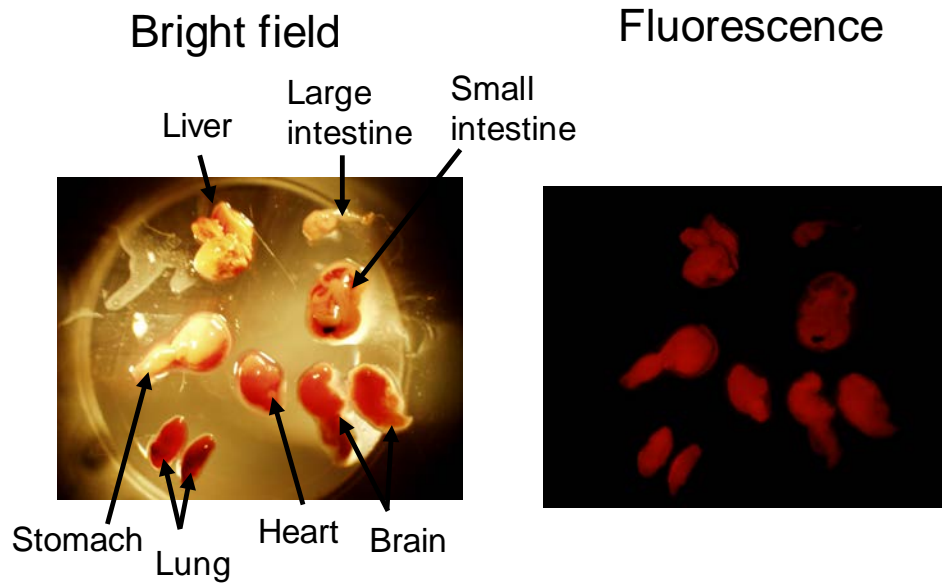


## Supplementary Information

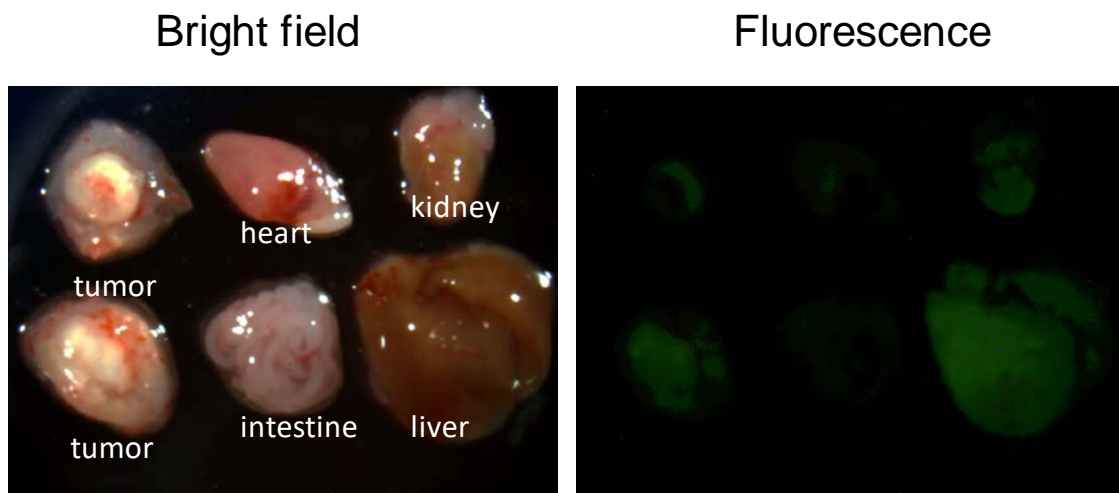
### Chick chorioallantoic membrane assay as an *in vivo* model to study the effect of nanoparticle-based anticancer drugs in ovarian cancer

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Supplementary Figure 1

Supplementary Figure 1: Non-specific delivery of free doxorubicin. Ov8GFP cells were used to establish tumor on the CAM membrane. Doxorubicin (50  $\mu\text{g}$ ) was injected intravenously and red fluorescence of internal organs was examined three days after the injection. Bright field (Left) and fluorescence field (right) are shown.



Supplementary Figure 2

Supplementary Figure 2: Non-specific biodistribution of PEI-coated PMO-2 nanoparticles. FITC labeled PMO-2 nanoparticles were surface coated with polyethyleneimine (PEI) according to the procedure described by Finlay et al (Nanomedicine 11, 1657, 2015)<sup>29</sup>. In brief, low molecular weight (1.8 kD branched polymer) polyethyleneimine (PEI) was electrostatically attached to the PMO-2 nanoparticle surface to provide positive charge. 0.5 mg of PEI-PMO-2 nanoparticles were injected intravenously into chicken egg with A549 tumor. Three days after the injection, various organs as well as tumor were cut out and biodistribution of PEI-PMO-2 was examined by green fluorescence of the nanoparticles.