

SUPPORTING INFORMATION

Biokinetics and clearance of inhaled gold ultrasmall-in-nano architectures

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Supplementary Figures and Tables

Figure S1

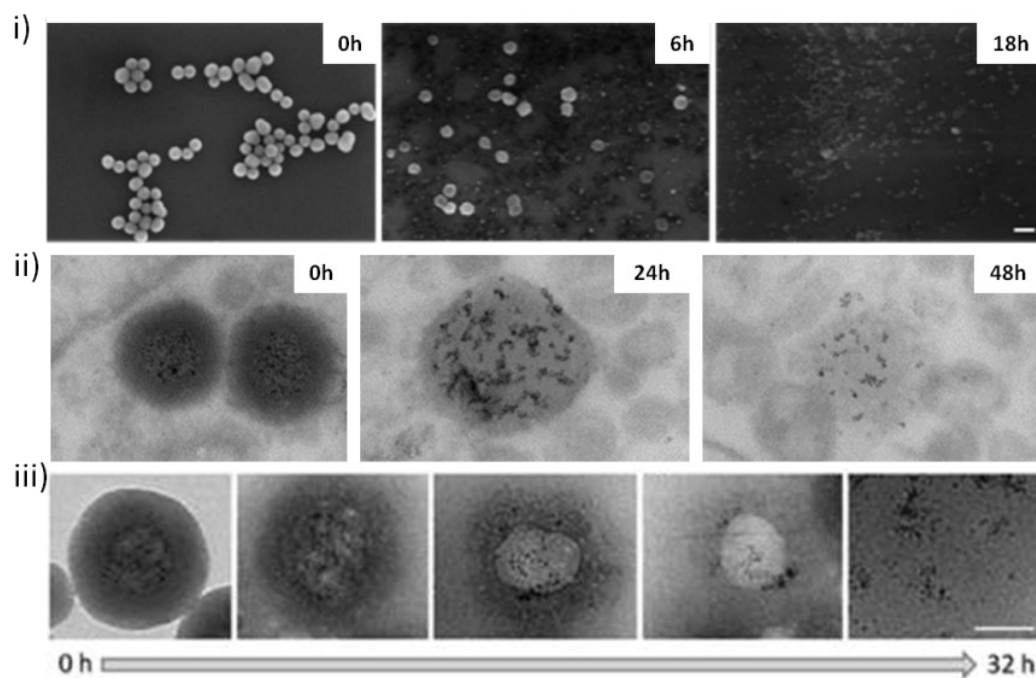


Figure S1 Electron microscopy imaging of NAs biodegradation in biological environment. i) 20% full human serum at 37 °C under stirring. ii) 2D-cultured MIA PaCa-2 cells. iii) full human blood at 37 °C under stirring.

Figure S2

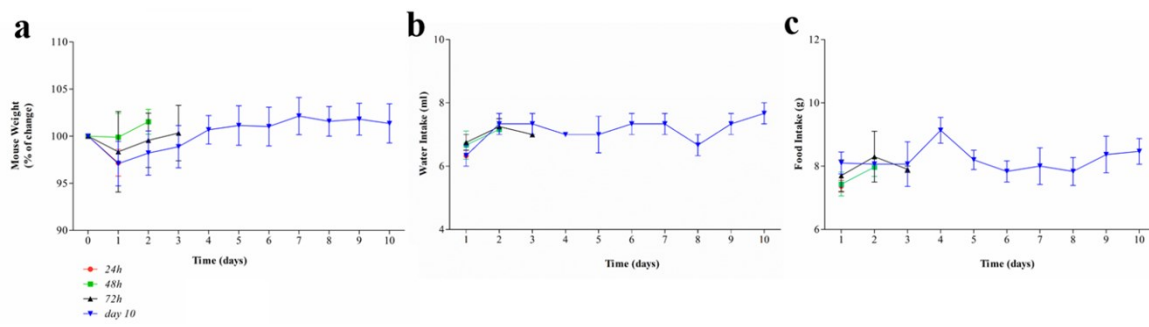


Figure S2 Body weight (a), Water intake (b), and Food intake (c) of the animal models after inhalation of NAs. No significant changes were observed in all measured parameters.

