

UrbNet Annual Report 2019

A Centre of Excellence funded by
the Danish National Research Foundation

Hosted by Aarhus University



UrbNet Mission Statement

Centre for Urban Network Evolutions (UrbNet) explores the archaeology and history of urban societies and their networks from the ancient Mediterranean to medieval Northern Europe.

We are an interdisciplinary research initiative, which integrates contextual cultural studies rooted in the humanities with the natural sciences.

Approaching urbanism as network dynamics, we aim to develop a high-definition archaeology to determine how urban networks catalysed societal and environmental expansions and crises in the past.



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Greetings from the Director

This year marks the beginning of a new decade, and with the turn of the year, The Danish National Research Foundation (DNRF) generously granted us an extension of *Centre for Urban Network Evolutions* (UrbNet), following an international mid-term evaluation. We welcomed this offer with gratitude, and thank the foundation for its continued and unwavering support of and interest in our work. The second round of funding covers the period 1 February 2021–31 January 2025. Therefore, much of 2020 will be filled with plans for the research to be undertaken in the coming years. However, as we plan for UrbNet 2.0, we also take stock of past performances and achievements, and I am proud to present to you the UrbNet annual report for 2019.

A year of anticipated change

The year 2019 brought UrbNet into its fifth year of existence. This meant that our focus was to finalise and write up major results of the centre's research and large-scale excavations from previous years, targeting strategic geographical nodes of contact in Northern Europe, the Mediterranean and East Africa. A second focus was to achieve a synergetic understanding of urbanity and urban networks, based on insights emerging from our various excavation projects and research groups. As a result, several high-impact publications appeared in 2019, and more are due for publication in 2020.

We underwent the obligatory, major mid-term evaluation by the DNRF in the autumn, based on which the foundation committed to funding UrbNet for a second round.

As a consequence of UrbNet entering the final phase of our first funding round, several employments came to a natural close, and we had to part with people who have been pivotal contributors to UrbNet's success. Letting good people go is always bittersweet; while we certainly miss them, we are proud to see them being offered positions at prestigious international research institutions, or taking up employment at ambitious museums that are looking to push the art of disseminating the past to the modern public.

We undertook an international search to fill a handful of new positions, including our first associate professorship (embedment position at the School of Culture and Society), beginning 1 February 2020. We expect this position to interlink the different archaeologies in the school and to open new avenues of research for the years to come.

We witnessed six successful PhD defences in 2019, which largely concluded the efforts of our first generation of PhD scholars. This has significantly reduced the size of our PhD population, but it is a natural and positive downsizing that testifies to the success of our employees as well as the centre's mission to train the next generation of world-class researchers.

Visitors

UrbNet hosted five visiting professors in 2019, who are all among the highest-ranked experts in their respective fields. Professor Innocent Pikirayi (University of Pretoria) stayed with us in April–June and shared his insight into African archaeology and social complexity, particularly focusing on the rise, development and demise of ancient state societies. Professor Eivind H. Seland (University of Bergen) was in residence in April–June, during which time he gave a lecture series based on his unsurpassed knowledge about economy, political power and ideology/religion in the ancient world. Professor Roland Fletcher (University of Sydney) was a guest in June, offering his global and interdisciplinary perspective on settlement growth and decline, and large-scale cultural phenomena over time. Professor Michael E. Smith (Arizona State University) visited in June to share his specialism on Aztec social and economic organisation as well as his unique comparative analysis of ancient urban societies. Lastly, Professor Christopher Smith (University of St Andrews) stayed with us in October–December, sharing his deep insight into the social and economic development of early Roman and Latium, focusing on Roman kingship as a point of departure for a study of power in archaic societies.



View from Caesar's Forum to Basilica Aemilia on the Forum Romanum. (Photo: Rubina Raja)

Apart from our residential scholars, we hosted 179 short-term visitors. Each visit, to me, is a testimony of UrbNet's stimulating research environment, which constantly attracts the best and brightest scholars from all around the world, and allows UrbNetters to share their research and insights with a wide-ranging scholarly community.

Events

As in previous years, UrbNet's activities calendar in 2019 was bursting with events, and I highlight a few here: In April, we co-hosted a major symposium, *Palmyra and the East*, together with the J. Paul Getty Museum in Malibu, Los Angeles. This symposium explored the art, architecture and the social and religious life of the oasis city Palmyra in Syria, and was held in connection with the special exhibition *Palmyra: Loss & Remembrance* at the Getty Villa in Malibu, Los Angeles. We hosted an international spring school on *e-Learning and Archaeology*, held under the auspices of the strategic partnership *Ancient Cities (ERASMUS+)*, in which UrbNet/Aarhus University is a partner. In May, we organised a large PhD course entitled *Past Urbanisms in Rome* under the auspices of the Nordic Graduate School in Archaeology, *DialPast*. In October, UrbNet and Westfälische Wilhelms-Universität Münster co-hosted the conference *The Archaeology of Seasonality* at the Royal Danish Academy of Sciences and Letters in Copenhagen, which focused on the hitherto neglected aspect of seasonality in understanding temporal dimensions of human activities and spatial practices in the ancient world.

A number of additional conferences and workshops were held, which all featured specialists and experts in a range of disciplines. We know that UrbNet is held in high regard throughout the academic community, and providing fora in which leading scholars can share and discuss the most recent developments within their fields is essential to UrbNet's vision of pushing the frontiers in archaeological research.

Funding

UrbNet's continued success in attracting external funding is also worth highlighting. In 2019, centre members attracted 19,016,579 DKK in new funding and directed/participated in external projects worth 61,365,499 DKK in total. Whether we are talking about million-DKK grants, smaller travel grants or art-contributions towards a publication, I am proud of every single fundraising effort – including the seeds that did not yield fruit – because it shows that UrbNet members dare to take risks and bet high.

Acknowledgements

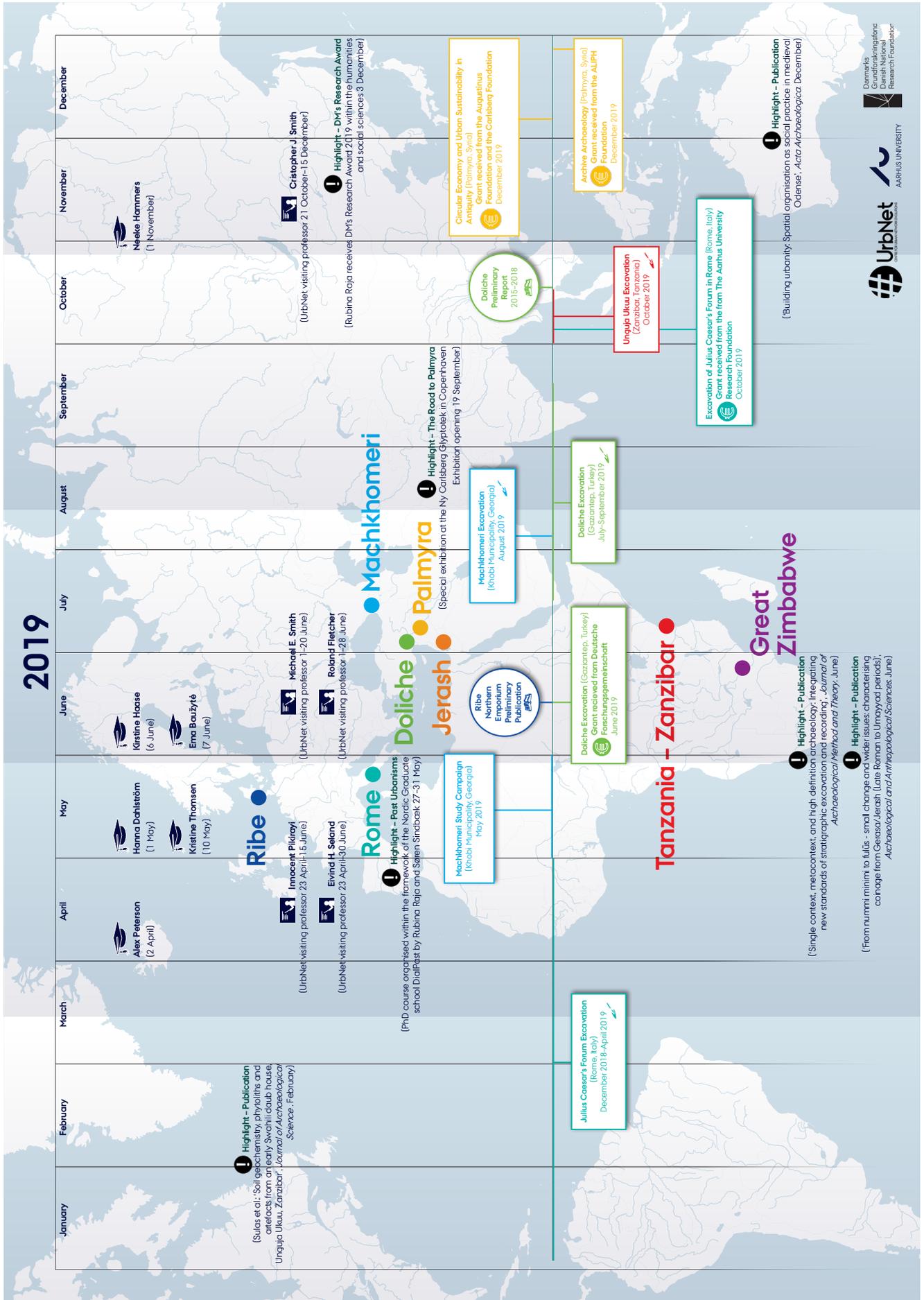
It is paramount to stress that UrbNet truly is a joint effort. A research undertaking of this size could not operate without the numerous competent and dedicated employees and affiliates that make up the UrbNet family. As centre director, I therefore take this opportunity to extend my warmest thanks to seniors and juniors alike as well as our administrative staff. Also a large thank you to School of Culture and Society and Aarhus University for hosting UrbNet, and to all of our colleagues and collaborators from near and far – without whom this journey would be much less satisfactory. I am grateful to the DNRF for their generous support of our work, and likewise thank the numerous other funding agencies that help us step into the realm of basic and high-risk research.

I am proud to spearhead the, to my knowledge, largest-ever Danish venture into humanities research, and I am beyond excited to jointly pursue newly defined goals – and will celebrate each milestone along the way.

Rubina Raja
UrbNet centre director
Aarhus, March 2020



UrbNet Overview





'Viking Copper Snow'. A Viking smith at Ribe in the 8th c. CE produces his signature brooches by melting metal in a crucible. During heating, the metal melts, but so does part of the vessel's ceramic fabric. Upon cooling, the metal and the ceramic form a layer that stores important information on the reconstruction of the technological process, in a way that resembles the technology's unique DNA. (Photo: Vana Orfanou)



Discussing urban archaeology in Zanzibar. (Photo: Federica Sulas)

Staff

Senior core group



Rubina Raja
Professor, Centre director
School of Culture and Society, Aarhus University

Rubina Raja's research focuses on urban societies and their manifestation in material and written culture, particularly in the Mediterranean and the Levant. She takes a special interest in regional and interregional development patterns from the Hellenistic to the early medieval period.



Søren M. Sindbæk
Professor MSO, Deputy director
School of Culture and Society, Aarhus University

Søren M. Sindbæk's research focuses on early urbanism and urban archaeology in Viking-age Scandinavia and early medieval Europe. He has a special interest in early medieval communication and social networks.



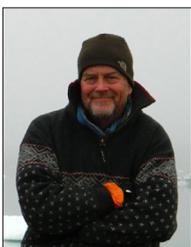
Gry H. Barfod
Assistant professor
Department of Geoscience, Aarhus University

Gry H. Barfod specialises in isotope geochemistry and geochronology. Her work applies trace metals (Hg, Pb, As) and non-traditional isotope systems (e.g. Fe) to medical and archaeological sciences.



Søren M. Kristiansen
Associate professor
Department of Geoscience, Aarhus University

Søren M. Kristiansen's work revolves around soils, and he works across a wide range of scientific and professional fields, including geoarchaeology, soil science, groundwater chemistry, medical geology, soil chemistry and geomorphology.



