

Meirav Meiri (nee Yizhaq)

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Education:

- 2013- Present Postdoctoral fellow, The Steinhardt National Natural History Museum and Research Center, Tel Aviv University, Israel
- 2010- 2013 Postdoctoral fellow, Institute of Archaeology, Tel Aviv University, Tel Aviv, Israel.
- 2006-2010 PhD. Molecular Palaeobiology. Royal Holloway, University of London, UK. Supervisors: Dr. Ian Barnes, Royal Holloway, University of London and Prof. Adrian Lister, Natural History Museum, London.
Thesis title: *"The role of climate change in species range shifts: an ancient DNA study of Quaternary deer"*.
- 2002- 2004 M.Sc., Chemistry. Feinberg Graduate School of the Weizmann Institute of Science, Rehovot, Israel. Department of Structural Biology. Supervisors: Prof. Steve Weiner and Dr. Elisabetta Boaretto, Weizmann Institute of Science.
Thesis title: *"Characterizing the State of Preservation of Bones and Charcoal in the Site of Motza, and Dating the Early PPNB Layer using Radiocarbon"*.
- 1998-2001 B.Sc., Biology and Chemistry. Tel Aviv University, Israel. Faculties of Life Sciences and Exact Sciences.
Magna cum laude

Awards and Honors:

- 2008 First Prize for student's talk in the International Symposium on Biomolecular Archaeology (ISBA3). Talk title: "Phylogeography, Ancient DNA and the Post-Glacial Recolonisation of Europe".
- 2000 Exact Sciences Faculty, Dean's awards for Excellence for B.Sc. students.

1996 The commander of the Education and Youth corps award of the IDF for outstanding performance.

Scholarships and fellowships:

2013- The Steinhardt National Natural History Museum and Research Center, Tel Aviv University, fellowship.

2010-2013 ERC postdoctoral fellowship.

2009 Anglo-Jewish Association: Roden Scholarship.

2008 Anglo-Jewish Association: Eskell Scholarship.

2007 Anglo-Jewish Association: Roden Scholarship.

2006-2009 Overseas Research Students Award Scheme (ORSAS).

2006-2009 College Research Scholarship by Royal Holloway University of London.

2002- 2004 M.Sc. fellowship, Feinberg Graduate School of the Weizmann Institute of Science, Rehovot, Israel.

Research Grants received:

2009 *NERC/ARHC ORADS* (Oxford Radiocarbon Dating Service) grant application to radiocarbon dating 24 red deer specimens (£9,600).

2008 *NERC/ARHC ORADS* grant application to radiocarbon dating 33 moose specimens (£13,200).

2007 *NERC/ARHC ORADS* grant application to radiocarbon dating 34 red deer specimens (£13,600).

Teaching experience:

2007-2009 Teaching assistant. Course title: "Diversity of Life" by Dr. Dave Morrirt, Royal Holloway University of London.

Undergraduate student supervision:

2008 Project title: "Postglacial recolonisation and the phylogeography of European red deer (*Cervus elaphus*)".

2008 Project title: "Phylogeography of modern red deer (*Cervus elaphus*)".

Workshops organized:

2012 "Pig domestication and dispersal in western Eurasia revealed through ancient DNA and geometric morphometrics". Tel Aviv University, Israel.

Workshops attended:

2011 "Palaeogenomics" Cargèse, Corsica.
2011 "Gene Flow and Dispersal" Ben Gurion University, Sede Boker, Israel.
2011 "Microarcheology" Weizmann Institute, Rehovot, Israel.
2009 "Impact of climate change on species, populations and communities" Uppsala University, Sweden.
2007 "The State of the Art of Ancient DNA" Madrid, Spain.

Active Participation in Scientific Conferences (talks delivered):

2013 Archaeozoology of Southwestern Asia and Adjacent Areas Meeting. Talk title: "Pigs from the Near East with a special focus on Israel (Genetics and morphometrics)".
2013 The annual meeting of "*Reconstructing Ancient (Biblical) Israel the Exact and Life sciences perspective*". Jerusalem, Israel. Talk title: "*Humans, pigs and ancient DNA. Challenges, results and the future*".
2011 The annual meeting of "*Reconstructing Ancient (Biblical) Israel the Exact and Life sciences perspective*". Safed, Israel. Talk title: "The Origin of Biblical Pigs-An Ancient DNA Approach".
2009 *Postgraduate symposium. Royal Hollowly University of London Egham, England.* Talk title: "The role of climate change in species range shifts and ancient DNA study of Quaternary deer".
2009 *QUAVER. Bradford, England.* Presentation title: "Post-Glacial Recolonisation of Europe by Red deer (*Cervus elaphus*)".
2008 *International Symposium on Biomolecular Archaeology, York, England.* Talk title: "Phylogeography, Ancient DNA and the Post-Glacial Recolonisation of Europe".
2007 *QUAVER. London, England.* Presentation title: "Phylogeography of two Quaternary deer species – an ancient DNA study".

