The following contributions are the written versions of six lectures, which were held during a small conference in the Allard Pierson Museum, Amsterdam. The conference itself was a rather spontaneous spin-off from a joint research project of the Allard Pierson Museum and the Academic Medical Centre (Academisch Medisch Centrum), both of the University of Amsterdam. It was organised by M.M. Wagenaar, head of the educational department of the Allard Pierson Museum, and J.F.W. Koens, under the Dutch title “In de greep van de mummie”. Each day, some 40 people attended the lectures and actively contributed to the discussions. The six articles offer a good overview of the various research methods applied in the study of human remains, in particular of Egyptian mummies, and of objects related to them (scarabs). Some of the methods have been especially developed in the course of the joint research project and are presented here for the first time.