Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting information for

Dextran coated bismuth-iron oxide nanohybrid contrast agents for computed tomography and magnetic resonance imaging

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Figure S1

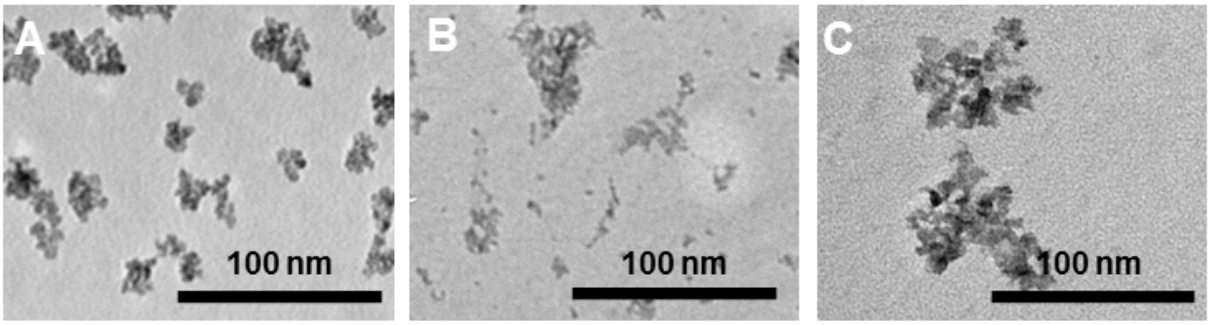

Figure S1. Transmission electron micrographs of BION. A) Bi-0 formulation synthesized without ethylene glycol. B) Bi-70, C) Bi-90.

Figure S2

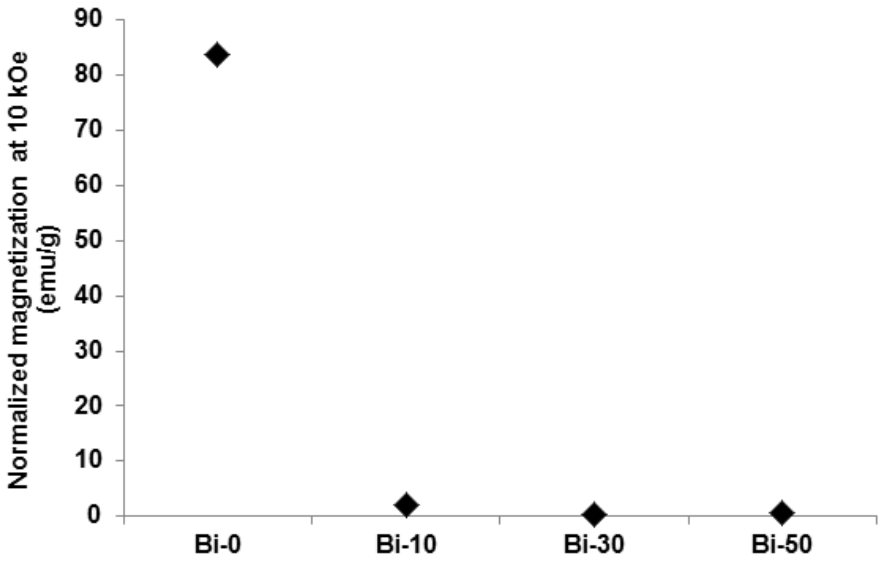

Figure S2. Saturation of magnetization for different BION formulations.

Figure S3

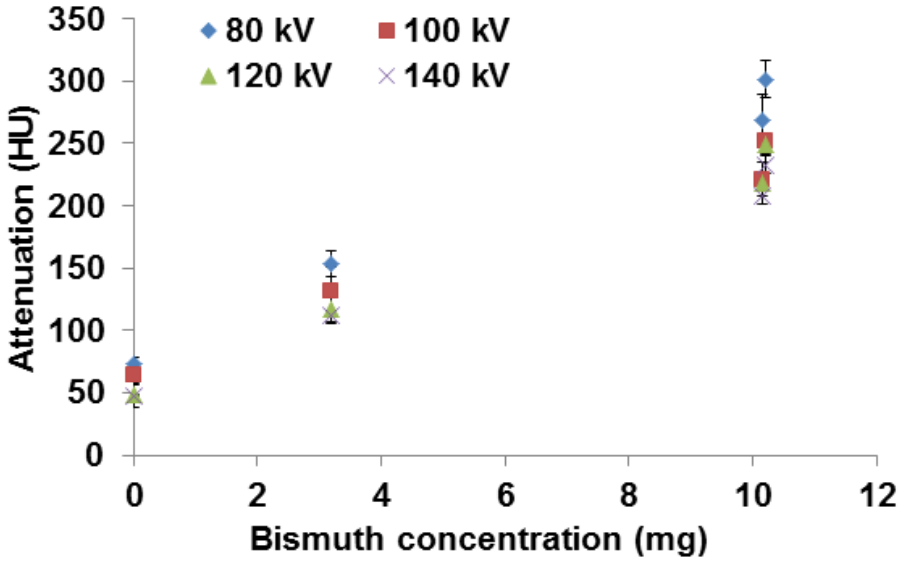

Figure S3. The attenuation of BION as a function of bismuth content and X-ray tube voltage (80-140 kV).

