Jerome Bibette, Ph.D. is a Professor at Ecole Supérieure de Physique et Chimie Industrielles de la ville de Paris, (ESPCI), from 2001-present, and the Director of the Colloids and Divided Materials Laboratory in ESPCI. He founded this new laboratory in 2001. Major research accomplishments include, i) invented the first route to prepare Brownian monodisperse emulsions, ii) and from these new colloids demonstrated various important interaction and phase transition mechanisms in colloidal science, iii) invented and develop the first technique to directly probe force distance profiles between colloidal particles, iv) developed a general understanding of metastability and coalescence of emulsions, v) developed tools for production as well as a general understanding of controlled emulsification by shear, and applied it to double emulsion and magnetic emulsion large scale preparation.

From this Jerome Bibette founded Ademtech in 2000, a biotech company specializing in the preparation of magnetic particles for diagnosis and molecular biology and Raindance Technologies in 2004, a biotech company specializing in the digital microfluidic for high throughput screening, vi) developed new magnetic colloids from emulsion and invented new techniques based on self assembling of these particles for DNA separation in microfluidic and ultra rapid proteins detection, vii) developed new techniques to probe single biocomplex elasticity and recognition rate, and evidenced the first micoscopic swimming device from these structures, Viii) and finally set the basis for mimicking the diversity of isomers by using colloids. Honors and awards include Member of Institut Universitaire de France, and the Silver Medal of CNRS in Chemistry.