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Universiteit Leiden



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Title: Refining 14C dating of bone >30,000 BP : establishing an accurate chronology for the Middle to Upper Palaeolithic transition in France

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Curriculum Vitae

Max-Planck-Institut für evolutionäre Anthropologie

Max Planck Institute for Evolutionary Anthropology
Department of Human Evolution



Sahra Talamo

born 1974, In Taranto, Italy

Studies & Professional experience

2000-2001

Borsa di Studio

Acquaintance with ^{14}C procedures at the University of Heidelberg

2001

Laurea in scienze Naturali

At the University of Milan; entitled

'Le datazioni ^{14}C : Datazioni tradizionali e tecniche di *wiggle-matching* applicate a insediamenti preistorici dell'area Padana'

Adviser : Leone Fasani

Co-adviser: Bernd Kromer

2002-2005

Heidelberg Radiocarbon laboratory;

projects:

Roman Gap (P.Kuniholm, Cornell University)

EMRCP (S.Manning, Reading - UK)

Fieldwork to find subfossil, lateglacial wood

Development of combustion of large wood samples using an oxygen bomb

Since 2007

PhD-thesis at the Max-Planck Institute for Evolutionary Anthropology, Leipzig

Congress participation (Podium-Poster presentation)

EGS/EGU 2003 Nizza

Radiocarbon Conference 2003 Wellington Poster: "No evidence of systematic regional ^{14}C differences"

SCIEM 2000 Poster: Bronze age time scale in the Eastern Mediterranean

Archeometria 2004 Bressanone Poster: "Absolute time frame for the

Early and middle Bronze age lake settlements in Northern Italy - combining the strength of Dendrochronology and Radiocarbon

AGU Fall-session December 2004 San Francisco Poster: "Atmospheric Radiocarbon fluctuations in the Late Glacial obtained from tree-ring chronologies - aspects of rapid climate change"

Carlsberg Conference Copenhagen 2005. Icecore and Radiocarbon Chronologies

INQUA-SEQS 2006 Milano 2006

Radiocarbon & Archaeology 5th International symposium, Zurich 2008

▪ **3rd International Symposium on Biomolecular Archaeology (ISBA3)**, University of York, York, U.K.

Poster: **Talamo S** and Richards MP (2008) Testing pretreatment methods for the radiocarbon dating of bone collagen.

Poster : Mannino M, **Talamo S**, Di Salvo R, Schimmenti V, Piperno M, Tusa S, Tagliacozzo A, and Richards MP (2008) Preliminary results of C and N isotope analyses and ^{14}C dating of prehistoric humans and animals from the Mesolithic-Neolithic site of Grotta dell'Uzzo, Sicily, Italy.

20th International Radiocarbon Conferences; Hawaii (2009) Oral presentation: **Talamo S** and Richards MP "AMS sample comparison close to the limit of the method. A limit or challenge?"

Publications

- Hughen, K. A., M. G. L. Baillie, E. Bard, J. W. Beck, C. J. H. Bertrand, P. G. Blackwell, C. E. Buck, G. S. Burr, K. B. Cutler, P. E. Damon, R. L. Edwards, R. G. Fairbanks, M. Friedrich, T. P. Guilderson, B. Kromer, G. McCormac, S. Manning, C. B. Ramsey, P. J. Reimer, R. W. Reimer, S. Remmele, J. R. Southon, M. Stuiver, **S. Talamo**, F. W. Taylor, J. v. d. Plicht and C. E. Weyhenmeyer (2004). "Marine04 Marine Radiocarbon Age Calibration, 0-26 Cal Kyr BP." Radiocarbon **46**(3): 1059-1086.
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- Schaub, M., K. F. Kaiser, B. Kromer and **S. Talamo** (2005). "Extension of the Swiss Lateglacial tree-ring chronologies." Dendrochronologia: doi:10.1016.
- Friedrich, W. L., B. Kromer, M. Friedrich, J. Heinemeier, T. Pfeiffer and **S. Talamo** (2006). "Santorini Eruption Radiocarbon Dated to 1627–1600 B.C." Science **312**: 548.
- Matthias Schaub, Klaus Felix Kaiser, David Charles Frank, Ulf

Büntgen, Bernd Kromer, **Sahra Talamo** (2007) "Environmental change during the Allerod and Younger Dryas reconstructed from Swiss tree-ring data." BOREAS 1-13.

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- P. J. Reimer M. G. L. Baillie E. Bard A. Bayliss J. W. Beck P. G. Blackwell C. Bronk Ramsey C. E. Buck G. S. Burr R. L. Edwards M. Friedrich P. M. Grootes T. P. Guilderson I. Hajdas T. J. Heaton A. G. Hogg K. A. Hughen K. F. Kaiser B. Kromer F. G. McCormac S. W. Manning R. W. Reimer D. A. Richards J. R. Southon **S. Talamo** C. S. M. Turney J. van der Plicht C. E. Weyhenmeyer (2009). "IntCal09 and Marine09 radiocarbon age calibration curves, 0 – 50,000 years cal BP." Radiocarbon 51(4): 1111–1150.
- Kromer, B., Manning, S.W., Friedrich, M., **Talamo, S.**, Trano, N., 2010. ^{14}C Calibration in the 2nd and 1st Millennia BC—Eastern Mediterranean Radiocarbon Comparison Project (EMRCP), Radiocarbon 52, 875-886.
- D. Reich, R.E. Green, M. Kircher, J. Krause, N. Patterson, E.Y. Durand, B. Viola, A.W. Briggs, U. Stenzel, P.L.F. Johnson, T. Maricic, J.M. Good, T. Marques-Bonet, C. Alkan, Q. Fu, S. Mallick, H. Li, M. Meyer, E.E. Eichler, M. Stoneking, M. Richards, **S. Talamo**, M.V. Shunkov, A.P. Derevianko, J.-J. Hublin, J. Kelso, M. Slatkin, S. Pääbo, Genetic history of an archaic hominin group from Denisova Cave in Siberia, Nature 468 (2010) 1053-1060.
- Kaiser Klaus Felix, Mario Sgier, Cécile Miramont, Michael Friedrich, Matthias Schaub, Bernd Kromer, **Sahra Talamo**, Frédéric Guibal, Olivier Sivan "Challenging process to make the Late-glacial tree-ring chronologies from Europe absolute - an inventory." Quaternary Science Reviews **In Press**
- Shannon P. McPherron, **Sahra Talamo**, Paul Goldberg, Laura Niven, Dennis Sandgathe, Michael P. Richards, Daniel Richter, Alain Turq, Harold L. Dibble, Radiocarbon Dates for the Late Middle Palaeolithic at Pech de l'Azé IV, France *Journal of Archaeological Science* submitted (2012).
- D. Richter, H. Dibble, P. Goldberg, S. McPherron, L. Niven, D. Sandgathe, **S.Talamo** & A. Turq, The Late Middle Palaeolithic in Southwest France: New TL data for the sequence of Pech de l'Azé IV, *Quaternary International*, submitted 2012

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