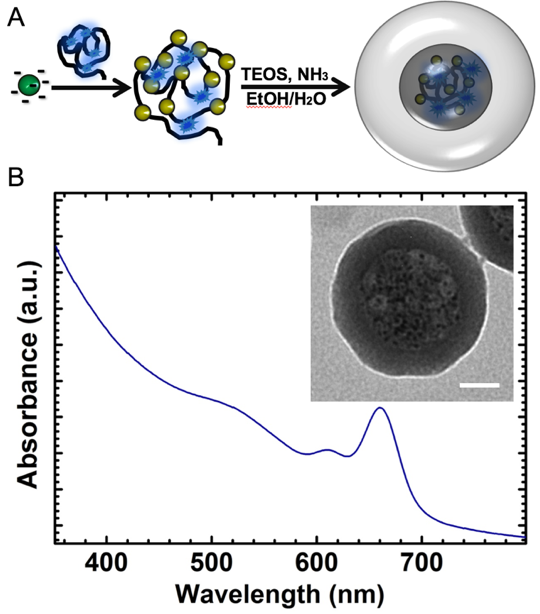
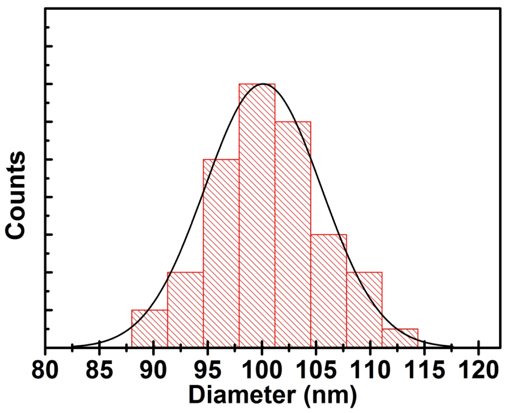
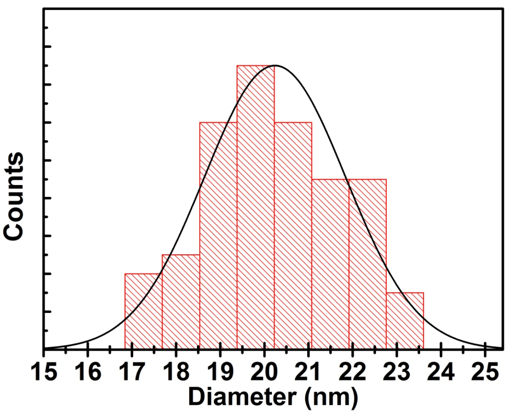
SUPPORTING INFORMATION

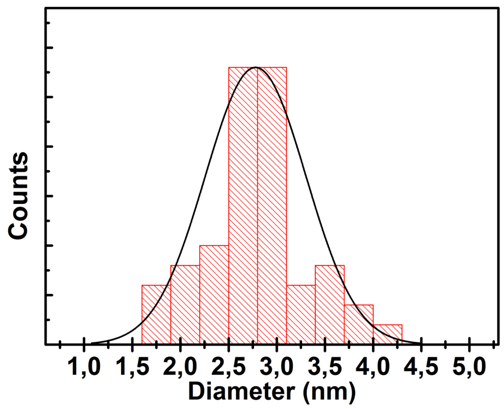
Biodistribution and biocompatibility of passion fruit-like nano-architectures in zebrafish

S1

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**Figure S1.** A) General scheme for the production of all-in-one NAs: negatively charged gold USNPs are assembled in aggregates employing dye-modified poly(L-lysine) (black line). The dye (blue clouds) is AlexaFluor647. The aggregates are employed for the formation of hollow silica nanocapsules by employing a modified Stöber method. B) UV-vis spectrum in PBS buffer of NAs. C) typical TEM image of NAs. Scale bar 25 nm.

S2



**Figure S2.** Size distribution histograms of gold USNPs (left), NAs (center), and NAs shell thickness (right) made on diameter measurements of at least 100 nanoparticles observed by TEM.

S3



**Figure S3.** Typical wide-area TEM image of NAs.



**Figure S4.** Development defects observed in zebrafish incubated with NAs, affecting head (A), tail (B), heart (C), yolk sac (D). Scale bars: 1 mm.