Figure S3

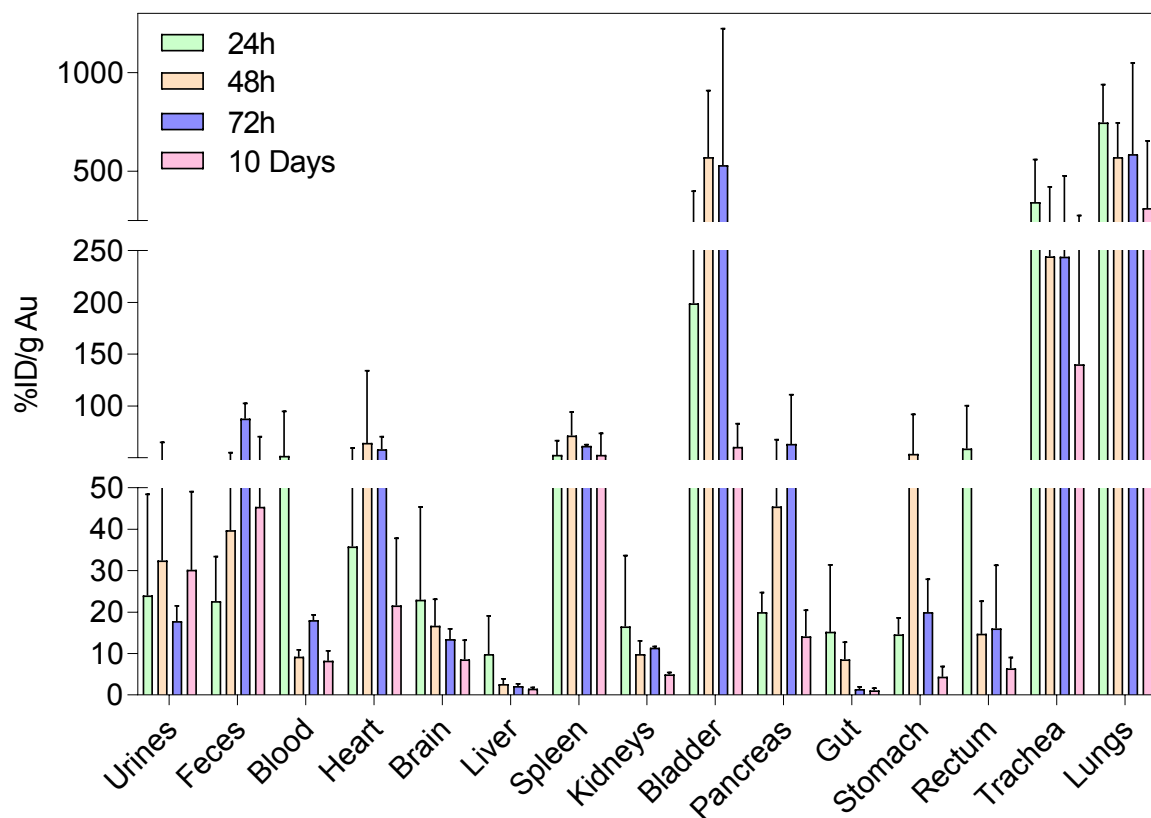


Figure S3 Gold biodistribution (%ID/g) in organs and excretions (urine and feces) determined by ICP-MS at the selected time points (n=3).

