

Magnetite day

International symposium

5 July 2022, Grenoble (France)
ISTerre, Université Grenoble Alpes
Killian amphitheater

Time	Speaker	Title
09:00 – 09:30		Welcome & coffee
09:30 – 10:00	Damien Faivre	Formation Pathways of Biological and Synthetic Magnetite
10:00 – 10:30	Tsz Ho Chiu	Magnetite: Synthesis, Modification and Applications
10:30 – 11:00	Alejandro Fernandez-Martinez	Redox reactivity of nanomagnetite towards anionic radionuclides
11:00 – 11:15		Coffee break
11:15 – 11:45	François Guyot	Bacterial nanomagnetites as indicator phases of thermodynamic properties of complex biological media
11:45 – 12:15	Kaifeng Wang	Se(VI) and Re(VII) retention by magnetite
12:15 – 13:30		Lunch break
13:30 – 14:00	Sylvie Begin	Engeneering of iron oxide based theranostic nanoplatforms for cancer treatment
14:00 – 14:30	Alain Laurent	Uses of magnetic nanomaterials in the field of molecular diagnostics assays
14:30 – 15:00	Camille Crouzet	Applications of magnetite and ferrite nanoparticles: insights from a startup company
15:00 – 15:15		Coffee break
15:10 – 15:45	Cecile Gautheron	U and Th characterization in natural and synthetic magnetite: implication for the (U-Th)/He chronometer
15:45 – 16:15	Kevin Rosso	Structure and redox reactivity of titanomagnetite nanoparticles
16:15 – 16:45		Discussion & concluding remarks