

# Jacopo Corsi

PhD

## PERSONAL DETAILS

Address: Via Giuria 1  
10125 Torino  
ITALY

Telephone: +39 0116707378

E-mail: [jacopo.corsi@outlook.it](mailto:jacopo.corsi@outlook.it)

## RESEARCH SKILLS & INTERESTS

- **Analytical techniques.** Knowledge and application of several material science's techniques in the cultural heritage field, e.g. X-ray fluorescence (XRF), electron microscopy (SEM), microanalysis (EDX), neutron diffraction (ND) and thermoluminescence (TL). Application for provenance studies and dating/authentication purposes (e.g. ceramic objects). Experience acquired during PhD, MSc, BA degrees.
- **Imaging techniques.** X-ray radiography and tomography for knowledge and preventive conservation purposes on artistic and archaeological artefacts.
- **Numismatics.** Compositional analyses of ancient coins for metrological studies; metallographic analyses for technological studies; die-link studies; analysis of hoards; knowledge of Greek, Celtic and Roman numismatics and of the main reference texts. Experience acquired during PhD, MSc degree and additional works.
- **Archaeology.** Theoretical and practical knowledge of archaeological research methods. Member of the organising board of nine archaeological excavation projects (Roman, Greek and Byzantine-age sites) in southern Italy between 2006 and 2014.
- **Computer skills.** Knowledge and experience of Windows and Mac OS, Windows Office applications, data analysis (e.g. Origin 8.0) and imaging software (e.g. Paint.NET).
- **Languages.** Italian (mother tongue), English (fluent), French (basic level). Knowledge of ancient Greek and Latin, acquired at High School for Classical Studies.

## RESEARCH EXPERIENCE

- *University of Torino*  
**PhD in Chemistry and Materials Science** (2012 – 2014)  
Research topics: study of devaluation of Cisalpine Gaul's drachmas (4<sup>th</sup>-1<sup>st</sup> century B.C.); discrimination of different typologies on a chemical base; production techniques in antiquity; metrological relationships with Massalian and Roman Republican currency. This work involved an inter-disciplinary and multi-technique approach (ND, SEM-EDX, XRF, PGAA) as well as experiments at international facilities (Oxford, Budapest). I personally built and ran all the phases of the project.  
Thesis title: *Multi-technique study of coins circulating in northern Italy between 4<sup>th</sup> and 1<sup>st</sup> century B.C.* Supervisor: Dr. Alessandro Lo Giudice.
- *University of Torino*  
**MSc in Science and Technology for Cultural Heritage** (2009 – 2011)  
Courses attended include: classical and medieval archaeology, history of art, dating techniques, archaeo-metallurgy, ceramic and vitreous materials, numismatics.  
Dissertation title: *X-rays for cultural heritage studies: radiography of objects having historical and artistic interest and compositional analysis of ancient coins.* Tutor: Dr. Alessandro Lo Giudice; Co-tutors: Dr. Angelo Agostino, Dr. Federico Barello.

## ACADEMIC AWARDS & FUNDING

- Research grant (6000 euros) funded by the French-Italian University for a joint bi-national academic project concerning Roman and Celtic numismatics. **(2014 – 2015)**
- Grant (4000 euros) funded by the Fondazione Fondo Ricerca e Talenti for the organization of conferences open to the general public. **(2014)**
- PhD scholarship (39000 euros + travel benefits + 500 euros p.a. research funding) funded by Fondazione Compagnia di San Paolo and PhD School. **(2012 – 2014)**
- Grant (2500 euros) funded by the Fondazione Caligara for an interdisciplinary MSc degree dissertation. **(2011)**
- Grant (500 euros + travel and accommodation) funded by the Città di Torino and the European Union's program "Leonardo da Vinci" for an internship in Ireland. **(2011)**

## TEACHING EXPERIENCE

**Tutoring activities** **(2012 – 2013)**  
*University of Torino*

- Co-tutor of three Bachelor's degree internships and dissertations in Tecnologie per i Beni Culturali (Simone Spatafora; Giulia Penaglia; Federico Natale). Duties: teaching principles of analytical techniques; measurements; laboratory activity, data analysis.
- Training junior laboratory members in practical techniques; helping students to run their experiments (~30 students along the years).
- Teaching high-school students basic principles of analytical techniques in laboratory.

