



Fig. 1 A layout of the laboratory, four *pedagogical spaces* (a–d) and the discourse trajectory (Episode 2) of introducing Petri dishes’ bacteria colonies on the first day of the lab internship. The laboratory includes five rooms (i.e., Staff office, Scientist head office, Lab 1, Lab 2, and Lab 3). Students resided in Space A and B on the first day, Space C for the entire lab internship (i.e., 4 days) and Space D on the fourth day of their lab internship. (Black squares indicate the location of doors; gray squares indicate the location of furniture or equipment; black circle with white number 1–4 indicate the 4 days of the lab internship)