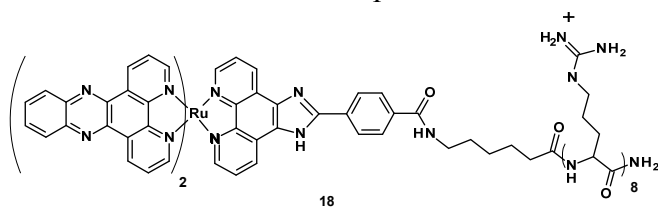


Confocal luminescence and bright-field images of HeLa cells: (a) cells without staining with **1a-e** and **2**; (b) cells incubated solely with 20 μM **1a** (or **1b-e** and **2**) in DMSO/PBS (pH 7, 1:49, v/v) for 10 min at 25 $^{\circ}\text{C}$; (c) DIC images of cells shown in (b); (d) overlay image of (b) and (c). The excitation wavelengths are 405 and 488 nm for complexes **1a-e** and complex **2**, respectively. Images and caption reproduced with permission from ref. 10.

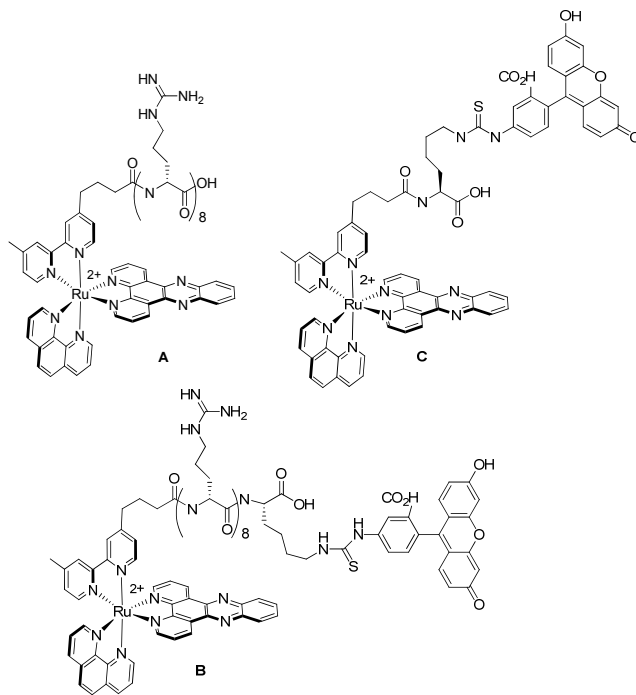


R1=R2= C6-Biotin	R3=R4= H	5
R1=R2= H	R3=R4= C2-Biotin	6
R1=R2= H	R3=R4= C2-CONH-C6-Biotin	7
R1=R2=R3= C6-Biotin	R4= Me	8
R1-R2= H	R3=R4= C4	9

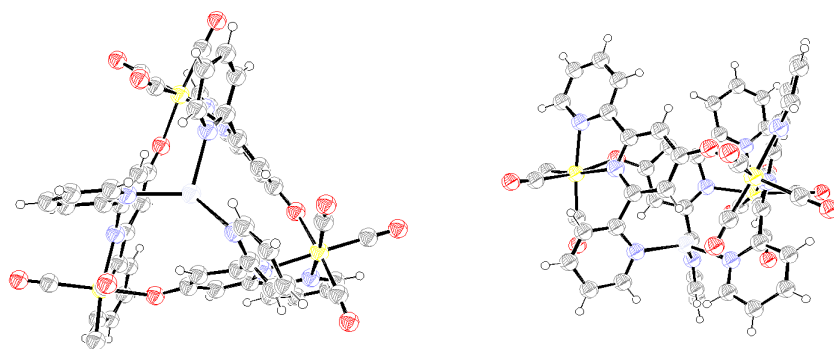
Structure of complexes **5-9**.



Structure of complex **18**



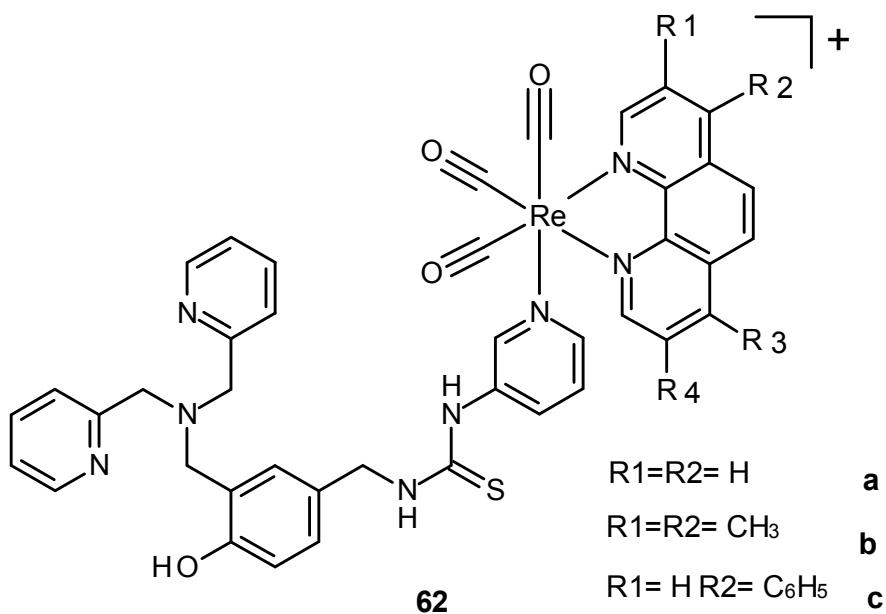
Structure of complexes **19 (A)**, **20 (B)** and **21 (C)**.



