

CURRICULUM VITAE OF MARIO NOVAK

2023

PROFESSIONAL AFFILIATION AND CONTACT INFORMATION

Contact Information

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BIRTH

22/07/1977, Kutina, Republic of Croatia

EDUCATION

2008 PhD Archaeology; University of Zagreb, Faculty of Humanities and Social Sciences, Croatia.

2004 MSc Archaeology; University of Zagreb, Faculty of Humanities and Social Sciences, Croatia.

2001 BA Archaeology/History; University of Zagreb, Faculty of Humanities and Social Sciences, Croatia.

PROFESSIONAL APPOINTMENTS

2021-2023 Assistant Director for International Collaboration, Institute for Anthropological Research, Zagreb, Croatia.

2021 - Senior Research Associate, Institute for Anthropological Research, Zagreb, Croatia.

2020 - Graduate Faculty Scholar, College of Graduate Studies, University of Central Florida, USA.

2020 - Head of the Laboratory for Evolutionary Anthropology and Bioarchaeology, Institute for Anthropological Research, Zagreb, Croatia.

Past

2015-2021 *Research Associate*, Institute for Anthropological Research, Zagreb, Croatia.

2013-2015 *Postdoctoral Researcher*, School of Archaeology, University College Dublin, Ireland.

2008-2013 *Postdoctoral Researcher*, Anthropological Centre, Croatian Academy of Science

and Arts, Zagreb, Croatia.

2002-2008 *PhD Researcher*; Anthropological Centre, Croatian Academy of Science and Arts, Zagreb, Croatia.

EDITORIAL APPOINTMENTS

2023 *Review Editor*, *Frontiers in Environmental Archaeology*

2023 *Editor-in-Chief*, *Journal of Bioanthropology*

2020 *Editorial Board Member*, *American Journal of Biological Anthropology*, *Acta Palaeomedica – International Journal of Palaeomedicine*, *Journal of Bioanthropology*

2018 *Academic Editor*, PLoS ONE

RESEARCH AND CREATIVE ACTIVITY

Summary of peer-reviewed research: 1 co-authored monograph, over 115 journal articles, and 19 book chapters, and over 100 conference presentations.

Research interests: bioarchaeology, paleopathology, diet reconstruction, stable isotopes analysis, ancient DNA, Central European archaeology, Mediterranean archaeology, prehistory.

Number of citations, December 2023

Google Scholar: 6432, h-index 26

Web of Science: 3158, h-index 19

Scopus: 3687, h-index 21

SCIENTIFIC PROJECTS

External funding and grants received as PI

2024-2027, Croatian Science Fund. Project entitled *Bones, isotopes and genes: Health, diet and ancestry of the Roman period inhabitants of Croatia*. (115,000 EUR)

2023-2024, Wenner-Gren Foundation Post PhD grant. Project entitled *Heavy metal: Rural and urban lead exposure during the Roman Empire*. (25,000 USD)

2023-2025, Ministry of Education and Science of the Republic of Croatia. Slovenian-Croatian bilateral project entitled *Mobility during the Late Bronze Age and Early Iron Age*. (2,000 EUR)

2020-2021, Ministry of Education and Science of the Republic of Croatia. Project entitled *The Migration that shaped Europe: Health, Diet and Population Dynamics during the Migration Period*. (54,000 EUR)

2017-2021, Croatian Science Fund. Project entitled *Reconstructing prehistoric (Neolithic to Bronze Age) lifestyles on the territory of Croatia – a multidisciplinary approach*. (79,000 EUR)

2017-2019, Ministry of Science and Education of the Republic of Croatia. Hungarian-Croatian bilateral project entitled *Population changes and co-existence in the middle and southwestern part of the Carpathian Basin in the Avar Period (6th-9th centuries AD)*. (6,200 EUR)

2013-2015, Irish Research Council. Project entitled *Analyses of the quality of life in Europe during the Early Middle Ages (AD 500-1100) - Comparisons between human skeletal series from Ireland and Croatia based on bioarchaeological, ancient DNA and stable isotope data*. (92,000 EUR)

Collaboration in research projects (not as PI)

2024-2028, ERC Starting Grant project *Infectious disease outbreaks as contributors to socio-cultural transformations in the 2nd millennium BCE*.