Figure S4

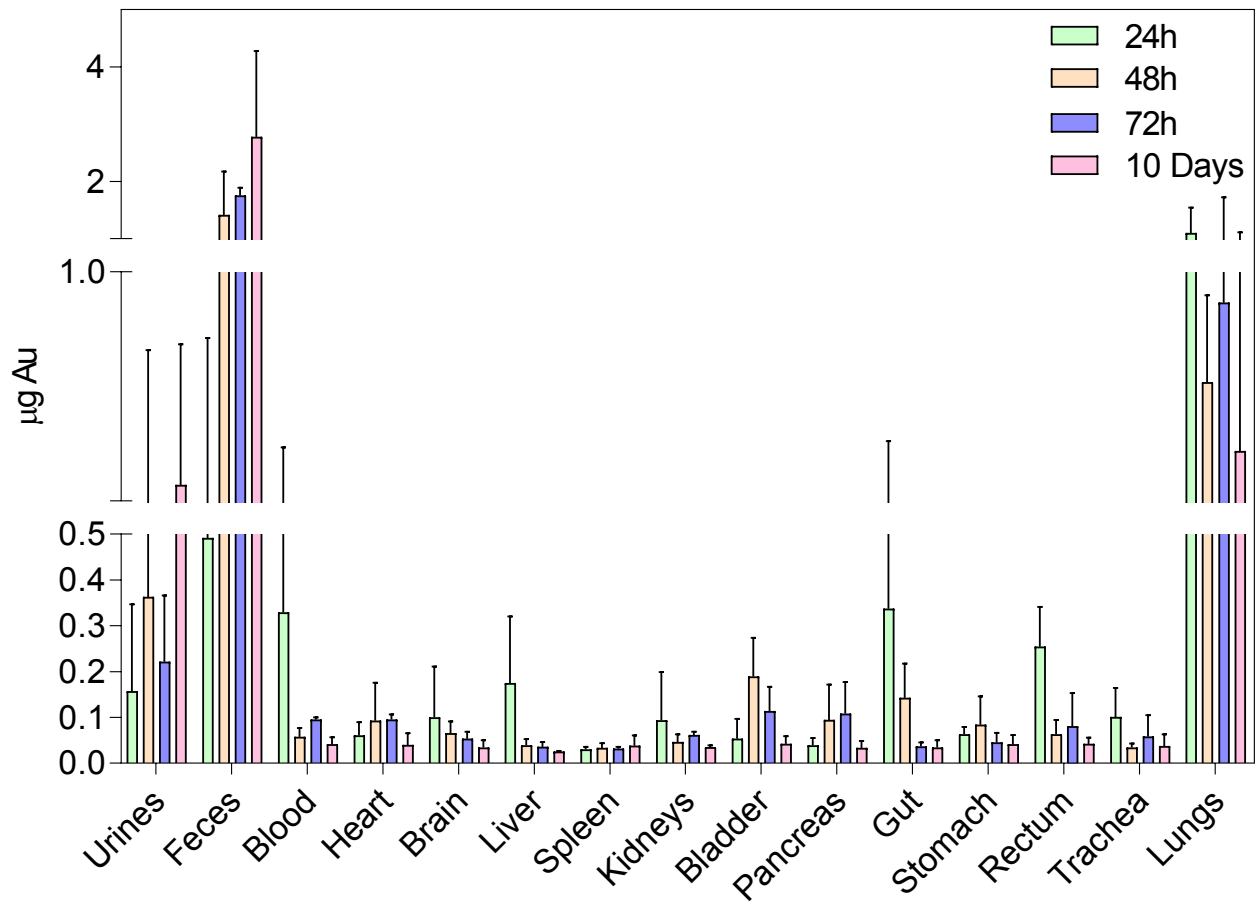


Figure S4 Biodistribution (μg) of gold in organs and in the excretions (urine and feces) determined by ICP-MS at the selected time points ($n=3$). The cumulative amount of gold detected was $3.8 \pm 1.0 \mu\text{g}$.

