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| Nota di contenuto       | Front matter -- Contents -- Preface -- Genetics -- Consequences of population expansions on European genetic diversity / Currat, Mathias -- Domestication and migrations: Using mitochondrial DNA to infer domestication processes of goats and horses / Gerbault, Pascale / Leonardi, Michela / Powell, Adam / Weber, Christine / Benecke, Norbert / Burger, Joachim / Thomas, Mark G. -- Using pigs as a proxy to reconstruct patterns of human migration / Larson, Greger -- Poor DNA preservation in bovine remains excavated at Pre-Pottery Neolithic Göbekli Tepe (Southeast Turkey): Brief communication / Wiechmann, Ingrid -- The arrival of domesticated animals in South-Eastern Europe as seen from ancient DNA / Scheu, Amelie / Geörg, Christina / Schulz, Anna / Burger, Joachim / Benecke, Norbert -- Population dynamics, cultural evolution and climate change in pre-Columbian western South America / Fehren-Schmitz, Lars -- Stable isotopes and genetics -- Prehistoric populations of Ukraine: Migration at the later Mesolithic to |

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## Sommario/riassunto

Migrations and population dynamics are considered very problematic topics in the fields of ancient studies. Recent scholarship in (pre) historical population has generated new impulses by using scientific approaches using radiogenic and stable isotopes, and palaeogenetics, as well as computer simulation. As a result, the state of migration research has undergone rapid change. Several research groups presented papers at a conference held in Berlin in 2010, addressing specific historical aspects of population dynamics and migration, with no chronological or geographical restrictions, in the light of cutting-edge bio-archaeological research. This volume, divided into three

larger thematic sections (isotope analysis, population genetics, and modelling and computer simulation), presents experiences and insights about methodological approaches, research results and prospects for future research in this area in a varied collection of papers. Scholars from widely diverse scientific disciplines present their approaches, findings and interpretations to an audience far broader than the circles of the individual disciplines.

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