2024-2026, Australian Research Council project *From foraging to farming. Human adaptations during major transitions*.

2023-2027, ERC Starting Grant project *Modelling the evolution of the mother-infant relationships*.

2023-2026, Slovenian Research Agency Fund project (Weave framework) *Osor beyond the myth*

2023-2026, Slovenian Research Agency Fund project from ERC KS *From Sea to Sea:*

Continuity and Changes between the Bronze and Iron Age on the territory between the Adriatic and the Pannonian plain.

2022-2025 German Research Foundation project *Ancient human and pathogen genomics across the Roman Empire*.

2021-2023 Croatian-Hungarian bilateral project *After the fall of the ancient worlds - Life and death at the borderlands of the Gepid Kingdom*.

2020-2024 COST project *Integrating Neandertal Legacy: From Past to Present*.

2020-2024 Croatian Science Fund project *Prehistoric hunter gatherers in Istria and adjacent regions: patterns of Late Pleistocene lifestyle and mobility*.

2018-2023 Hungarian Scientific Research Fund project *Cultural or demic diffusion?*

Transformations of population and subsistence strategies in the 2nd millennium B.C. in the Carpathian Basin.

2018-2022 Slovenian Research Agency Fund project J6-9363 *Communities of the dead, societies of the living: Late Bronze Age of Eastern Slovenia*, University of Primorska, Faculty of Humanities, Koper, Slovenia.

2018-2021 Université Bourgogne Franche-Comté project *Interdisciplinary approach to the territorial evolution of the Kvarner archipelago (Croatia)*.

2017-2019 Polish National Science Centre project *The Danubian route of the Yamnaya culture*.

2015-2018 Croatian Science Foundation project *The effects of endemic warfare on the health of historic period populations from Croatia*.

2012-2013 Polish Academy of Sciences / Montenegrin Academy of Sciences and Arts / Montenegrin Ministry of Culture project *Malesija, Montenegro: Cultural landscape research, pilot studies*.

2007-2013 Ministry of Science, Education and Sports of the Republic of Croatia project
Bioarchaeological analyses of medieval populations from Croatia.

2002-2007 Ministry of Science, Education and Sports of the Republic of Croatia project
Development of a bioarchaeological database for Croatia.

Fieldwork experience

2000-2013 Laboratory and fieldwork identification of over 1000 victims from the 1991-1995 war in Croatia.

1998 - Excavation and anthropological analysis at over 30 archaeological sites in Croatia, Slovenia, Serbia, Montenegro and Ireland.

Professional development

2023 COST Action iNEAL Working Group 3, Training School *Paleogenomics: From sampling and data collection to multidisciplinary analyses*, University of Vienna, Austria.

2013 Summer Course in Bioarchaeology *Reading Old Bodies: New directions in the bioarchaeological heritage*, Central European University, Budapest, Hungary.

PROFESSIONAL SERVICE

Membership in professional associations

- European Association of Archaeologists (2007-present)
- Paleopathology Association (2010-present)
- American Association of Biological Anthropologists (2015-present)

Reviewer for peer-reviewed journals

International Journal of Osteoarchaeology, International Journal of Paleopathology, PloS ONE, Archives of Oral Biology, Homo, Anthropologischer Anzeiger, Collegium Antropologicum, Prilozi Instituta za arheologiju u Zagrebu, Vjesnik Arheološkog muzeja u Zagrebu, Opuscula Archaeologica, Bulletin of the International Association for Paleodontology, Diadora, Starinar, Forensic Imaging, Acta Palæomedica, World Archaeology, Journal of Archaeological Science, Slovenian Medical Journal, Journal of Archaeological Science: Reports, Bioarchaeology International, Acta Biologica Szegediensis, Acta medico-historico Adriatica, Acta stomatologica Croatica, Annals of Anatomy, Anthropologie, Histria Archaeologica, Clinical Anatomy.

Reviewer for funding bodies

National Science Foundation, USA; Hungarian Scientific Research Fund; National Science Centre, Poland; Horizon Europe; Horizon 2020; Foundation for Science and Technology, Portugal; Science Fund of the Republic of Serbia.

Organization of scientific meetings

2022 *23rd Paleopathology Association European Meeting*, Vilnius, Lithuania; Scientific Board member.