Figure S5

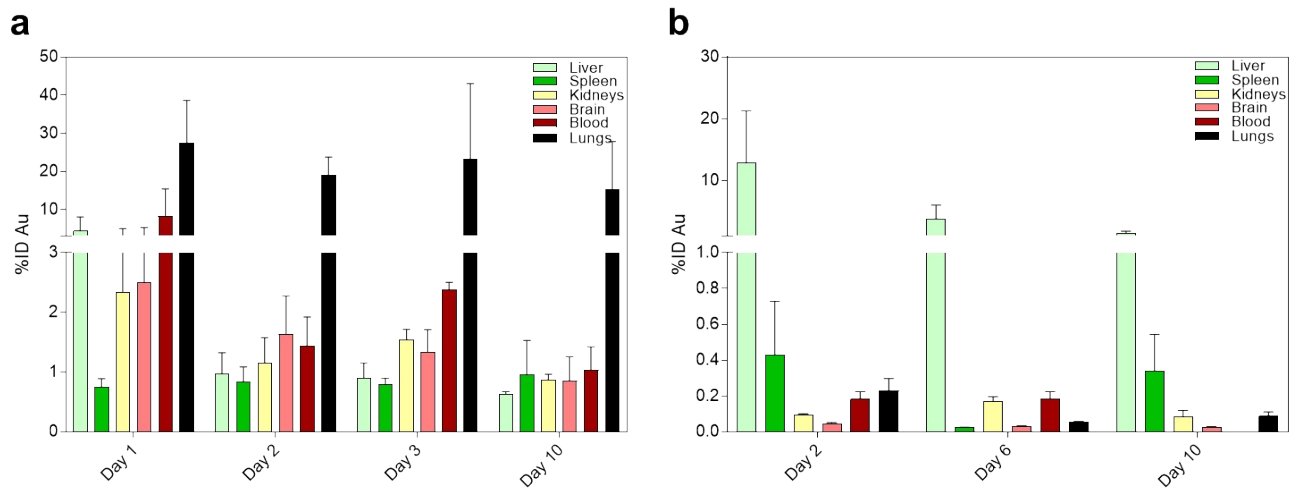


Figure S5 Gold biodistribution assessment (%ID) in the main organs over 10 days. (a) IN administration (b) IV administration