**Seminars** **(2012)**  
*University of Torino*

- Seminar for a group of 20 students. "Numismatica ed Archeometria: alcuni dati per la riscoperta del mondo antico" within the Bachelor's degree in Tecnologie per i Beni Culturali. **(November 2012)**

## ADMINISTRATIVE EXPERIENCE

- Organization of four daily conferences (topic: archaeometry) for the general public. Duties: contacting the academic speakers; organizing their travel; managing the budget; advertising; introducing and moderating the speakers; manning the registration desk. Participants: 140-150 per day. **(October – November 2014)**
- Organization, in the frame of a national initiative, of an "open day" at Palazzo Madama Museum, with a desk and 3 thematic visits (~15 participants each). **(December 2014)**
- Collaboration within the neu\_ART project funded by Regione Piemonte (1 million euros). Duties: part of the accounting management. **(2013)**

## ADDITIONAL RELEVANT EXPERIENCE

- *Museo di Antichità di Torino*  
NUMISMATIST **(January 2012 - December 2014)**  
Cataloguing of the Cisalpine Gaul's coin section, along with the study and publication (forthcoming) of three different hoards.
- *Centro Conservazione e Restauro "La Venaria Reale"*  
RESEARCH ASSISTANT **(November 2011 - September 2013)**  
Research activities within Scientific Laboratories, e.g. radiography and tomography analyses on artistic and archaeological artefacts (e.g. canvas, panels, sculptures).

- *Soprintendenza per i Beni Archeologici del Piemonte; Diocesi di Novara Museum*  
NUMISMATIST (October - December 2009; March - June 2008)  
Cataloguing of the historical coin collections (of Diocesi di Novara Museum and  
Alessandria City Museum) along with the creation of databases and the preparation  
of the showcases.

## MEMBERSHIPS

- Italian Numismatic Society (2006 – present)
- Associazione Italiana di Archeometria (2014 – present)
- Oxford University Numismatic Society (2013 – 2014)
- Oxford University Archaeological Society (2013 – 2014)

## SELECTED PUBLICATIONS

### Peer-reviewed publications:

- Corsi J., Maróti B., Re A., Kasztovszky Zs., Szentmiklósi L., Torbágyi M., Agostino A., Angelici D., Allegretti S., Compositional analysis of an historical collection of Cisalpine Gaul's coins kept at the Hungarian National Museum, *Journal of Analytical Atomic Spectrometry*, accepted paper.
- Re A., Corsi J., Demmelbauer M., Martini M., Mila G., Ricci C., X-ray tomography of a soil block: a useful tool for the restoration of archaeological finds, *Heritage Science*, accepted paper.
- Re A., Angelici D., Lo Giudice A., Corsi J., Allegretti S., Biondi A.F., Gaiani G., Calusi S., Gelli N., Giuntini L., Massi M., Taccetti F., La Torre L., Rigato V., Pratesi G., Ion Beam Analysis for the provenance attribution of lapis lazuli used in glyptic art: the case of the "Collezione Medicea", *Nuclear Instruments and Methods in Physics Research B*, accepted paper.
- Re A., Albertin F., Avataneo C., Brancaccio R., Corsi J., Cotto G., De Blasi S., Dughera G., Durisi E., Ferrarese W., Giovagnoli A., Grassi N., Lo Giudice A., Mereu P., Mila G., Nervo M., Pastrone N., Prino F., Ramello L., Ravera M., Ricci C., Romero A., Sacchi R., Staiano A., Visca L., Zamprota L. (2014), X-ray tomography of large wooden artworks: the case study of "Doppio corpo" by Pietro Piffetti, *Heritage Science*, 2, 19-28.
- Durisi E.A., Visca L., Albertin F., Brancaccio R., Corsi J., Dughera G., Ferrarese W., Giovagnoli A., Grassi N., Grazzi F., Lo Giudice A., Mila G., Nervo M., Pastrone N., Prino F., Ramello L., Re A., Romero A., Sacchi R., Salvemini F., Scherillo A., Staiano A. (2013), Characterization of a neutron imaging setup at the INES facility, *Nuclear Instruments and Methods in Physics Research A*, 726, 31-36.