Charles Lesher
Professor
Department of Geoscience, Aarhus University

Charles Lesher's research revolves around geochemistry and experimental petrology, and he is an expert in Plasma Mass Spectrometry and volcanic rocks. He is director of the Danish Interdisciplinary Center for Plasma Mass Spectrometry (DK-ICPMS).



Coloured beads from the Northern Emporium excavation i Ribe. (Photo: Ditte K. Johnson)



Peter H. Mikkelsen

Head of Department and Vice-director
Department of Conservation and Natural Science, Moesgaard Museum

Peter H. Mikkelsen is an expert in archaeobotany, and his work focuses mainly on Iron-age and medieval agriculture and consumption.



Jesper Olsen

Associate professor
Department of Physics and Astronomy, Aarhus University

Jesper Olsen's research focuses on radiocarbon and stable isotopes. He specialises in a number of statistical methods used in earth/archaeological sciences, including 14C analysis, and he is director of the Aarhus AMS Centre (AARAMS).



Bjørn Poulsen

Professor
School of Culture and Society, Aarhus University

Bjørn Poulsen's work revolves around Viking-age and medieval Denmark/northern Europe with respect to the cultural, social and economic history. He specialises in towns, trade networks, town-country relations and agriculture.



Stephanie Wynne-Jones

Senior lecturer
Department of Archaeology, University of York

Stephanie Wynne-Jones specialises in material culture and its relationship with practice. Her research focuses on craft and production for trade as well as daily life and the use of space at Songo Mnara where she uses scientific techniques to create a high-resolution picture of life in the town.

Assistant professors



Thomas Birch (1 January–31 December 2019)
Assistant professor
School of Culture and Society, Aarhus University

Thomas Birch studies and scientifically analyses artefacts and materials from archaeological sites to learn about their origin and past technologies, aiming to understand how material assemblages influence and are influenced by the evolution of urban networks.



Michael Blömer (1 January–31 December 2019)
Assistant professor
School of Culture and Society, Aarhus University

Michael Blömer's research focuses on urbanism, sculpture and religious iconography in Asia Minor and the Roman Near East. He has a long record of experience in field archaeology – most notably in relation to the excavation of the Iuppiter Dolichenus sanctuary near Doliche in South-East Turkey.



Luise Ø. Brandt (1 January–31 May 2019)
Assistant professor (Individual Postdoctoral Fellowship, funded by the Carlsberg Foundation, and UrbNet)
School of Culture and Society, Aarhus University

Luise Ø. Brandt is a prehistoric archaeologist, focusing on the analysis of DNA and proteins from archaeological textiles and skins. She is particularly interested in how the natural sciences can be applied to archaeological questions.



Sarah Croix (1 January–31 December 2019)
Assistant professor (Northern Emporium, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Sarah Croix specialises in Viking-age and early medieval archaeology in Northwest Europe. She has worked extensively with the emergence of early Ribe, and is now involved in the Northern Emporium project, focusing on stratigraphic 3D documentation and analysis.



Christopher P. Dickenson (1 January–31 December 2019)
Assistant professor
School of Culture and Society, Aarhus University

Christopher P. Dickenson researches the public spaces of the cities of the Roman Empire. Having previously worked on the cities of Greece, he now focuses on comparing the use and meaning of public space in different parts of the Empire and finding new ways of using archaeology to investigate the nature of publicness.



Emanuele E. Intagliata (1 January–31 December 2019)
Assistant professor
School of Culture and Society, Aarhus University

Emanuele E. Intagliata's research interests range across the history and archaeology of late Antique and Byzantine cities in the Near East. He explores how cities transformed in the early Byzantine period (c. 7th–9th centuries CE), with an eye on the role of urban networks in this process.



Federica Sulas (1 January–31 December 2019)
Assistant professor
School of Culture and Society, Aarhus University

Federica Sulas's research deals with the responses of people and landscapes to environmental and social change over time, focusing on the impact of such processes on past urban dynamics and system resilience, and exploring how this knowledge may inform on present and future challenges.

Postdocs



Pieterjan S. Deckers (1 January–31 December 2019)
Postdoc (Northern Emporium, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Pieterjan S. Deckers works with artefactual evidence from the *Northern Emporium* excavation in Ribe, focusing on how flows of things, both exotic and mundane, constituted urban life and connected the town with the outside world, in particular the maritime network of 8th–9th-century emporia across the North and Baltic Seas.



Genevieve Holdridge (1 January–2 August 2019; incl. parental leave)
Postdoc
Department of Geoscience, Aarhus University

Genevieve Holdridge holds two Master degrees in Art History and Archaeology and received her doctorate in Geography from the University of Georgia, USA. She has experience in Mediterranean archaeology, geoarchaeology, fluvial geomorphology and paleoclimatology.



Vana Orfanou (1 January–31 March 2019)
Postdoc
Department of Geoscience, Aarhus University

Vana Orfanou is an archaeologist who specialises in archaeometry, namely the scientific analysis of artefacts, tools and technological by-products, with the aim of contextualising past technologies and understanding behavioural patterns.



Bente Philippsen (1 January–30 June 2019)
Postdoc
Department of Physics and Astronomy, Aarhus University

Bente Philippsen specialises in scientific methods in archaeology, especially radiocarbon dating and stable isotope analyses. She is based at the Aarhus AMS Centre (AARAMS).



Sine G. Saxkjær (1 January–31 December 2019)
Postdoc (Individual Postdoctoral Fellowship at the Danish Academy in Rome, funded by the Carlsberg Foundation, and UrbNet)
School of Culture and Society, Aarhus University

Sine G. Saxkjær's research focus is the study of urban ethnicities and the relation between people and cities in ancient Latium during the first millennium BCE, including the interaction between city formation, urbanisation and migration patterns, ethnogenesis and cultural exchange.



Barbora Wouters (1 January–31 May 2019)
Postdoc (Northern Emporium, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Barbora Wouters is a geoarchaeologist and micromorphologist specialised in towns of the 1st millennium CE. Her primary interest is the emergence and development of early medieval towns, such as emporia, in Northwest Europe.

PhD students



Ema Baužytė (1 January–31 January 2019)
PhD student
School of Culture and Society, Aarhus University

Ema Baužytė's project focuses on the East Africa Swahili Coast and attempts to reconstruct ancient iron extraction and working techniques employed in Antiquity as well as devise a methodology for tracing the provenance of raw materials used for iron production in the area.



Thomas S. Daugbjerg (1 January–31 December 2019)
PhD Student
Department of Physics and Astronomy, Aarhus University

Thomas S. Daugbjerg's project focuses on methods of developing radiocarbon dating of lime mortar. The project includes sample characterisation, aiming to evaluate the feasibility of dating a given mortar sample.



Olav E. Gundersen (1 January–31 January 2019)
PhD student
School of Culture and Society, Aarhus University

Olav E. Gundersen's project analyses numismatic material in order to see what it can tell us about the commercialisation of Norwegian, Danish and Swedish society c. 1000–1450 CE, and how it was affected by urban growth.



Neeke M. Hammers (1 January–31 January 2019)
PhD student
School of Culture and Society, Aarhus University

Neeke Hammers's project takes an archaeobotanical approach to the interpretation of network connections and urban development in northern Europe during medieval times based on archaeobotanical remains from urban contexts.



Line E. Hejlskov (1 January–31 December 2019)
PhD Student (*The Excavation of Caesar's Forum in Rome*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Line E. Hejlskov's project re-investigates the long-term development of the use of public spaces in the heart of Rome by focusing on Caesar's Forum during late Antiquity and into the medieval period, in order to understand the urban development of central Rome.



Mahir Hrnjić (1 January–31 December 2019)
PhD student
School of Culture and Society, Aarhus University

Mahir Hrnjić's project aims to study the provenance of Viking-age silver in order to understand the development of the early medieval long-distance trading networks in Eurasia. The project bridges archaeology and the natural sciences by applying chemical and isotope analysis.



Kirstine Haase (1 January–31 January 2019)
PhD student (*Urban Encounters: Mobility, Migration and Networks in Premodern Scandinavia*, funded by the Velux Foundation, Odense City Museums and UrbNet)
School of Culture and Society, Aarhus University

Kirstine Haase's project is based on recent excavations in Odense. Analyses focus on artefact biographies and urban practices based on material culture, e.g. building patterns, refuse patterns, use and depositing of animal bone.



Johan S. Larsen (1 January–31 December 2019)
PhD student
School of Culture and Society, Aarhus University

Johan S. Larsen's project critically assesses past and current field methods utilised by archaeologists when excavating towns, with the aim of proposing an optimised methodology that encompasses the current technological advances and prepares for the next step in the discipline.



Nora M. Petersen (1 January–31 December 2019)
PhD Student (*The Excavation of Caesar's Forum in Rome*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Nora M. Petersen's project studies the burials from the late Bronze Age and early Iron Age (c. 11th–9th century BCE) in Caesar's Forum. The focus is on the ritual practice, social implications and connectivity in pre-urban Rome.



Alex H. Peterson (1 January–31 January 2019)
PhD student (*Ceramics in Context*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Alex Peterson's project aims to better understand the settlement history and ceramics of the middle Islamic period in the Northwest Quarter of Jerash, Jordan. By taking a contextual approach, this project develops a more holistic synthesis of this less well-understood period of history.



Nikoline Sauer (1 January–31 December 2019)
PhD Student (*The Excavation of Caesar's Forum in Rome*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Nikoline Sauer's project studies the urban development of central Rome from 600 to 480 BCE, the so-called archaic period, on the basis of archaeological evidence. The project is linked with the excavation of Caesar's Forum in Rome.



Julia Steding (1 January–31 October 2019)
PhD student (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Julia Steding's project is conducted within the framework of the *Palmyra Portrait Project*, focusing on questions relating to the production economy of funerary portraits from Roman-period Palmyra.



Kristine D. Thomsen (1 January–31 January 2019)
PhD student
School of Culture and Society, Aarhus University

Kristine Thomsen's project combines classical archaeology with geochemical methods. The excavation in Jerash, Jordan, is the focal point of the project, and Kristine explores the complex urban space and development through geochemistry.



Pernille L. K. Trant (1 January–31 December 2019)
PhD student
Department of Geoscience, Aarhus University

Pernille L. K. Trant specialises in geocemistry and radiocarbon dating, and her project uses a geochemical approach to investigate early urban spaces in Denmark.

Research assistants



Olympia Bobou (1 January–31 December 2019)
Research assistant (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Olympia Bobou holds a DPhil in classical archaeology from University of Oxford and has been working within the *Palmyra Portrait Project* since June 2017. Her main task is to work on the catalogue of the funerary sculptures, based on the online database entries.



Jesper V. Jensen (1 January–31 December 2019)
Research assistant (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Jesper V. Jensen has an MA in classical archaeology from Aarhus University and has been working within the *Palmyra Portrait Project* since September 2018. His main task is to work on the catalogue of the funerary sculptures, based on the online database entries.



Ditte K. Johnson (1 September–31 December 2019)
Research assistant (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
(Student assistant, 1 January–31 August 2019)
School of Culture and Society, Aarhus University

Ditte K. Johnson holds an MA in classical archaeology from Aarhus University and has been working at UrbNet since 2016. Since September 2019, she has been a part of the *Palmyra Portrait Project* where she works on Palmyrene tombs with the purpose of studying Palmyrene demographics.



Nathalia B. Kristensen (1 January–31 December 2019)
Research assistant (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Nathalia B. Kristensen holds an MA in classical archaeology from Aarhus University. She has been part of the *Palmyra Portrait Project* since 2016. Since June 2018, she has been working on the catalogue of the Palmyrene funerary sculptures, on the basis of the online database entries.



Line K. Lauridsen (1 January–31 December 2019)
Research assistant (*Northern Emporium*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

Line K. Lauridsen holds an MA in medieval and renaissance archaeology from Aarhus University. Line works with registrations and sampling of finds from the *Northern Emporium* project in Ribe.



Mette N. Pedersen (1 January–31 March 2019)
Research assistant
Department of Geoscience, Aarhus University

Mette N. Pedersen has an MA in classical archaeology from Aarhus University. She has been working at the *Aarhus Geochemistry and Isotope Research Platform (AGiR)* on glass from both Ribe and Jerash, Jordan.