Figure S6

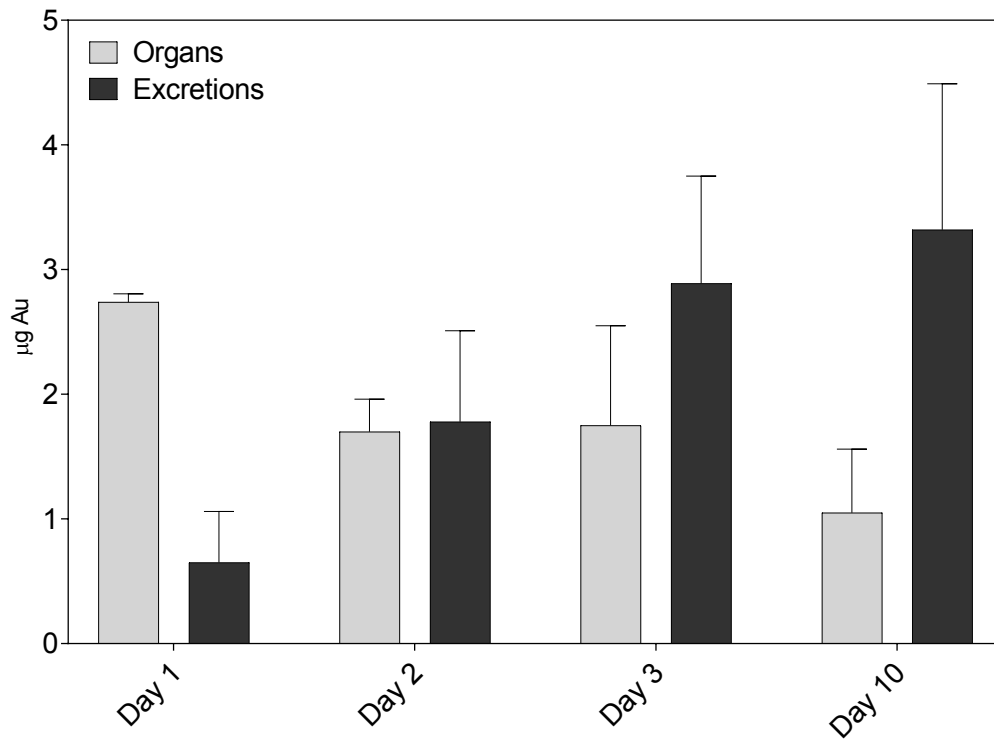


Figure S6 Amount (μg) of gold in organs (cumulative) and in the excretions (urine and feces, cumulative) determined by ICP-MS at the selected time points ($n=3$)

Figure S7

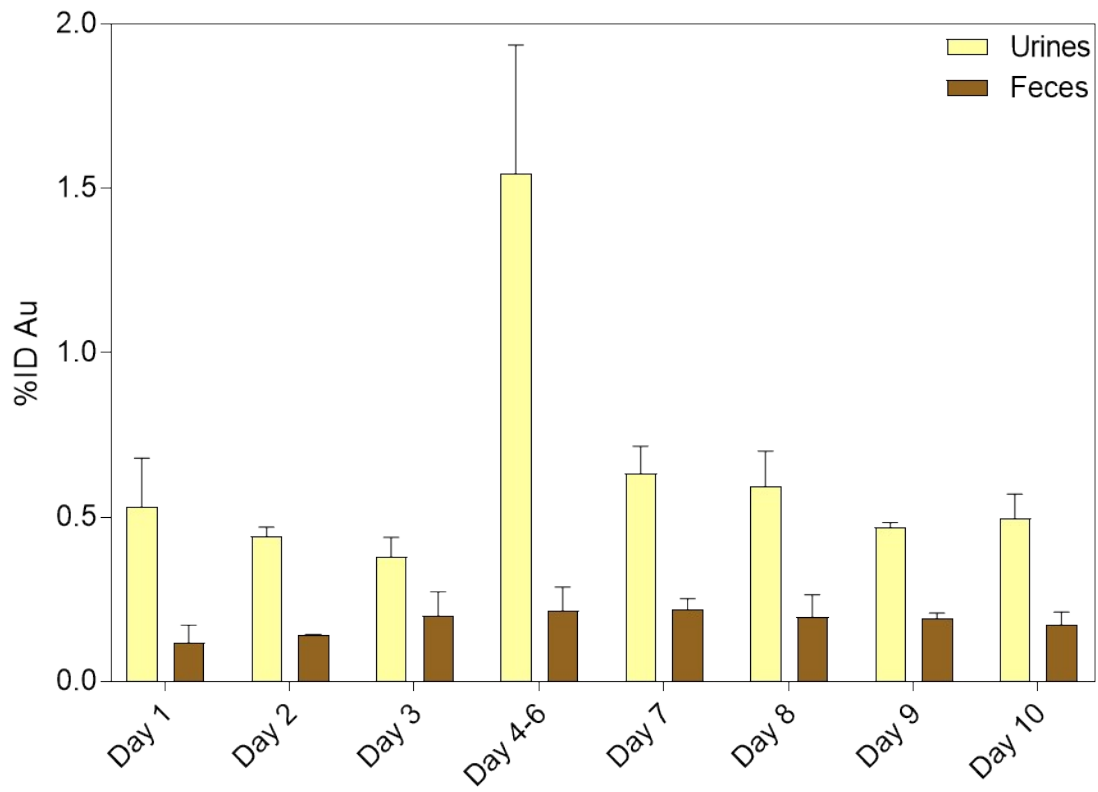


Figure S7 Daily distribution of gold determined by ICP-MS in urine and feces during 10 days after the intravenous administration of NAs