### Other publications:

- Corsi J., Barello F., Lo Giudice A., Re A., Monetazione preromana dell'Italia settentrionale: primi risultati di analisi per diffrazione neutronica, *Quaderni della Soprintendenza Archeologica del Piemonte*, 29, in press.
- Corsi J., Weight loss of pre-Roman drachmas from northern Italy, *Numismatica Lovaniensia*, 21, in press.
- Corsi J., Barello F. (2013), Le prime dracme d'imitazione massaliota. Nuove osservazioni su composizione e rapporti con la dracma pesante di Marsiglia, in *Mélanges de numismatique celtique*, 31-37.
- Buscaglia P., Corsi J., Nervo M., Ricci C., La radiografia digitale come strumento di supporto per la conoscenza e la definizione delle linee di intervento: i Ritratti di Casa

Savoia del Castello di Racconigi, in *Il progetto neu ART. Studi e applicazioni* (ed. Marco Nervo), 2013, Editris 2000, Torino.

- Angelini I., Barello F., Barzagli E., Corsi J., Debernardi P., Lo Giudice A. (2013), Monetazione preromana dell'Italia settentrionale e vittoriati: analisi per diffrazione neutronica, *Quaderni della Soprintendenza Archeologica del Piemonte*, 28, 324-326.

#### **Forthcoming publications:**

- Corsi J. Grazzi F., Lo Giudice A., Re A., Scherillo A., Angelici D., Allegretti S., Barello F., Neutron diffraction analysis of Celtic silver coins from northern Italy, under submission to *Journal of Analytical Atomic Spectrometry*.

#### **CONFERENCE PAPERS**

- 100° Congresso Nazionale della Soc. Italiana di Fisica. Pisa, 22-26 September 2014. **Paper** presentation: "Neutron diffraction analysis of Celtic coins from the Po valley".
- SR2A, Synchrotron radiation and neutrons in art and archaeology. Paris, 9-12 September 2014. **Poster** presentation: "Characterisation of silver pre-Roman coins from northern Italy with neutron-based techniques".
- ISA 2014, International Symposium on Archaeometry. Los Angeles, 19-23 May 2014. **Poster** presentation: "Neutron diffraction characterization of pre-Roman coinage from northern Italy: silver debasement and relationships within different emissions".
- VIII Congresso Nazionale di Archeometria. Bologna, 5-7 February 2014. **Paper** presentation: "Pre-Roman coins from northern Italy: characterization with neutron diffraction analysis and first results".
- NINMACH 2013, 1<sup>st</sup> International Conference on Neutron Imaging and Neutron Methods in Archaeology and Cultural Heritage Research. Garching (Munich), 9-12 September 2013. **Poster** presentation: "Neutron diffraction measurements for the characterisation of Italian Celtic coins"
- Weight and monetary standards in Greece and Italy (2<sup>nd</sup> c. B.C. - 1<sup>st</sup> c. A.D.). Bruxelles, 5-6 September 2013. **Poster** presentation: "Silver pre-Roman coins from northern Italy (4<sup>th</sup>-1<sup>st</sup> c. B.C.) compositional analysis and metrology".
- EXRS 2012, European Conference on X-Ray Spectrometry. Wien, 18-22 June 2012. **Poster** presentation: "A new digital radiography system for canvas paintings: a case study from the Racconigi Castle (CN)".
- ISA 2012, International Symposium on Archaeometry. Leuven, 28 May - 1 June 2012. **Poster** presentation: "Analysis of Celtic coins from northern Italy".

#### **Seminar invitations:**

- Budapest Neutron Centre user meeting. Budapest, 21 November 2014. **Seminar:** "Characterization of Celtic coins from northern Italy with neutron-based techniques".
- Institute of Archaeology, Research Laboratory for Archaeology and the History of Art. Oxford, 14 April 2014. **Seminar:** "Research activity at the Physics Department in Torino and neutron diffraction analysis of Celtic coins".

#### **VOLUNTEERING**

Member of the Archaeological Group of Torino (GAT) since 2004 and **Technical Director** since 2012. **Director** of the editorial board of the association's newspaper. Archaeological research campaigns (surveys and excavations) in Tuscany and Friuli.