Mikkel F. Schou (1 January–31 December 2019)
Research assistant
Department of Physics and Astronomy, Aarhus University

Mikkel F. Schou holds an MSc in physics from Aarhus University. He works with Postdoc Bente Phillipsen on the adjustment of the atmospheric ^{14}C calibration curve, from decadal to annual resolution for two separate periods spanning 200 years in total.



Rikke R. Thomsen (1 January–31 August 2019)
Research assistant (*Palmyra Portrait Project*, funded by the Carlsberg Foundation)
School of Culture and Society, Aarhus University

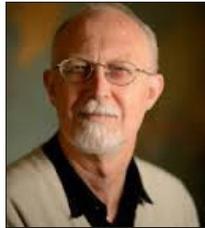
Rikke R. Thomsen holds an MA in classical archaeology from Lund University and has been working within the *Palmyra Portrait Project* since November 2017. Her main task is to work on the catalogue of the funerary sculptures, based on the online database entries.

Visiting researchers



Michela De Felicibus (1 July–20 September 2019)
Visiting PhD student
Università di Bologna, Italy

Michela De Felicibus is an Italian medievalist specialised in landscape archaeology and material culture studies. The aim of her PhD project is to investigate the rural settlements in the north of Romagna (Italy) during late Antiquity, in order to understand how they evolved during the high Middle Ages.



Roland Fletcher (1 June–28 June 2019)
Visiting Professor
University of Sydney, Australia

Roland Fletcher's fields of expertise are the theory and philosophy of archaeology, the study of settlement growth and decline, and the analysis of large-scale cultural phenomena over time.



Camille Gorin (1 September–2 November 2019)
Visiting PhD student
Université Paris 1, Panthéon-Sorbonne, France

Camille Gorin specialises in city-river relationships in a long-term perspective and in underwater archaeology. In her PhD project, she investigates waterways and roads in the urban territory of Poitiers (France) and surroundings.



Innocent Pikirayi (15 April–31 May 2019)
Visiting professor
University of Pretoria, South Africa

Innocent Pikirayi is professor in archaeology and head of the Department of Anthropology and Archaeology at the University of Pretoria, South Africa. He is a leading scholar in African archaeology and social complexity, with his main research interests being the rise, development and demise of ancient state societies.



Eivind H. Seland (21 April–30 June 2019)
Visiting professor
University of Bergen, Norway

Eivind H. Seland is professor of ancient history and premodern global history. His research addresses how economy, political power and ideology/religion interacted in early states/complex societies in the the ancient world. In particular, he works with the Indian Ocean/Red Sea region and the Near East, but he is also interested in the Mediterranean and Central Asia.



Christopher J. Smith (21 October–15 December 2019)
Visiting professor
University of St Andrews, United Kingdom

Christopher J. Smith is professor of ancient history and former director of the British School in Rome. His research interests include the social and economic development of early Rome and Latium, particularly as evidenced through archaeology and comparative developments in the southern and Eastern Mediterranean.



Michael E. Smith (1 June–20 June 2019)
Visiting professor
Arizona State University, USA

Michael E. Smith is an archaeologist specialising in the Aztecs of central Mexico. His theoretical and comparative interests derive from a scientific, materialist, political-economy approach to ancient urban societies.



Sebastian Whybrew (11 January–30 June 2019)
Visiting PhD student
Westfälische Wilhelms-Universität Münster, Germany

Sebastian Whybrew received his MA in archaeology in 2015. His PhD project is entitled *Augustus and Apollo: An Aspect of Augustan Self-Representation and Its Reception in the Roman Empire*.

Administrative employees



Christina A. Levisen (1 January–31 December 2019)
Centre administrator
School of Culture and Society, Aarhus University

Christina Levisen has an MA in linguistics from Aarhus University and La Trobe University, Australia. She heads the centre's administrative team and coordinates UrbNet's editorial processes. She has worked with centre administration in both Denmark and abroad.



Mie E. Lind (1 January–31 December 2019)
Assistant centre administrator
School of Culture and Society, Aarhus University

Mie E. Lind has an MA in classical archaeology from Aarhus University. Mie works closely together with Christina Levisen, managing the day-to-day operation of UrbNet and pushing the centre's editorial processes. She is also in charge of UrbNet's SoMe profiles.



Eva Mortensen (22 August– 31 December 2019)
Research administrator (Research assistant, 1 January–22 August 2019)
School of Culture and Society, Aarhus University

Eva Mortensen has a PhD in classical archaeology. She is part of UrbNet's general editorial team and acts as editorial assistant of the UrbNet-founded *Journal of Urban Archaeology*. She is also in charge of a range of communications initiatives at UrbNet.



Maja M. Andersen (1 January–25 May 2019)
Administrative employee
School of Culture and Society, Aarhus University

Maja M. Andersen works with copy-editing of a broad range of publications as well as updating the centre's webpage.



Nickey Fregerslev (1 January–31 December 2019)
Administrative employee
School of Culture and Society, Aarhus University

Nickey Fregerslev works with copy-editing of various articles and edited volumes, as well as EndNote.

Lab technicians



Ivana Baf (1 January–31 December 2019)
Lab technician
Department of Physics and Astronomy, Aarhus University

Ivana Baf works on registration and chemical preparation of samples, processing of measurement results and maintenance of samples.

Research affiliates

Professor Jörg Rüpke
Max-Weber-Kolleg, Universität
Erfurt, Germany
Adjunct professor at UrbNet, Aarhus
University

Dr. Jan K. Jacobsen
The Danish Academy in Rome, Italy
Head of excavations, *The
Excavation of Caesar's Forum in
Rome*

Postdoc Trine A. Hass
Aarhus University
HM Queen Margrethe II's Distinguished
Postdoctoral Fellowship, The Danish
Academy in Rome, Italy

Student assistants

Ann Lisa Pedersen (1 January–31 December 2019)
Astrid L. Strauss (1 January–31 May 2019)
Daniel Andersen (1 January–31 June 2019)
Ditte K. Johnson (1 January–31 August 2019)
Frederik Theisen (1 January–31 December 2019)
Joos Melander (1 January–31 December 2019)
Julie T. Raunstrup (1 January–30 June 2019)

Lasse R. Olesen (1 January–31 December 2019)
Louise Matilde H. Møller (1 January–31 December 2019)
Maria T. Madsen (1 January–30 June 2019)
Mette Lang (1 January–31 December 2019)
Sara C. Utvaag (1 January–31 December 2019)
Sille Møller (1 January–31 December 2019)
Signe B. Kristensen (15 March–30 June 2019)

UrbNet Highlights 2019



Participants in the UrbNet/DialPast PhD course "Past Urbanisms" get a tour of Caesar's Forum in Rome. (Photo: Søren M. Sindbæk)

From Single Context to Metacontext: New Directions for Urban Excavations

Professor and Vice-Director Søren M. Sindbæk

Project: Northern Emporium

Funding: The Carlsberg Foundation and UrbNet

One of UrbNet's stated aims is to develop new augmented recording techniques in archaeological fieldwork. The Northern Emporium excavation in Ribe, Denmark, was designed as a major developmental case study, adopting a systematic use of 3D laser scanning and intensive soil and sediment micromorphological sampling as part of the excavation recording practice. A major study published in the leading journal *Journal of Archaeological Method and Theory* in 2019 reviews the results and concludes that the new technologies have surprising impact for archaeological research methods. Both methods represent a major advance in field documentation, achieving a higher degree of detail and precision for the recording of archaeological features. But they also challenge today's most widely accepted approach to archaeological excavation, the concept of single-context recording.

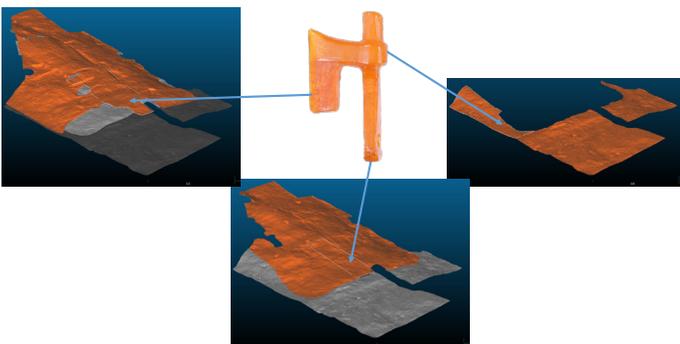
The basic assumption of single-context recording is that, with adequate skill, a typical stratigraphic sequence can be mirrored in the process of excavation, i.e. that units of deposition can also be separated as excavation units and removed in the reverse order to that in which they were laid down. The new approach explored in Ribe has revealed how this assumption is problematic both in practical and theoretical terms. The detailed 3D digital recording applied in the excavation, and the recursive post-excavation analyses this has enabled, highlight how the definition of contexts is often more ambiguous than realised during excavation. Moreover, the use of micromorphology to study the detailed formation of layers

demonstrates how the strata separated in excavation are only a subset of those created in deposition.

As a result, the team has proposed a new conceptual approach to urban excavation that supplements the one-sided focus of single-context recording with what may be described as the metacontext: observations that go across or between contexts. This takes into consideration the fact that excavation units do not always mirror depositional events, as assumed by single-context theory, and that different kinds of observations may not overlap, as assumed in single-context practice. Instead, interfaces, matrices and assemblages are restored as separate units to record and feed into the interpretation cycle.

More than a technical point, these results have far-reaching implication for the way urban archaeology is planned and conducted, from the design of databases to the protocols of excavation and documentation. The fieldwork in Ribe has managed to demonstrate how a systematic metacontext registration can lead to a manageable and more detailed excavation record, more faithful to the archaeologists' observations.

Croix, S., Deckers, P., Feveile, C., Knudsen, M., Qvistgaard, S.S., Sindbæk, S.M. & Wouters, B. (2019). Single context, metacontext, and high definition archaeology: Integrating new standards of stratigraphic excavation and recording. *Journal of Archaeological Method and Theory* 26:4, 1591–1631.



Three fragments of a tiny amber-axe pendant were found in three different stratigraphic units. Thanks to metacontext established through a combination of systematic 3D scanning and detailed micromorphological study, it was possible to re-construct how the fragments were originally deposited and scattered. (Graphics: Northern Emporium)



Building Urbanity: Social Practices in the Medieval Town

PhD student Kirstine Haase

Project: *Urban Encounters: Mobility, Migration and Networks in Premodern Scandinavia*

Funding: The Velux Foundation, Odense City Museums and UrbNet

The 11th-century street surface in the Odense excavation where it is widest. (Photo: Odense City Museums)

What makes life in a medieval town different, and how can we study urban life in the past? These were central questions in Kirstine Haase's PhD research, which was carried out at UrbNet from 2016 to 2019. The case studies were based on a contextual analysis of the archaeological record of a site in the medieval town Odense in Denmark, covering the period c. 900 to 1500 CE.

The approach was practice-based, and offered an understanding of urbanity or town life as a specific set of social practices. These practices arise, persist and change in an ongoing interaction between people, their shared space and the structures that surround them. It is through changes in the townscape and settlement patterns that it has been possible to trace a behavioural and mental change in inhabitants' approach to life in a town.

In the case of Odense, the changes seem to be initiated by the layout of the primary street grid in the late 11th century. This was a massive construction work, where the top-soil or older road surfaces were removed in the entire width of the new street – which was up to 8m in some areas. Loads of rubble and stone chippings were then spread, forming an exceptionally robust surface. Archaeologically, this street surface is known over more than 500m. The number of resources in terms of rubble and manpower needed to carry out a construction work of this size indicates that someone powerful, such as the king or the church, was behind. The king would also be one of the few who could dispose of these central areas in the settlement. How did these changes in infrastructure affect the inhabitants and their practices? At first, it does not seem to have had any impact. The way the settlement plots were organised resembles the patterns seen before the new street layout and in contemporary rural settlements. However, during the 12th century, things began to change. In this period, a series of small wooden buildings were erected on the street surface along the edge of the street. The archaeological record suggests they were market stalls and workshops, since remains of leatherwork, non-ferrous metalwork and comb-making were found in the activity deposits. In the same period, the diverse nature of the street surface suggests that it

was the individual plot owner that maintained the street in front of their plots. These new activities and practices constitute evidence of people being more involved in urban space, both physically and mentally, than before. Their idea of a community had expanded beyond the household and the family unit. This tendency continues throughout the medieval period and is well represented in the introduction of the late medieval brick-built merchant house. The merchant houses aligned the street, and their high basements were accessed directly from the street. Life in the rooms above the basements was visible from the street, but access to these more private areas of the house was only for the chosen few. Thus, private life was, in a sense, made public and used as a marker of social identity and status.