Membership in professional societies:

- 2007-2010 Quaternary Vertebrate Research Group (QUAVER).
2009- Society for the Protection of Nature in Israel

Professional Experience:

- 2004-2005 Weizmann Institute of Science, Israel. Lab technician.
 Characterizing the state of preservation of seed and charcoal
 samples from archeological sites in Israel relating to the Iron Age
 period.
- 2001-2002 Teva Pharmaceutical Industries Inc, Israel. Analytical lab technician in
 QC.
- 2001-2001 Tel- Aviv University Tel Aviv, Israel, Department of Zoology.
 Lab assistant in Chemical Ecology and social behavior lab. Project:
 "Chemical communication in honeybees".
- 2000-2002 Tel-Aviv Ramat-Gan Zoological Center (Safari), Israel. Group guide.
- 1997-1998 "Migdal" Insurance Company, Israel. Life-insurance clerk.
- 1995-1997 Military service. An officer in the education and youth crops of IDF.

Publications:

Meiri M, Lister AM, Collins M, Tuross N, Goebel T, Blockley S, Zazula GD, van Doorn N, Guthrie RD, Boeskorov GG, Baryshnikov G, Sher A, Barnes I. 2014. Faunal record identifies Bering isthmus conditions as constraint to end-Pleistocene migration to the New World. *Proceedings of the Royal Society B*, **281**: 20132167.
<http://dx.doi.org/10.1098/rspb.2013.2167>.

von Holstein I, Ashby SP, van Doorn NL, Sachs SM, Buckley M, **Meiri M**, Barnes I, Brundle A, Collins MJ. 2014. An end to Scandinavians in pre-Viking Scotland? Molecular fingerprinting of Early Medieval combs. *Journal of Archaeological Science*, **41**:1-6.

Meiri M, Huchon D, Bar-Oz G, Boaretto E, Kolska L, Maeir A, Sapir-Hen L, Larson G,

Weiner S, Finkelstein I. 2013. Ancient DNA and population turnover in southern Levant pigs – a signature of the Philistine migration? *Scientific Reports*, **3**: 3035 | DOI: 10.1038/srep03035.

Meiri M, Lister AM, Higham TFG, Stewart JR, Straus LG, Obermaier H, Morales MRG, Marín-Arroyo AB, Barnes I. 2013. Late glacial recolonisation and phylogeography of European red deer (*Cervus elaphus* L.). *Molecular Ecology*, **22**:4711-4722.

Finkelstein I, Ben Dor Evian S, Boaretto E, Cabanes D, Cabanes MT, Eliyahu-Behar A, Faigenbaum S, Gadot Y, Langgut D, Martin M, **Meiri M**, Namdar D, Sapir-Hen L, Shahack-Gross R, Shaus A, Sober B, Toffolo M, Yahalom-Mack N, Zapassky L, Weiner S. 2012. Reconstructing Ancient Israel: Integrating Macro- and Micro-archaeology. *Hebrew Bible and Ancient Israel*, **1**:133-150.

Khalaily H, Bar-Yosef O, Barzilai O, Boaretto E, Bocquentin F, Eirikh-Rose A, Greenhut Z, Goring-Morris AN, Dosseur GL, Marder O, Sapir-Hen L, **Yizhaq M**. 2007. Excavations at Motza in the Judean Hills and the early Pre-Pottery Neolithic B in the Southern Levant. *Paléorient*, **33**:5-37.

Yizhaq M, Mintz G, Cohen I, Khalaily H, Weiner S, and Boaretto E. 2005. Quality controlled radiocarbon dating of bones and charcoal from the early Pre-Pottery Neolithic B (PPNB) of Motza (Israel). *Radiocarbon*, **47**(2): 193-206.

Submitted

Sapir-Hen S, **Meiri M**, Finkelstein I. Pigs in the southern Levant Iron Age: A Review of the New Evidence. *Radiocarbon*. Submitted.

In preparation

Meiri M, van Pijlen I, Kosintsev P, Trinkaus E, Barnes I, Lister A. The dynamics of subspecies in space and time: an ancient and modern DNA study of the red deer/wapiti complex (*Cervus elaphus/canadensis*) in Eurasia.