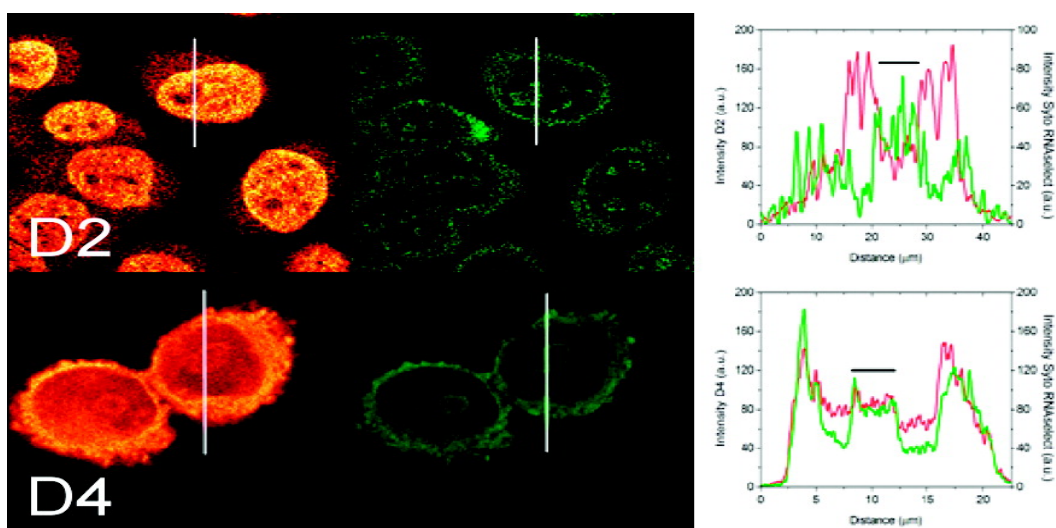
A

B

Crystal structure of complex **58**, A looking down the 'cup' B from outside.



Structure of complex **62**.



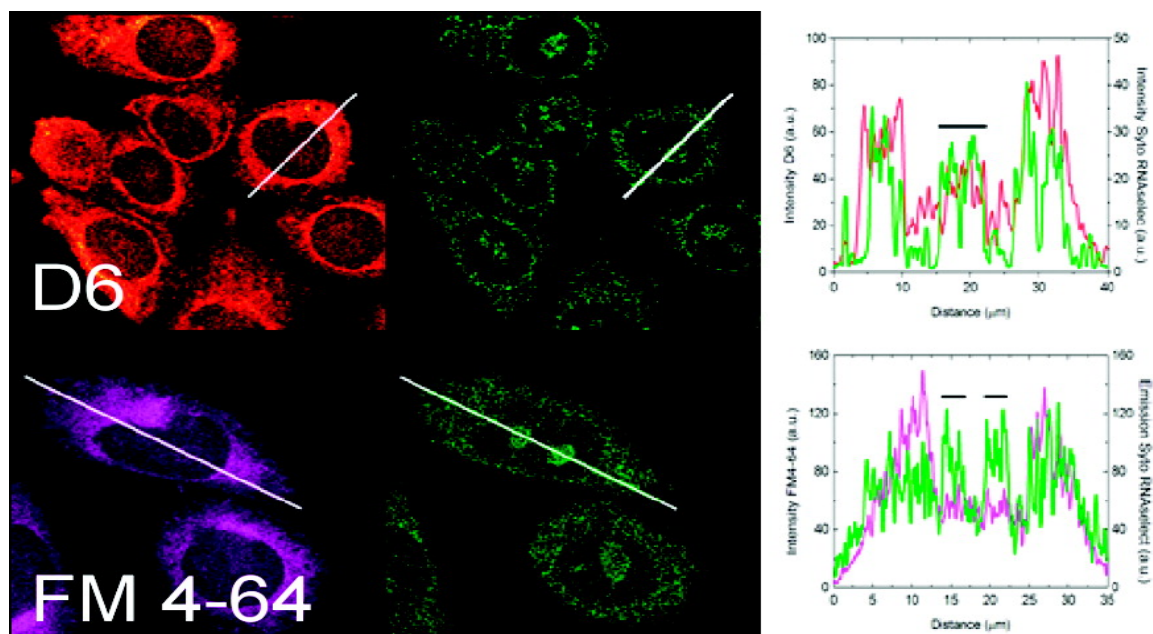
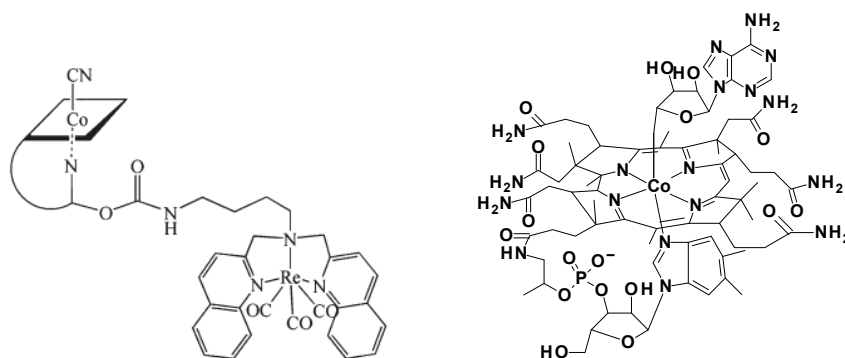


Fig. 9 Images of cells co-stained with complex **31-33** (red) FM 4-64 (purple) and “SytoRNA select” (green), with intensity profiles (same colour scheme). Reproduced with permission from ref. 36.



Structure of complex **64** reproduced with permission from ref. 68, with B₁₂ in cartoon form. Full molecular structure of cobalamine B₁₂ alongside.