Thus, it is essential to look beyond the physical structures of the town to understand the medieval urban way of life. The archaeological record gives us a chance to study the dynamics, processes and practices that take place *within* these structures, resulting in new insights into the formation of urbanity.

Haase, K. (2019). *Building urbanity: Spatial organisation as social practice in medieval Odense*. *Acta Archaeologica* 90:2, 43–76.



The remains of a 15th-century merchant house in Odense. (Photo: Lars Skaaning)

Deciphering Domestic Space in Tropical Archaeological Contexts

Associate Professor Søren M. Kristiansen, Assistant Professor Federica Sulas and Senior Lecturer Stephanie Wynne-Jones

Project: Urban Transitions in Zanzibar

Funding: UrbNet

Investigating past urban processes is challenging, as cities evolve incorporating earlier elements as they develop, resulting in complex stratigraphies developed over shorter or longer time frames. In tropical settings, deciphering stratigraphic archives is particularly difficult, as ecofacts and artefacts can quickly deteriorate in harsh tropical soil environments, and strong erosion can destroy architecture and surface features.

To explore past urbanism in tropical Africa, we therefore developed a new high-resolution, systematic sampling and analytical programme to combine traditional archaeological excavation data with traces of urban activities that may only preserve at microscopic and nano-scale under such difficult tropical environmental conditions. We used a combination of soil geochemistry, artefact distribution and plant microfossils (phytoliths) from a daub (clay) house that we recently discovered and excavated at Unguja Ukuu, the earliest known urban site (c. 7th–11th century AD) on Zanzibar, Tanzania. This site is located in the protected Menai Bay on Northern Zanzibar, and is characterised by a tropical climate with two rainy seasons favouring fast obliteration of traces from past human activities retained in the soil and sediment.

Our new multi-scalar sampling strategy combined with a multi-proxy analytical approach enabled us to identify the layout of the clay building and both the indoor and outdoor activity hot-spots, although macroscopic traces

of the past activities here were almost completely obliterated. Anthropogenic enrichment of soils often leads to high calcium and phosphorus content, but this was hardly detectable in the Unguja Ukuu house deposits. A wider range of trace and rare earth elements (REEs) proved on the contrary to be important, together with archaeological evidence, for a combined deciphering of signatures related to the ancient human activities.

The results illustrate the great potential of applying a multi-scalar approach to investigate the invisible traces of domestic space use in tropical environments. This is important because we know a lot about the external connections of early coastal towns in this region and only very little about how people inhabited those places, how they lived and what relationship they had with a wider resource landscape. By focusing on the scale of the house, we can tie our results definitively to human occupation, as well as showing how urban environments were built from a set of internal dynamics and activities. Future studies that use similar high-resolution methods could build an important comparative dataset, offering new insight into the changes brought by urban living to populations of the eastern African coast.

Sulas, F., Kristiansen S.M. & Wynne-Jones, S. (2019). Soil geochemistry, phytoliths and artefacts from an early Swahili daub house, Unguja Ukuu, Zanzibar. *Journal of Archaeological Science* 103, 32–45.



Biological material and man-made features are fast deteriorating in the harsh tropical soil environment in Africa. The nearly invisible traces in Unguja Ukuu of a medieval daub (clay) house were revealed by our combined multi-element and statistically based approach. (Photo: Federica Sulas)



Early urban sites on Zanzibar are beautiful settings and are linked to far-flung trading connections across the Indian Ocean. Their relationship with local resources is less well known. (Photo: Federica Sulas & Stephanie Wynne-Jones).

The Road to Palmyra: An Exhibition Project Developed between a Museum and a Research Institution

Professor and Director Rubina Raja

Project: Palmyra Portrait Project

Funding: The Carlsberg Foundation and UrbNet

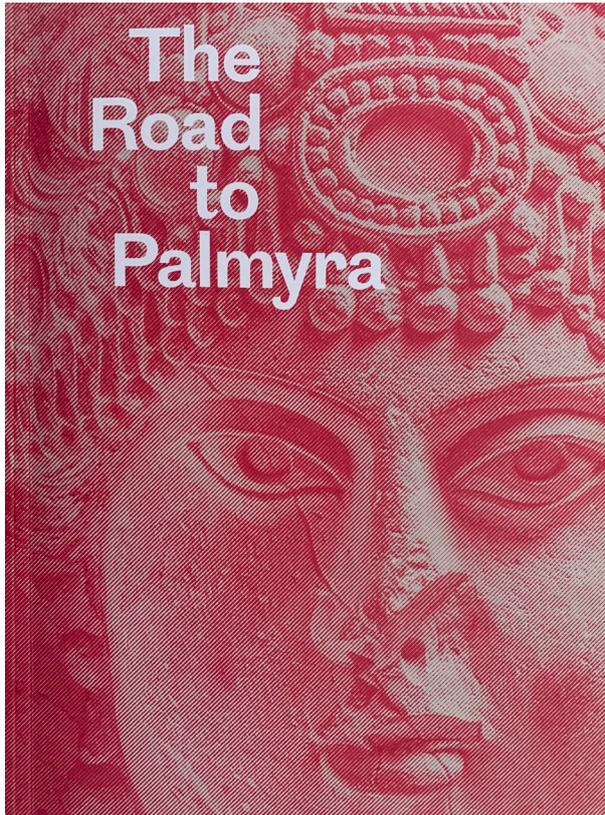
The Palmyra Portrait Project has since 2012 collected what is now the largest corpus of Roman-period funerary portraits stemming from one place in the ancient world, namely the oasis city Palmyra in the Syrian Desert. The most extensive collection of these portraits is held at the Ny Carlsberg Glyptotek in Copenhagen, bought mainly in the 1880s by the Danish brewer and collector Carl Jacobsen. The exhibition idea grew out of the museum's collection and the research done within the Palmyra Portrait Project. Professor and Centre Director Rubina Raja was co-curator of the exhibition together with museum inspector of Greco-Roman antiquities, Anne Marie Nielsen, and the Palmyra Portrait Project team acted as consultants throughout the planning stages.

The exhibition focused on communicating the archaeology and history of Palmyra as well as the outstanding history of the collection housed in Copenhagen. The project was unique in bringing together museum employees with researchers working in close collaboration, and the Ny Carlsberg Glyptotek's visitor numbers for 2019 clearly show that the exhibition was a huge success. Rubina Raja co-edited the exhibition catalogue together with Anne Marie Nielsen and furthermore published a new collection catalogue bringing the newest research on the collection to the public.



Vejen til
Palmyra

Exhibition, "The Road to Palmyra". (Layout: Ny Carlsberg Glyptotek)



The
Road
to
Palmyra



The Beauty of Palmyra, IN 2795 (Anders S. Berg, Ny Carlsberg Glyptotek);

The new collection catalogue, authored by Rubina Raja (Ny Carlsberg Glyptotek).



Location of Machkhomeri
(Graphics: Emanuele E. Intagliata).

Results of the First Season of Excavation at Machkhomeri, Khobi Municipality, Georgia

Assistant Professor Emanuele E. Intagliata

Project: *Evolving Cities: The Impact of Urban Networks in the Townscape between the 7th and 9th Centuries CE*

Funding: Khobi Municipality and UrbNet

In August 2019, Urbnet Assistant Professor Emanuele E. Intagliata joined forces with Revaz Papuashvili (Georgian National Museum) and Davit Naskhidashvili (Ivane Javakhishvili Tbilisi State University) to excavate the hill-top settlement of Nathekhebi, Khobi Municipality, Georgia. The excavation targeted the remains of a church situated at the centre of a fortified enclosure. The building pertains to an architectural type common in the Caucasus in the medieval period. It has a single-hall plan flanked by two lateral annexes and a narthex. The apse, which remains to be fully excavated, is orientated to the east. In the first season of excavation, the entire northern lateral annex was exposed, revealing a funerary chamber with three burials set on a mortar bed.

The material retrieved from this season include, *inter alia*, pottery and thousands of glass fragments pertaining to lamps. The study of this material will shed light on the level of connectivity of this site with the Black Sea and the Eastern Mediterranean.

Other significant finds include Greek inscriptions and fragments of marble – the latter probably spoliated from earlier structures. Although the chronology and architectural development of the building remain to be clarified, so far it appears that the church was in use in late Antiquity and was abandoned in the 7th century or shortly thereafter.

The excavation fits within a larger research objective of Emanuele E. Intagliata that aims to shed light on trade and exchange in western Caucasus from late Antiquity to the Mongol invasion. The material from Machkhomeri, which come from well-stratified contexts, will be studied in conjunction with archaeological assemblages from local museums situated along the river Rioni in the Colchian lowlands. This will allow for the identification of fluctuations in trading activities in the period under study and show how this was catalyst for the transformation of urban centres in the region (e.g. Kutaisi).



Drone photograph of the site – hill-top in the foreground. (Photo: Davit Naskidashvili)



The northern funerary chamber. (Photo: Emanuele E. Intagliata)

New Compositional and Metallographic Data for Copper Coins from the Eastern Mediterranean

Assistant Professor Thomas Birch

Project: Danish-German Jerash Northwest Quarter Project

Funding: The Carlsberg Foundation, the Danish National Research Foundation, Deutsche Forschungsgemeinschaft (DFG), the Elite Research Prize (Danish Ministry of Higher Education and Science), H. P. Hjerl Hansens Mindefondet for Dansk Palæstinaforskning and UrbNet

A high-definition study of everyday coinage from Gerasa/Jerash has shed new insights into long-term socio-economic processes in the Eastern Mediterranean from the 4th to 8th centuries CE. By analysing the chemical composition of small change from the Roman, Byzantine and early Islamic periods, it was possible to identify fluctuations in the purity of copper coinage through time, as well as minting technology and potential metal provenance.

The results reveal that, during the 5th century CE, small copper coins (known as *nummi minimi*) were being produced from a diverse range of copper alloys, most probably recycled and more often heavily debased with lead. Debasement of currency is a phenomenon typically associated with precious metal coinage, silver and gold. However, this study is one of the few that truly demonstrates how copper coinage was also being debased at different points in time in the Eastern Mediterranean. Lead isotope analysis for metal provenance indicates that copper was being sourced from the Aegean and Arabia, whilst lead metal is consistent with Roman mining sources in Western Europe in France and Spain.

The results also confirm that, despite appearing blank, *nummi minimi* were produced just like other officially minted coinage: They were first cast as flans and then struck (hammered), and so were deliberately minted as blank coins. The results crucially highlight a creative local response to the widespread shortage of officially minted coinage in the 5th century CE.

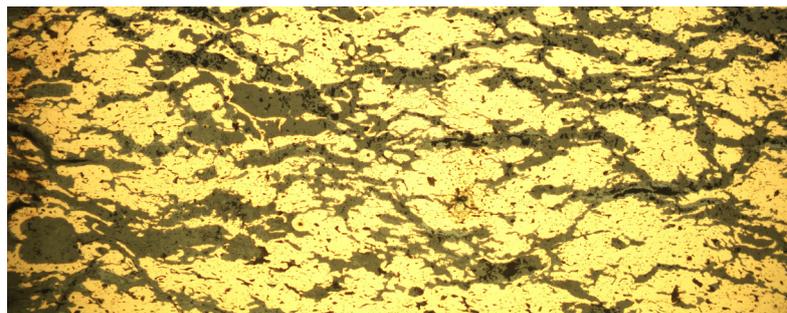
With the onset of cultural change, the study shows that early Islamic small change was made from relatively pure copper, implying that the Umayyad Caliphate had renewed access to fresh metal. Not only can this be linked to early Islamic mining activities, but lead isotope analysis indicates that the copper may have originated from the famous mining regions nearby at Timna and Feynan. After monetary reforms by 'Abd al-Malik in 697 CE, chemical analysis shows that copper coins were being debased once again. Despite being debased, the results show that coins from different administrative

regions share the same chemical recipe, providing some of the first evidence for a centrally administered minting operation in the early Islamic period.

