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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

Neolithic transition / Lillie, Malcolm C. / Potekhina, Inna / Budd, Chelsea / Nikitin, Alexey G. -- Human migrations in the southern region of the West Siberian Plain during the Bronze Age: Archaeological, palaeogenetic and anthropological data / Molodin, Vyacheslav I. / Pilipenko, Alexander S. / Romaschenko, Aida G / Zhuravlev, Anton A. / Trapezov, Rostislav O. / Chikisheva, Tatiana A. / Pozdnyakov, Dmitriy V. -- Verifying archaeological hypotheses: Investigations on origin and genealogical lineages of a privileged society in Upper Bavaria from Imperial Roman times (Erding, Klettthamer Feld) / Sofeso, Christina / Vohberger, Marina / Wisnowsky, Annika / Päßgen, Bernd / Harbeck, Michaela -- Stable isotopes -- The emergence of the LBK: Migration, memory and meaning at the transition to agriculture / Zvelebil, Marek / Lillie, Malcolm C. / Montgomery, Janet / Lukes, Alena / Pettitt, Paul / Richards, Mike P. -- "Widely travelled people" at Herxheim? Sr isotopes as indicators of mobility / Turck, Rouven / Kober, Bernd / Kontny, Johanna / Haack, Fabian / Zeeb-Lanz, Andrea -- Identifying kurgan graves in Eastern Hungary: A burial mound in the light of strontium and oxygen isotope analysis / Gerling, Claudia / Heyd, Volker / Pike, Alistair / Bánffy, Eszter / Dani, János / Köhler, Kitty / Kulcsár, Gabriella / Kaiser, Elke / Schier, Wolfram -- Isotope ratio study of Bronze Age samples from the Eurasian Caspian Steppes / Shishlina, Natalia / Sevastyanov, Vyacheslav / Hedges, Robert E.M. -- Migration and mobility in the latest Neolithic of the Traisen Valley, Lower Austria: Sr isotope analysis / Irrgeher, Johanna / Teschler-Nicola, Maria / Leutgeb, Katrin / Weiß, Christopher / Kern, Daniela / Prohaska, Thomas -- Migration and mobility in the latest Neolithic of the Traisen valley, Lower Austria: Archaeology / Kern, Daniela -- Life-course reconstruction for mobile individuals in an Early Bronze Age society in Central Europe: Concept of the project and first results for the cemetery of Singen (Germany) / Koch, Julia K. / Kupke, Katharina -- Late Minoan IB destructions and cultural upheaval on Crete: A bioarchaeological perspective / Nafplioti, Argyro -- Strontium isotopes in faunal remains: Evidence of the strategies for land use at the Iron Age site Eberdingen-Hochdorf (Baden-Württemberg, Germany) / Stephan, Elisabeth / Knipper, Corina / Schatz, Kristine / Price, T. Douglas / Hegner, Ernst -- Mobility in Thuringia or mobile Thuringians: A strontium isotope study from early medieval Central Germany / Knipper, Corina / Maurer, Anne-France / Peters, Daniel / Meyer, Christian / Brauns, Michael / Galer, Stephen J.G. / von Freeden, Uta / Schöne, Bernd / Meller, Harald / Alt, Kurt W. -- Isotopes and mobility: Case studies with large samples / Price, T. Douglas / Frei, Karin Margarita / Tiesler, Vera / Gestsdóttir, Hildur -- Missing in action during the Thirty Years' War: Provenance of soldiers from the Wittstock battlefield, October 4, 1636. An investigation of stable strontium and oxygen isotopes / Grupe, Gisela / Eickhoff, Sabine / Grothe, Anja / Jungklaus, Bettina / Lutz, Alexander -- Migration and mobility in the circum-Caribbean: Integrating archaeology and isotopic analysis / Laffoon, Jason E. / Hoogland, Menno L. P.

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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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