Figure S4

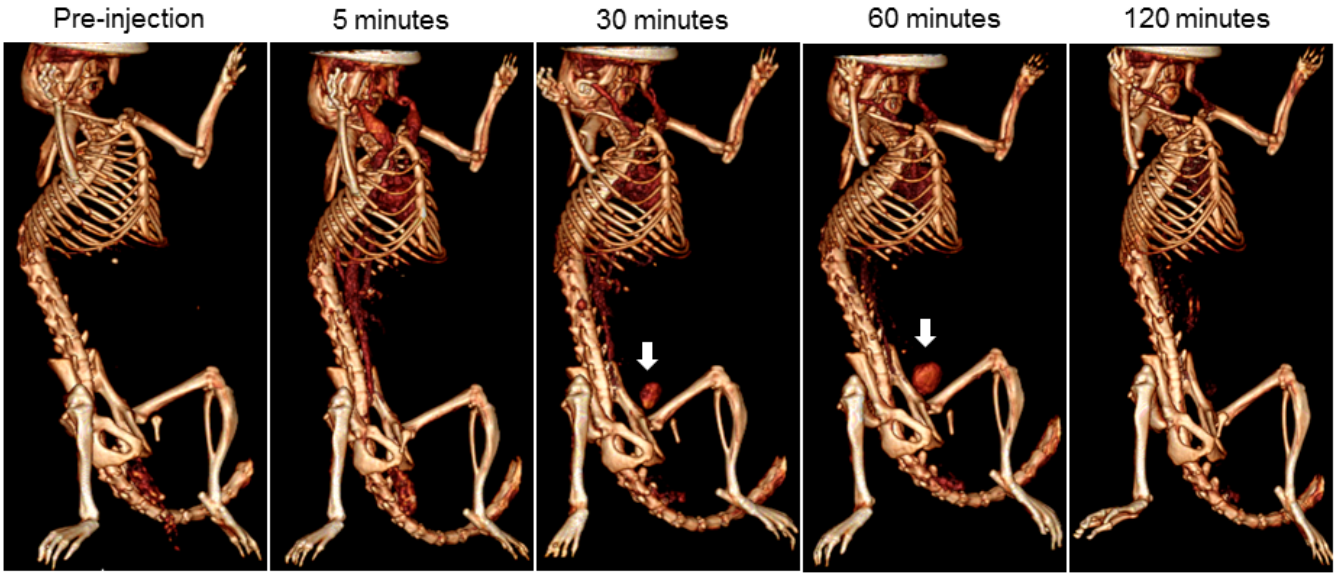

Figure S4. Whole animal CT images of mice pre and post-injection with BION (Bi-30 formulation). Arrow indicates the bladder.

Figure S5

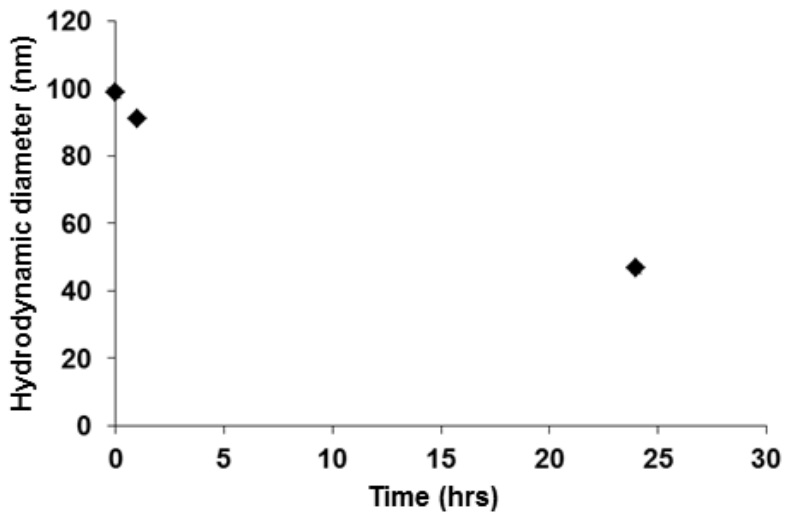

Figure S5. Hydrodynamic diameter of Bi-30 after incubation with 10% FBS at 37 °C for 0, 1 and 24 hours.

Table S1

Ring	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Fe_3O_4	4.89	2.97	2.55	2.1	1.74	1.63	1.5	1.32	1.28	1.2
Bi-0	na	3.00	2.57	2.15	na	1.62	1.51	1.31	1.24	1.20
Bi-30			2.53				1.49			
Fe-70	na	2.93	2.49	2.11	1.71	1.60	1.47	na	1.29	na

Table S1. Diffraction d-spacings calculated from SAED data for the samples and from the PDF database for Fe_3O_4.