Birch, T., Orfanou, V., Lichtenberger, A., Raja, R., Barfod, G., Lesher, G., Schulze, I. & Schulze, W. (2019). From *nummi minimi* to *fulūs* – small change and wider issues: Characterising coinage from Gerasa/Jerash (late Roman to Umayyad periods). *Archaeological and Anthropological Sciences* 11:10, 5359–5376.



Examples of a *nummi minimus* (top), a pre-reform Umayyad fals of Skythopolis imitating a Byzantine follis of Justin II and a purely epigraphic post-reform Umayyad fals of Jerash. Scale in cm. (Photo: Thomas Birch)



Photomicrograph of an unetched Byzantine impure copper coin's polished cross-section showing a dendritic structure, visible throughout the cross-section, suggestive of casting. Intra-granular corrosion (grey) can be observed along grain boundaries with an overall directional preference aligned with coin striking. Image width = 160 μm . (Photo: Vana Orfanou)

Flagship Grant from Aarhus University Research Foundation for the Continued Uncovering of Urban Stratigraphies in Caesar's Forum in Rome

Professor and Centre Director Rubina Raja

Project: *The Excavation of Caesar's Forum in Rome*

Funding: Aarhus University Research Foundation and the Carlsberg Foundation

The project *Caesar's Forum in a Long Durée Perspective: The Creation of an Urban Tradition* received a major Flagship grant of 10 m DKK from Aarhus University Research Foundation (AUFF). The project is affiliated with the large-scale excavation project *The Excavation of Caesar's Forum in Rome*, and the aim is to continue some of the most significant Danish archaeological research in the Mediterranean region in recent years. The Forum of Julius Caesar is one of the most significant and important public spaces of the entire Roman period.

The Forum of Caesar is known as the location of Julius Caesar's monumental public space in the heart of late Republican Rome. However, it holds information about the entirety of Rome's long history reaching far

back into prehistory. Modern and medieval phases have been uncovered during the first part of the excavations, and the next crucial phase – co-funded by AUFF and the Carlsberg Foundation – will uncover the remaining more than 3,000 years of archaeology and history. It is thus the first excavation to focus on Rome's history in a *longue durée* perspective within one urban excavation. Using the latest high-definition methods and technologies from both archaeology and natural science, which UrbNet has pioneered since 2015, the project will bring forth groundbreaking new insights into the urban development of one of the world's most important urban sites from the classical world.

About the project

The Caesar's Forum project is originally funded by the Carlsberg Foundation, with a grant of 11 m DKK awarded in 2017, and is a collaboration between UrbNet, the Danish Academy in Rome and the Sovrintendenza Capitolina ai Beni Culturali. The AUFF Flagship initiative is a new and ambitious grant that supports extraordinary research efforts at Aarhus University. The Caesar's Forum project was selected as the first AUFF Flagship.



View of Caesar's Forum in Rome. (Photo: Sine G. Saxkjær)



The survey work in action. (Photo: Sine G. Saxkjær)

Professor Rubina Raja is awarded Dansk Magisterforening's Research Prize 2019

In December 2019, Professor and Centre Director Rubina Raja received Dansk Magisterforening's research prize for research in the humanities and social sciences. The prize was awarded for Rubina Raja's research on ancient urban societies and portrait cultures and the emphasis she has continuously put on interdisciplinary high-definition studies of the past through the work undertaken within the framework of UrbNet since 2015.

Rubina Raja says, "It was a great honor and acknowledgement to receive the prize – not only as a single researcher, but just as much as centre leader of a DNRF Centre of Excellence. Therefore, the prize should be seen as an acknowledgement of the research in general at UrbNet – without the backing of a large and strong research environment and professional centre administration, the high-definition studies could not have been undertaken".



Rubina Raja is professor and centre director of UrbNet.
(Photo: Jesper Voldgaard)

Events

Organisation of conferences and workshops

5 April 2019
Medieval Archaeological Forum's Seminar, Aarhus University, Aarhus, Denmark

10–14 April 2019
84th Annual Meeting of Society for American Archaeology (Comparative approaches to slavery in Africa), Society for American Archaeology, Albuquerque, USA

18–19 April 2019
Palmyra and the East, J. Paul Getty Museum, Getty Villa, Los Angeles, USA

18–22 April 2019
Student Symposium on Viking and Medieval Scandinavian Subjects, Aarhus University, Aarhus, Denmark

29–30 April 2019
Caesar's Past and Posterity's Caesar, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark

2 May 2019
Northern Emporium: The Archaeology of Network Urbanism in Ribe, Aarhus University, Aarhus, Denmark

8 May 2019
Follow-up workshop: Social Complexity and Urban Development in Africa/Southern Africa, Aarhus University, Aarhus, Denmark

13–14 May 2019
Urban Religion and Urban Landscapes in the First Millenium CE, Aarhus University and Moesgaard Museum, Aarhus, Denmark

21 May 2019
Urbanising Landscapes and Traditions of Change in Africa and Beyond, Aarhus University, Aarhus, Denmark

24 May 2019

"Best" Practice": Recent Italian-Danish Collaboration on Heritage Questions, The Danish Academy in Rome, Rome, Italy

4 June 2019

The Forum of Julius Caesar in Rome, Aarhus University and Moesgaard Museum, Aarhus, Denmark

20–21 June 2019

The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark

23–26 June 2019

An Urban Archaeology of Ancient Religion, Schæffergården, Gentofte, Denmark

27–28 June 2019

Horse and Rider in the Late Viking Age: Equestrian Burial in Perspective, Skanderborg Museum, Skanderborg, Denmark

17–18 October 2019

The Archaeology of Seasonality, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark

6–7 November 2019

Annual Meeting of the Association of Danish Museums, Munkebjerg Hotel, Vejle, Denmark

8 November 2019

Publication Processes, Aarhus University, Aarhus, Denmark

27–30 November 2019

Vikings in the Mediterranean, The Danish Institute in Athens, Athens, Greece

Organisation of other events

8–10 January 2019

Annual UrbNet Retreat, Hjerting Badehotel, Hjerting, Denmark

30–31 March 2019

"Mød det mobile museum", Historiske Dage, Museum of Copenhagen, Copenhagen, Denmark

2 April 2019

PhD defence, Alex H. Peterson: *Ceramics in Context: The History and Pottery of a Middle Islamic Settlement in the Northwest Quarter of Jerash*, Aarhus University, Aarhus, Denmark

23–26 April 2019

International Spring School: *E-Learning and Archaeology*, ERASMUS+ project *Ancient Cities*, Aarhus University, Aarhus, Denmark

1 May 2019

PhD defence, Hanna Dahlström: *Towards the Making of a Town: People, Practices and Interaction in Early Medieval Copenhagen*, Aarhus University, Aarhus, Denmark

2 May 2019

PhD pre-defence, Pernille L. K. Trant: *Geoarchaeology of the Early Northern Cities: Microscopic and Geochemical Investigations of Urban Spaces in Denmark*, Aarhus University, Aarhus, Denmark

10 May 2019

PhD defence, Kristine D. Thomsen: *Urban Life in Jerash, Jordan: The Technological and Stylistic Development of Mortar, Plaster and Wall Paintings from Roman Times to the Middle Islamic Period from an Archaeological and Geoarchaeological Perspective*, Aarhus University, Aarhus, Denmark

22–23 May 2019

PhD course: *Networks in Archaeology 2.0*, Aarhus University, Aarhus, Denmark

27–31 May 2019

PhD course: *Past Urbanisms, The Nordic PhD school Dialogues with the Past*, The Norwegian Institute in Rome, Rome, Italy

6 June 2019

PhD defence, Kirstine Haase: *An Urban Way of Life: Social Practices, Networks and Identities in Odense, 1000–1500 AD*, Aarhus University, Aarhus, Denmark

7 June 2019

PhD defence, Ema Baužytė: *Making and Trading Iron in the Swahili World: An Archaeometallurgical Study of Iron Production Technologies, Their Role and Exchange Networks in 500–1500 CE Coastal Tanzania*, Aarhus University, Aarhus, Denmark

19 June 2019

UrbNet Summer Celebration, Aarhus University, Aarhus, Denmark

17 September 2019

Mid-term evaluation site visit by the Danish National Research Foundation, Aarhus University, Aarhus, Denmark

19 September 2019

Exhibition opening: *The Road to Palmyra*, Ny Carlsberg Glyptotek, Copenhagen, Denmark

10 October 2019

PhD pre-defence, Mahir Hrnjić: *Long-Distance Trade of Silver during the Viking Age: Provenance Determination of Silver Coins, Perm/Glazov and Duesminde Rings*, Aarhus University, Aarhus, Denmark

25 October 2019

Qualifying exam, Thomas S. Daugbjerg: *Radiocarbon Dating of Lime Mortars*, Aarhus University, Aarhus, Denmark

1 November 2019

PhD defence, Neeke M. Hammers: *Trade, Import and Urban Development: An Archaeobotanical and Isotopic Approach to the Study of Towns in Denmark, c. 1050–1750 CE*, Aarhus University, Aarhus, Denmark



Official photos from five of the PhD defences in 2019. From the left: Hanna Dahlström, Kristine D. Thomsen, Kirstine Haase, Ema Baužytė and Neeke M. Hammers. (Photo: Moesgaard Museum)

Organisation of lectures and seminars

15 January 2019

Sourcing Ribe's lead, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Thomas Birch (Aarhus University)

22 January 2019

Elaia, Pergamum's maritime satellite: How a logistic hub depends on its environmental surroundings, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Martin Seeliger (Goethe-Universität Frankfurt)

29 January 2019

And then there were none: Ten little things from Zanzibar, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Federica Sulas (Aarhus University)

5 February 2019

The urban survey at Doliche: Aims, methodology and preliminary results, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Sebastian Whybrew (Westfälische Wilhelms-Universität Münster)

12 February 2019

Exploring Doliche: The status quo, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Michael Blömer (Aarhus University)

19 February 2019

"Do it like that": Challenges and limitations for Palmyrene carvers, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Julia Steding (Aarhus University)

26 February 2019

From numbers to technology to people: Archaeometallurgical investigations and cities at UrbNet, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Vana Orfanou (Aarhus University)

5 March 2019

Getting the dirt on the inhabitants of Ribe: A microscopic journey, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Barbora Wouters & Pernille L. K. Trant (Aarhus University)

12 March 2019

In defense of Ribe's inhabitants: Urbanism as life-style in the early medieval emporia, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Sarah Croix (Aarhus University)

19 March 2019

Fur and skin trade in Viking and medieval Denmark: Results and project biography, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Luise Ø. Brandt (Aarhus University)

26 March 2019

Water in Byzantine Constantinople from Constantine V to Mehmet II Fatih, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Jim Crow (University of Edinburgh)

9 April 2019

Characterisation of silver surface enrichment in historical silver coins: A method proposal and study of the trace element behaviour, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Mahir Hrnjić (Aarhus University)

16 April 2019

Radiocarbon dating in urban archaeology: Latest news, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Bente Philippsen (Aarhus University)

29 April 2019

Cities, networks, and trade: Theoretical foundations, *Urban Networks in the World Trade of the First Centuries CE*, Aarhus University, Aarhus, Denmark, 29 April 2019
Eivind H. Seland (University of Bergen)

30 April 2019

Citification of religion: A new approach to the study of urban religion in Mediterranean Antiquity, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Emiliano Urciuoli (Max-Weber-Kolleg, Universität Erfurt)

6 May 2019

Networks of places, *Urban Networks in the World Trade of the First Centuries CE*, Aarhus University, Aarhus, Denmark
Eivind H. Seland (University of Bergen)

7 May 2019

Social complexity and urban development in Africa/Southern Africa, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Innocent Pikirayi (University of Pretoria)

20 May 2019

Networks of things, *Urban Networks in the World Trade of the First Centuries CE*, Aarhus University, Aarhus, Denmark
Eivind H. Seland (University of Bergen)

20 May 2019

Networks of people, *Urban Networks in the World Trade of the First Centuries CE*, Aarhus University, Aarhus, Denmark
Eivind H. Seland (University of Bergen)