2021 *IUAES Inter-Congress*, virtual meeting; Organizing Board member.

2018. *22nd Paleopathology Association European Meeting*, Zagreb, Croatia; President of the Organizing Board.

2016 *20th Congress of the European Anthropological Association*, Zagreb, Croatia; Organizing Board member.

2016 *IUAES Inter-Congress*, Dubrovnik, Croatia; Organizing Board member.

2014 *16th International Symposium on Dental Morphology / 1st Congress of the International Association for Paleodontology*, Zagreb, Croatia; Scientific Board member.

TEACHING EXPERIENCE AND OTHER ACADEMIC ACTIVITIES

2017-2021 Postgraduate course (*Bio*)archaeology of tumours, School of Medicine, University of Split, Croatia.

2011-2013 Undergraduate course *Forensic anthropology*. Faculty of Humanities and Social Sciences, University of Zagreb, Croatia.

2009-2013 Graduate course *Forensic anthropology*. University Centre for Forensic Sciences, University of Split, Croatia.

Guest lecturer

2020 Undergraduate and graduate course *Introduction to Biological Anthropology and Bioarchaeology*. GOST UP, University of Primorska, Faculty of Humanities, Koper, Slovenia.

2017 Undergraduate and graduate course *Introduction to Biological Anthropology and Bioarchaeology*. GOST UP, University of Primorska, Faculty of Humanities, Koper, Slovenia.

Invited lectures

2023 *Novel analytical methods in (bio)archaeology - some examples from Croatia*. 11th Scientific MetArh Conference, Faculty of Humanities and Social Sciences, University of Zagreb, Croatia

2023 *Violence in the Neolithic of Continental Europe: Bioarchaeological Examples from Croatia*. Department of Anthropology, University of Nevada, Las Vegas, USA.

2023 *Health, diet and population structure in prehistory of Croatia: novel insights from bioarchaeology, stable isotopes and ancient DNA*. Research Institute of the University of Bucharest, Bucharest, Romania.

2022 *Uporaba novih metod v bioarheologiji: starodavna DNK (aDNA) in stabilni izotopi*. University of Primorska, Faculty of Humanities, Koper, Slovenia

- 2019 *Biological anthropology and archaeology. Case study on the Late Antique and Early Medieval population from Fulfinum (Omišalj, otok Krk): demography, pathology, diet.* Université Bourgogne Franche-Comté, Besançon, France.
- 2019 *Disease, violence and death: Prehistoric lifestyles in Croatia.* Department of Cultural Heritage, University of Bologna, Ravenna, Italy
- 2019 *The Copper Age mass burial from Potočani, northern Croatia in the context of other prehistoric mass burials from Central Europe.* Department of Anthropology, University of Wyoming, Laramie, USA.
- 2019 *Bioanthropological research on ancient populations and diseases: modern trends.* National Institute for Public Health, Ljubljana, Slovenia.
- 2016 *Eneolithic mass burial from Potočani, northern Croatia: ritual site or a crime scene?* Faculty of Philosophy, University of Belgrade, Belgrade, Serbia.
- 2015 *A life and death in a Roman colony on the Eastern Adriatic coast: an osteoarchaeological perspective.* Roman Discussion Forum, Oxford, UK

Number of master's and PhD committees on which I have served:

Master thesis:

- 1) School of Archaeology, University College Dublin, Ireland (three in total).
- 2) **University of Primorska, Faculty of Humanities, Slovenia (one in total, one in progress;** <https://repozitorij.upr.si/IzpisGradiva.php?id=12042>).
- 3) Faculty of Humanities, University of Zagreb, Croatia (one in total).
- 4) Faculty of Science, University of Zagreb, Croatia (one).
- 5) University of Central Florida, USA (one in total).
- 6) Faculty of Arts, University of Ljubljana, Slovenia (one in total).
- 7) Department of Cultural Heritage, University of Bologna, Italy (one in total).

PhD thesis:

- 1) Faculty of Humanities, University of Zagreb, Croatia (two in total).
- 2) University of Arizona, USA (one in total).

External examiner for PhD thesis

2018 Flinders University, Adelaide, Australia

AWARDS

2022 Bartol's plaque "PRO AMICIS FACULTATIS", Faculty of Humanities, University of Primorska, Koper, Slovenia.