27 May 2019

The strange attraction of weak ties: Urbanisation as network evolution, *Past Urbanisms PhD Seminar*, Norwegian Institute, Rome, Italy
Søren M. Sindbæk (Aarhus University)

3 June 2019

Spatiality of ancient world trade, *Urban Networks in the World Trade of the First Centuries CE*, Aarhus University, Aarhus, Denmark
Eivind H. Seland (University of Bergen)

11 June 2019

Mobile communities and the transition to sedentism: 15th to 3rd millennium BCE, *Material Behaviour and the Dynamics of Settlement Trajectories from the Upper Palaeolithic to the Present*, Aarhus University, Aarhus, Denmark
Roland Fletcher (University of Sydney)

12 June 2019

Urban life in the distant past: How to write a book on pre-modern cities at UrbNet, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Michael E. Smith (Arizona State University)

13 June 2019

Multifocality, truce spaces and the early city in Iron-age central Italy, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Nic Terrenato (University of Michigan)

18 June 2019

The transition to agrarian urbanism: 4th millennium BCE to 1st millennium CE, *Material Behaviour and the Dynamics of Settlement Trajectories from the Upper Palaeolithic to the Present*, Aarhus University, Aarhus, Denmark
Roland Fletcher (University of Sydney)

19 June 2019

What is the value of premodern cities?, *UrbNet Summer Celebration 2019*, Aarhus University, Aarhus, Denmark
Michael E. Smith (Arizona State University)

25 June 2019

Seafaring expeditions to Punt in the Middle Kingdom: Excavations at Mersa/Wadi Gawasis, Egypt, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Kathryn Bard (Boston University)

25 June 2019

The transition to industrial urbanism: 2nd millennium CE, *Material Behaviour and the Dynamics of Settlement Trajectories from the Upper Palaeolithic to the Present*, Aarhus University, Aarhus, Denmark
Roland Fletcher (University of Sydney)

20 August 2019

Making space for commerce in Roman Britain 2.0, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Christopher P. Dickenson (Aarhus University)

20 August 2019

Daily coinage in Jerash, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Thomas Birch (Aarhus University)

20 August 2019

Between sea and river: Water in medieval Scandinavian towns, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Bjørn Poulsen (Aarhus University)

20 August 2019

Glass studies, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Gry H. Barfod (Aarhus University)

20 August 2019

What the heck is this?, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Federica Sulas (Aarhus University)

20 August 2019

Earthworks, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Søren M. Kristiansen (Aarhus University)

20 August 2019

14C datings from Ribe and Jerash, *UrbNet Centre Day 2019*, Ternen, Silkeborg, Denmark
Bente Philippsen (Aarhus University)

3 September 2019

Roads, connections and movements: Poitiers urban territory (FR), waterways and terrestrial itineraries in a long-time perspective, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Camille Gorin (Université Paris 1, Panthéon-Sorbonne)

10 September 2019

Interpreting Central Asia settlement patterns, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Sebastian Stride (SIRIS Academic S.L.)

11 September 2019

The late antique and early medieval landscape in the northern Romagna plain (Italy), *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Michela De Felicibus (Università di Bologna)

17 September 2019

Mediterranean high-definition narratives, *DNRF site visit*, Aarhus University, Aarhus, Denmark
Michael Blömer (Aarhus University)

17 September 2019

East African biographies of place, *DNRF site visit*, Aarhus University, Aarhus, Denmark
Federica Sulas, Stephanie Wynne-Jones, Søren M. Kristiansen, Gry Barfod & Jesper Olsen (Aarhus University)

17 September 2019

Northern European network evolutions, *DNRF site visit*, Aarhus University, Aarhus, Denmark
Søren M. Sindbæk (Aarhus University)

17 September 2019

Quantification, networks and modelling, *DNRF site visit*, Aarhus University, Aarhus, Denmark
Tom Brughmans (University of Barcelona)

17 September 2019

Outreach activities: Collaboration, publication strategy and dissemination, *DNRF site visit*, Aarhus University, Aarhus, Denmark
Søren M. Sindbæk (Aarhus University)

24 September 2019

The digital trajectory of Danish town archaeology, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Johan S. Larsen (Aarhus University)

1 October 2019

Connecting the dots with valkyries and pots: A house from Ribe and its material culture, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Pieterjan S. Deckers (Aarhus University)

8 October 2019

Public space and the cultural resilience of Roman urbanism in the Near East, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Christopher P. Dickenson (Aarhus University)

22 October 2019

Reversed directions: New ideas on sceattas and the economy of northwestern Europe in the first half of the 8th century, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Frans Theuws (Leiden University)

5 November 2019

Precious colours: History and second life of Roman mosaic glass tesserae, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Cristina Boschetti (CNRS IRAMAT-Centre Ernest-Babelon)

12 November 2019

Silchester Roman town: The Town Life Project, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Michael Fulford (University of Reading)

19 November 2019

Forgotten trade routes and cities in early medieval western Georgia, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Emanuele E. Intagliata (Aarhus University)

26 November 2019

Glass production in Northern Italy: scientific evidence for glass trade and recycling practices in Early Medieval glass from Comacchio – Piazza XX Settembre, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Camilla Bertini (University of Nottingham)

3 December 2019

Provenance study of the Viking-age silver: Lead isotope and trace element analysis of Perm/ Glazov and Duesminde type rings, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Mahir Hrnjić (Aarhus University)

10 December 2019

Theorising the urban in central Italy c. 200 BCE to 200 CE, *UrbNet Lecture Series*, Aarhus University, Aarhus, Denmark
Christopher Smith (University of St Andrews)



Sampling a Viking-age brooch model for lead isotope analysis (Photo: Søren M. Sindbæk)

Many of these papers have been co-authored/co-presented with external collaborators, but for the purpose of this report, only the relevant UrbNet employee(s) is/are listed.

Invited talks

17 January 2019

Viking-age metal supply: Can we untap the evidence captured by metal prills inside vitrified matrixes of crucibles? Geology, archaeology and cultural heritage studies in a new light, University of Lund, Sweden

Søren M. Kristiansen

21 January 2019

The 2011–2018 work of the Danish-German Jerash Northwest Quarter Project: Results and perspectives, *Culture in Crisis: Flows of Peoples, Artifacts and Ideas*, University of Florence, Florence, Italy
Rubina Raja

21 January 2019

The Viking-age silver networks: Provenance analysis of Islamic coins, Perm/ Glazov and Duesminde ring types, 13th Scientific Conference on the Application Scientific Methods in Archaeology, University of Stavanger, Stavanger, Norway
Mahir Hrnjić

22 January 2019

Bag grav og planke: Nyt lys på Harald Blåtands borgpolitik, Foreningen Fyrkats Venner, Hobro, Denmark
Søren M. Sindbæk

22 January 2019

Best practice pre-excavation and geoarchaeology methods for identifying on-site activities in tropical, arid and temperate climates, 13th Scientific Conference on the Application Scientific Methods in Archaeology, University of Stavanger, Stavanger, Norway
Søren M. Kristiansen, Federica Sulas, Jesper Olsen, Rubina Raja & Søren M. Sindbæk

7 February 2019

Quantifying religion in Palmyra, *After Hours*, Princeton Institute for Advanced Study, Princeton, USA
Rubina Raja

7 February 2019

Byen hvor vikingetiden begyndte: Nye udgravninger i det ældste Ribe, Moesgaard Museum, Aarhus, Denmark
Søren M. Sindbæk

13 February 2019

Maps of imaginary places: Data analysis and pre-modern trade networks, *The Economic Archaeology & History Seminar Series*, Ghent University, Ghent, Belgium
Søren M. Sindbæk

14 February 2019

A northern emporium: Ribe and the emergence of North Sea trade, *Jeudi d'Archéologie Médiévale et Moderne*, Université Paris 1, Panthéon-Sorbonne, Paris, France
Søren M. Sindbæk

14 February 2019

Ribe en haute-definition: Méthodologie et application sur le 'Northern Emporium Excavations project', *Jeudi d'Archéologie Médiévale et Moderne*, Université Paris 1, Panthéon-Sorbonne, Paris, France
Sarah Croix

21 February 2019

Alas! Commemoration of the dead in Palmyra, *School of Historical Studies Seminar*, Princeton Institute for Advanced Study, Princeton, USA
Rubina Raja

22 February 2019

Representations of Palmyrene priests and the structure of the religious life of Palmyra, *Classics Colloquium*, Bryn Mawr College, Pennsylvania, USA
Rubina Raja

22 February 2019

The Doliche excavations: New results, *Klassiske Studiers Faglige Dag*, The Museum of Ancient Art, Aarhus, Denmark
Michael Blömer

26 February 2019

Det tidlige Rom under Cæsars Forum, *Scholarship Evening*, The Danish Academy in Rome, Rome, Italy
Nikoline Sauer

- 28 February 2019
Nordens emporium: Vikingernes Ribe, The Viking Ship Museum, Roskilde, Denmark
Søren M. Sindbæk
- 4 March 2019
Nordens emporium: Vikingernes Ribe, *Dansk Selskab for Oldtid og Middelalderforskning*, National Museum of Denmark, Copenhagen, Denmark
Søren M. Sindbæk
- 5 March 2019
Getting the dirt on the inhabitants of Ribe: A microscopic journey, *UrbNet Lecture Series*, Aarhus University, Aarhus
Barbora Wouters & Pernille L. K. Trant
- 7 March 2019
Changing lifestyles and the beginnings of urbanism in Scandinavia, *Nature and Culture in Medieval Towns*, Oslo University, Oslo, Norway
Sarah Croix
- 15 March 2019
New inscriptions from Gerasa/Jerash: The so-called Synagogue-Church and surroundings, *Epigraphic Friday*, Princeton Institute for Advanced Study, Princeton, USA
Rubina Raja
- 19 March 2019
Palmyrene priests: Iconography and the structure of religious life in Palmyra, *Ancient Studies Seminar*, Princeton Institute for Advanced Study, Princeton, USA
Rubina Raja
- 21 March 2019
World premiere: Almost human, *CPH:DOX*, Ny Carlsberg Glyptotek, Copenhagen, Denmark
Rubina Raja
- 22 March 2019
Militarising Palmyra: 4th–6th c. AD, *The Late Antique Urban Landscape: Continuity, Transformation, and Innovation at the Juncture of the Classical and the Early Medieval*, University of Edinburgh, Edinburgh, Scotland
Emanuele E. Intagliata
- 25 March 2019
Objects and encounters on the medieval East African coast, *Africa in the Medieval World Lecture Series*, Harvard University, Cambridge, USA
Stephanie Wynne-Jones
- 28 March 2019
Representations of Palmyrene priests: Between local traditions and global outlooks, *The World between Empires*, The Metropolitan Museum, New York, USA
Rubina Raja
- 30 March 2019
Den nyeste viden om det ældste København, *Historiske Dage*, Øksnehallen, Copenhagen, Denmark
Hanna Dahlström
- 2 April 2019
Bag grav og planke: Nyt lys på Harald Blåtands borgpolitik, *Museet Kongernes Jelling*, Jelling, Denmark
Søren M. Sindbæk
- 5 April 2019
Aan de rand van de stad: micromorfologisch onderzoek in leper (Colaertplein), *BNA-Contactdagen*, Thomas More, Mechelen, Belgium
Barbora Wouters
- 6 April 2019
Metodisk udvikling: Ældre og nyere metoder i samspil i arkæologien, *Introduktion til Humaniora*, Moesgaard Museum, Aarhus, Denmark
Rubina Raja
- 9 April 2019
Da København blev en by, *København til Kaffen*, Museum of Copenhagen, Copenhagen, Denmark
Hanna Dahlström
- 11 April 2019
The strange attraction of Viking-age urbanism: The predicament of emporia, *84th Annual Meeting of the Society for American Archaeology*, Albuquerque Convention Center, Albuquerque, USA
Søren M. Sindbæk
- 11 April 2019
Seasonal, dispersed and ephemeral, *84th Annual Meeting of the Society for American Archaeology*, Albuquerque Convention Center, Albuquerque, USA
Roland Fletcher
- 12 April 2019
Jupiter Dolichenus und Jupiter Heliopolitanus: Ein Vergleich, *Kulte und Religion in Baalbek/ Heliopolis*, German Archaeological Institute, Berlin, Germany
Michael Blömer
- 13 April 2019
Towns under the microscope: Revising historical narratives on the development of medieval towns and their markets in Northwestern Europe, *84th Annual Meeting of the Society for American Archaeology*, Albuquerque Convention Center, Albuquerque, USA
Barbora Wouters
- 18 April 2019
Palmyran art and the East, *Palmyra and the East*, J. Paul Getty Museum, Getty Villa, Los Angeles, USA
Rubina Raja
- 19 April 2019
Edessa, Palmyra and the sculpture of Syro-Mesopotamia in the first three centuries AD, *Palmyra and the East*, J. Paul Getty Museum, Getty Villa, Los Angeles, USA
Michael Blömer
- 19 April 2019
The fate of Palmyra and the East after Zenobia, *Palmyra and the East*, J. Paul Getty Museum, Getty Villa, Los Angeles, USA
Emanuele E. Intagliata
- 22 April 2019
Transport, cities and size, *University of Sydney*, Sydney, Australia
Roland Fletcher
- 29 April 2019
Creating a memory of urban Rome: The case of the Forum Iulium, *Caesar's Past and Posterity's Caesar*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Rubina Raja
- 29 April 2019
Memory and monarchy, *Caesar's Past and Posterity's Caesar*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Sine G. Saxkjær
- 30 April 2019
Nineteenth-century Caesars: Caesar in a time of Danish national awakening, *Caesar's Past and Posterity's Caesar*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Trine A. Hass
- 2 May 2019
Geoarchaeology in Ribe, Northern Emporium: *The Archaeology of Network Urbanism in Ribe*, Aarhus University, Aarhus, Denmark
Barbora Wouters

2 May 2019

775 CE: Annual calibration and high-definition radiocarbon, *The Archaeology of Network Urbanism in Ribe*, Aarhus University, Aarhus, Denmark
Bente Philippsen & Jesper Olsen

2 May 2019

3D scanning: Context and metacontext, *The Archaeology of Network Urbanism in Ribe*, Aarhus University, Aarhus, Denmark
Sarah Croix

2 May 2019

The urban network of Tating ware, *The Archaeology of Network Urbanism in Ribe*, Aarhus University, Aarhus, Denmark
Pieterjan S. Deckers

2 May 2019

Fra Djengis Khan til vikingerne: Proteiner fra dragter fra mumier og grave, *Vin og Videnskab*, Natural History Museum of Denmark, Copenhagen, Denmark
Luise Ø. Brandt

2 May 2019

The Vikings and Aarhus: Whither the Viking Age?, *Moynihan Chirurgical Club Spring Meeting*, Oasia Hotel, Aarhus, Denmark
Sarah Croix

8 May 2019

Udviklingen i arkæologisk metode: Hvordan, hvorfor og hvorfor ikke?, *Fælles Fagdag for Arkæologi*, Aarhus University, Aarhus, Denmark,
Johan S. Larsen

13 May 2019

Cities and their images of sacred space on coins as reflections of urban religion, *Urban Religion and Urban Landscapes in the First Millennium CE*, Moesgaard Museum, Aarhus, Denmark
Rubina Raja

13 May 2019

Religion on the agoras of Greece and Asia Minor under the early Empire: Processions, sacrifices and the rhythms of daily life, *Urban Religion and Urban Landscapes in the First Millennium CE*, Moesgaard Museum, Aarhus, Denmark
Christopher P. Dickenson

13 May 2019

Aspects of urban religion in Roman Anatolia: The case of Caesarea in Cappadocia, *Urban Religion and Urban Landscapes in the First Millennium CE*, Moesgaard Museum, Aarhus, Denmark
Michael Blömer

13 May 2019

Trade, traders and religion in gateway-cities of the Roman world, *Urban Religion and Urban Landscapes in the First Millennium CE*, Moesgaard Museum, Aarhus, Denmark
Eivind H. Seland

15 May 2019

Objects and encounters at Songo Mnara, *40th Anniversary Open Lecture Series*, University of York, York, United Kingdom
Stephanie Wynne-Jones

19 May 2019

Doliche and Roman Commagene, *Commagene*, Istanbul, Turkey
Michael Blömer

21 May 2019

Urbanising the Palmyrene Desert in Antiquity: Looking for climate change as a factor, *Urbanising Landscapes and Traditions of Change in Africa and Beyond*, Aarhus University, Aarhus, Denmark,
Rubina Raja

21 May 2019

Environmental change impacts in sub-Saharan Africa: Beyond the social ramifications, *Urbanising Landscapes and Traditions of Change in Africa and Beyond*, Aarhus University, Aarhus, Denmark,
Innocent Pikirayi

21 May 2019

Indigenous African home-garden technique as a sustainable and climate-smart agriculture alternative, *Urbanising Landscapes and Traditions of Change in Africa and Beyond*, Aarhus University, Aarhus, Denmark
Søren M. Kristiansen

4 June 2019

Burying early Rome: Late Bronze-age to early Iron-age burials from the Forum of Caesar, *The Forum of Julius Caesar in Rome*, Aarhus University, Aarhus, Denmark
Nora Petersen

4 June 2019

When Rome became Rome: An investigation of Rome in the archaic period starting from the Forum of Caesar, *The Forum of Julius Caesar in Rome*, Aarhus University, Aarhus, Denmark
Nikoline Sauer

4 June 2019

Urban development in Rome: Space through time, *The Forum of Julius Caesar in Rome*, Aarhus University, Aarhus, Denmark
Line E. Hejlskov

5 June 2019

Sample preparation tests for radiocarbon dating of mortars, *Methods of Absolute Chronology*, Silesian University of Technology, Tarnowskie Góry, Poland
Thomas S. Daugbjerg

13 June 2019

Ribe's emporium: Some recent excavations, *3rd Dorestad Congress*, Rijksmuseum, Leiden, The Netherlands
Sarah Croix

18 June 2019

A fully automated ABA preparation system for radiocarbon samples: LavachronTM, *The 23rd International Radiocarbon Conference*, Norwegian University of Science and Technology, Trondheim, Norway
Bente Philippsen, Jesper Olsen & Mikkel F. Schou

19 June 2019

Identification of silver surface enrichment in historical silver coins: A method improvement and a study of trace element behaviour, *Archaeometallurgy in Europe 2019*, University of Miskolc, Miskolc, Hungary
Gry Barfod, Thomas Birch, Mahir Hrnjić, Søren M. Sindbæk & Charles Leshner

20 June 2019

The production, circulation and function of the local Palmyrene coinage, *The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Nathalia B. Kristensen

20 June 2019

Provenance study of Viking-age silver rings, *Archaeometallurgy in Europe 2019*, University of Miskolc, Miskolc, Hungary
Gry Barfod, Thomas Birch, Mahir Hrnjić, Søren M. Sindbæk & Charles Leshner

20 June 2019

Civic coins and urban networks: Palmyra and its coinage in a regional perspective, *The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Michael Blömer

20 June 2019

Post-Roman coinage in Palmyra: Two notes on circulation and coin hoarding, *The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Emanuele E. Intaligata

20 June 2019

Exploring the religious and social life of Palmyra through the banqueting tesserae, *The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Rubina Raja

20 June 2019

Caravan trade in Palmyrene tesserae and coins?, *The Small Stuff of the Palmyrenes: The Coins and Tesserae of Palmyra*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Eivind H. Seland

24 June 2019

Urbanism vs the gods: Exploring the role of religion in shaping the towns of Roman Britain, *An Archaeology of Ancient Religion*, Schæffergården, Gentofte, Denmark
Christopher P. Dickenson

24 June 2019

Cities and their images of sacred spaces on coins: Reflections of urban religion?, *An Archaeology of Ancient Religion*, Schæffergården, Gentofte, Denmark
Rubina Raja

24 June 2019

Urban religion beyond the city limits, *An Archaeology of Ancient Religion*, Schæffergården, Gentofte, Denmark,
Michael Blömer

27 June 2019

Mapping the invisible traces: Soil geochemistry of the burial floor of the horseman grave at Fregerslev, *Horse and Rider in the Late Viking Age: Equestrian Burial in Perspective*, Museum Skanderborg, Skanderborg, Denmark
Vana Orfanou, Federica Sulas & Søren M. Kristiansen

27 June 2019

Mapping the microscopic traces: Soil micromorphology at the Fregerslev II horseman grave, *Horse and Rider in the Late Viking Age: Equestrian Burial in Perspective*, Museum Skanderborg, Skanderborg, Denmark
Vana Orfanou, Federica Sulas & Søren M. Kristiansen

2 July 2019

Tracing the trigger for social change through trade networks in medieval Odense, Denmark, *IMC: Leeds International Medieval Congress*, University of Leeds, Leeds, United Kingdom
Kirstine Haase

3 July 2019

The logic of cultural evolutionary theory: Problems and possibilities, Oxford University, Oxford, United Kingdom
Roland Fletcher

22 August 2019

Coldest case: Archaeology and fire investigations at Borgring, 8th European Meeting on Forensic Archaeology, Moesgaard Museum, Aarhus, Denmark
Søren M. Sindbæk

4 September 2019

High-resolution geochemical evidence for the use of indoor space in Viking-age Ribe, Denmark, using a handheld XRF, *European Association of Archaeologists Annual Meeting 2019*, University of Bern, Bern, Switzerland
Søren M. Kristiansen, Søren M. Sindbæk, Pernille L. K. Trant & Barbora Wouters

4 September 2019

100 years of remote sensing and urban sprawl: Multi-temporal, multi-sensor mapping of a historic city, *European Association of Archaeologists Annual Meeting 2019*, University of Bern, Bern, Switzerland
Søren M. Kristiansen & Rubina Raja

5 September 2019

Preliminary charcoal and phytolith analysis from an early Swahili daub house at Unguja Ukuu, Zanzibar (c. 7th–14th century AD), *The 7th International Anthracology Meeting: Charcoal Science in Archaeology and Palaeoecology*, University of Liverpool, Liverpool, United Kingdom
Stephanie Wynne-Jones, Peter H. Mikkelsen & Federica Sulas

5 September 2019

Store danske arkæologer: På jagt efter fortidens byer, *Bogtorsdage - Nye bøger i bibliotekshaven*, Royal Danish Library Aarhus, Aarhus, Denmark
Eva Mortensen & Rubina Raja

7 September 2019

Archaeological perspectives on reform and revolution: Material culture in the long eleventh century, *European Association of Archaeologists Annual Meeting 2019*, University of Bern, Bern, Switzerland
Pieterjan Deckers

7 September 2019

Placing horse ownership and use in 11th-century Europe, *European Association of Archaeologists Annual Meeting 2019*, University of Bern, Bern, Switzerland
Pieterjan Deckers

11 September 2019

Nordens emporium: Vikingernes Ribe, Moesgaard Museum, Aarhus, Denmark
Søren M. Sindbæk

13 September 2019

A study of medieval Polish denars of the Piast dynasty: Alloy composition and determination of surface deposits by a multi analytical methodology, *Jahrestagung Archäometrie und Denkmalpflege 2019*, Academy of Fine Arts Vienna, Vienna, Austria
Mahir Hrnjić

16 September 2019

Digital pasts and futures in Danish town archaeology, *Dialogues with the Past*, The Norwegian Institute, Rome, Italy
Johan S. Larsen

25 September 2019

775: Året da solen skælvede: Med kultstof-14 på jagt efter vikingetidens begyndelse i Ribe, *Det Antikvariske Selskab Seminar*, Museet Ribes Vikinger, Ribe, Denmark
Søren M. Sindbæk & Jesper Olsen

- 25 September 2019
Public space and the cultural resilience of Roman urbanism in the Near East, *City, Hinterland and Environment: Urban Resilience in the Late Roman and Early Islamic Period*, University of Bergen, Bergen, Norway
Christopher P. Dickenson
- 1 October 2019
Synopsis: Hedeby/ Slesvig, Danevirke and beyond, *Wiking Museum Haithabu*, Schleswig, Germany
Søren M. Sindbæk
- 4 October 2019
Sul significato culturale di uno stile indigeno di VII e VI secolo a.C. da Timpone della Motta e Amendolara, *Dal Pollino all'Orsomarso: Ricerche Archeologiche tra Lonio e Tirreno*, San Lorenzo Bellizzi, Italy
Sine G. Saxkjær
- 7 October 2019
The forum basilicas of Roman Britain and the problem of public space, *Dansk Selskab for Oldtid og Middelalder*, National Museum of Denmark, Copenhagen, Denmark
Christopher P. Dickenson
- 14 October 2019
Archeologische metaaldetectievondsten in Vlaanderen – and some thought on the future alignment of object vocabularies, *Das rechte Wort am rechten Platz: Kontrolliertes Objektvokabular in der Achäologie*, Hamburg, Germany
Pieterjan Deckers
- 14 October 2019
An urban way of life: Social practices, networks and identities in Odense, AD 1000–1500, *Urbana Nyheter: Ny Forskning på den Medeltida Staden*, Lunds Universitet, Lund, Sweden
Kirstine Haase
- 14 October 2019
The Swahili world in the medieval globe: Writing history with things, *St Andrews Medieval Studies Seminar*, University of St Andrews, St Andrews, Scotland
Stephanie Wynne-Jones
- 18 October 2019
Solar flare events and high-definition datings in archaeology, *The Archaeology of Seasonality*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Jesper Olsen
- 18 October 2019
The sanctuary of Jupiter Dolichenus at Doliche and the seasonality of sacrifice, *The Archaeology of Seasonality*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Michael Blömer
- 18 October 2019
Seasonality and urban economy: The case of Gerasa in Jordan, *The Archaeology of Seasonality*, The Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark
Rubina Raja
- 4 November 2019
Northern Emporium: Ribe and the making of the Viking Age, *Cambridge University*, Cambridge, United Kingdom
Søren M. Sindbæk
- 6 November 2019
Colchis after the Golden Fleece: Preliminary results of the first season of excavations at Machkhomeri – western Georgia, *Seminars of the School of Culture and Society*, Aarhus University, Aarhus, Denmark
Emanuele E. Intagliata
- 7 November 2019
Elusive houses, buries soils and freshwater in urbanising landscapes, *Oslo University*, Oslo, Norway
Federica Sulas
- 8 November 2019
Rom blev ikke bygget på én dag: En undersøgelse af Roms urbane udvikling i den arkaiske periode med udgangspunkt i området for Cæsars Forum, *Klassisk Arkæologisk Forening Seminar*, University of Copenhagen, Copenhagen, Denmark
Nikoline Sauer
- 21 November 2019
Broken links: The challenges of network analysis in archaeology, *Umeå University*, Umeå, Sweden
Søren M. Sindbæk
- 27 November 2019
Travel, religion and trade: Exploring the cosmopolitan world of the medieval Indian Ocean through daily life in an East African town, *Oxford Talks*, University of Oxford, Oxford, United Kingdom
Stephanie Wynne-Jones
- 28 November 2019
Slow: En aften om graven, *Ny Carlsberg Glyptotek*, Copenhagen, Denmark
Rubina Raja
- 2 December 2019
Complexity, fragility, urban risk and survival: A conundrum, *Third C3 Symposium*, University of Sydney, Sydney, Australia
Roland Fletcher
- 3 December 2019
Assembling the cast: Valkyries and other amulettic metalwork produced in Viking-age Ribe, *Faculty of Archaeology Seminar*, Leiden University, Leiden, Netherlands
Pieterjan Deckers
- 16 December 2019
Archaeological perspectives on Islam and Islamisation on the southern Swahili coast, *Archaeological Perspectives on Conversion to Islam and Islamisation in Africa*, University of Exeter, Exeter, United Kingdom
Stephanie Wynne-Jones
- 16 December 2019
Archival studies in time of conflict: Research on late Antique and early Islamic Palmyra at the Fonds d'Archives Paul Collart (UNIL), *Conférence Internationale de Lausanne sur Palmyre*, Institut d'archéologie et des sciences de l'antiquité, l'Université de Lausanne
Emanuele E. Intagliata
- 17 December 2019
Urbanism, settlement trajectories, and global analysis, *Shanghai University*, Shanghai, China
Roland Fletcher
- 17 December 2019
Forschungen in Doliche 2019, *Asia Minor Abend*, Münster, Germany
Michael Blömer



A game of 'rundbold' at the UrbNet centre day, 20 August 2019. (Photo: Søren M. Sindbæk)

Visitors and Conference Participants

- 11 January–7 July 2019
Sebastian Whybrew (Westfälische Wilhelms-Universität Münster)
- 21–23 January 2019
Martin Seeliger (Goethe-Universität Frankfurt)
- 25 February–7 March 2019
Rutheve Jackson-Tal (Hebrew University of Jerusalem)
- 26 March 2019
Jim Crow (University of Edinburgh)
- 21 April–30 June 2019
Eivind H. Seland (University of Bergen)
- 22–26 April 2019
Simon Malmberg (University of Bergen)
- 22–27 April 2019
Dimitris Plantzos (University of Athens)
- 22–27 April 2019
Efraim-Athanasios Andreadakis (University of Athens)
- 22–27 April 2019
Emmanouil Papadakis (University of Athens)
- 22–27 April 2019
Konstantina Eleftheriadi (University of Athens)
- 22–27 April 2019
Konstantinos Raptis (University of Athens)
- 22–27 April 2019
Mantha Zarmakoupi (University of Athens)
- 22–27 April 2019
Vasiliki Polychroniou (University of Athens)
- 22–27 April 2019
Christina Videbech (University of Bergen)
- 22–27 April 2019
Geirmund Tyrti (University of Bergen)
- 22–27 April 2019
Gunvor Marie Lien (University of Bergen)
- 22–27 April 2019
Kristin M. Underhaug (University of Bergen)
- 22–27 April 2019
Margrethe S. Erstad (University of Bergen)
- 22–27 April 2019
Nina K. Vaksdal (University of Bergen)
- 22–27 April 2019
Siri Nygård-Tokehagen (University of Bergen)
- 22–27 April 2019
Liska-M. Jensen (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Marcel Deckert (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Romy Plath (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Sixt Baumann (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Stefan Feuser (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Stephanie Merten (Christian-Albrechts-Universität zu Kiel)
- 22–27 April 2019
Alain Duploux (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Alexa Gallo (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Anastasia Strousopoulou (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Andréa Poiret (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Dimitra Mazaraki (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Océane Duboust (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Rachel Ramadan-Fourcadier (Université Paris 1, Panthéon-Sorbonne)
- 22–27 April 2019
Alex K. Jensen (Aarhus University)
- 22–27 April 2019
Christian W. Bech (Aarhus University)
- 22–27 April 2019
Mariette Larsen (Aarhus University)
- 22–27 April 2019
Mathias H. Johansen (Aarhus University)
- 23–27 April 2019
Tane H. (University of Bergen)
- 23–26 April 2019
Frode Ims (University of Bergen)
- 24–27 April 2019
Francis Brouns (Open University The Netherlands)
- 28–30 April 2019
Bridget England (University College London)
- 28–30 April 2019
Carsten Lange (Aalborg University)
- 28–30 April 2019
Jesper Majbom Madsen (University of Southern Denmark)
- 28–30 April 2019
Karl Galinsky (University of Texas at Austin)
- 28–30 April 2019
Maria Wyke (University College London)
- 28–30 April 2019
Paolo Liverani (University of Florence)
- 28–30 April 2019
Marianne Pade (The Danish Academy in Rome)
- 28–30 April 2019
Thomas Biskup (University of Hull)
- 29–30 April 2019
Anders Jensen (Nørresundby Gymnasium)

- 29–30 April 2019
Anna Minor (University of Copenhagen)
- 29–30 April 2019
Anne Marie Nielsen (Ny Carlsberg Glyptotek)
- 29–30 April 2019
Annette Rathje (University of Copenhagen)
- 29–30 April 2019
Birte Poulsen (Aarhus University)
- 29–30 April 2019
Cecilie Brøns (Ny Carlsberg Glyptotek)
- 29–30 April 2019
Elisabeth Nedergaard (Nørresundby Gymnasium)
- 29–30 April 2019
Gert Sørensen (University of Copenhagen)
- 29–30 April 2019
Ida Östenberg (University of Gothenburg)
- 29–30 April 2019
Jane Fejfer (University of Copenhagen)
- 29–30 April 2019
Jesper Carlsen (University of Southern Denmark)
- 29–30 April 2019
Katja Vinter (University of Copenhagen)
- 29–30 April 2019
Mette Moltesen (Independent)
- 29–30 April 2019
Mikkel Jørgensen (University of Copenhagen)
- 29–30 April 2019
Nicolai B. Thorning (Aarhus University)
- 29–30 April 2019
Per M. Rasmussen (The Saxo Institute, University of Copenhagen)
- 29–30 April 2019
Rikke Christiansen (University of Copenhagen)
- 29–30 April 2019
Tobias Fischer-Hansen (Independent)
- 29–30 April 2019
Vinnie Nørskov (Aarhus University)
- 30 April 2019
Bengerd M. J. Thorsen (Gammel Hellerup Gymnasium)
- 26 April –1 May 2019
Christopher Hallett (UC Berkeley)
- 28 April–1 May 2019
Giuseppe Zecchini (Università Cattolica del Sacro Cuore)
- 28 April –1 May 2019
Henriette Van der Blom (University of Birmingham)
- 28 April–1 May 2019
Miryana Dimitrova (Independent)
- 29–30 April 2019
Sebastian Whybrew (Westfälische Wilhelms-Universität Münster)
- 29 April–1 May 2019
Emiliano Urciuoli (Max-Weber-Kolleg, Universität Erfurt)
- 2–3 May 2019
Karen Milek (Durham University)
- 12–15 May 2019
Asuman Lätzer-Laser (Max-Weber-Kolleg, Universität Erfurt)
- 12–15 May 2019
Eivind H. Seland (University of Bergen)
- 12–15 May 2019
Elina Lapinoja (University of Helsinki)
- 12–15 May 2019
Ilkka Lindstedt (University of Helsinki)
- 12–15 May 2019
Jan Stenger (University of Glasgow)
- 12–15 May 2019
Marlis Arnhold (Universität Bonn)
- 12–15 May 2019
Raimo T. Hakola (University of Helsinki)
- 12–15 May 2019
Laurent Tholbecq (Université Libre de Bruxelles)
- 12–18 May 2019
Jörg Rüpke (Max-Weber-Kolleg, Universität Erfurt)
- 14–16 May 2019
Alix Thoeming (University of Sydney)
- 21 May 2019
Annette S. Hansen (Aarhus University)
- 21 May 2019
Felix Riede (Aarhus University)
- 21 May 2019
Joshua Cohen (Aarhus University)
- 21 May 2019
Lotte Meinert (Aarhus University)
- 21 May 2019
Martin Høbye (Aarhus University)
- 21 May 2019
Mikkel Thelle (Aarhus University)
- 21 May 2019
Paul Lane (University of Cambridge)
- 21 May 2019
Peter Mortensen (Aarhus University)
- 21 May 2019
Polina Chebotareva (School of Architecture, Aarhus)
- 22–23 May 2019
Henry C. W. Price (Imperial College London)
- 22–23 May 2019
Lieve Donnellan (Aarhus University)
- 22–23 May 2019
Louise Felding (Aarhus University)
- 22–23 May 2019
Mathias Broch (De Kulturhistoriske Museer i Holstebro Kommune)
- 22–23 May 2019
Ray Rivers (Imperial College London)
- 22–23 May 2019
Tom Brughmans (University of Oxford)
- 22–23 May 2019
Toon Bongers (Universiteit Gent)
- 1–22 June 2019
Michael Smith (Arizona State University)
- 1–28 June 2019
Roland Fletcher (University of Sydney)
- 4 June 2019
Andrea Brock (University of St Andrews)
- 4 June 2019
Annette Rathje (University of Copenhagen)
- 4 June 2019
Christopher Smith (University of St. Andrews)
- 4 June 2019
Francesca Fulminante (University of Bristol)

- 4 June 2019
Jan K. Jacobsen (The Danish Academy in Rome)
- 4 June 2019
Penelope Davies (University of Texas at Austin)
- 4 June 2019
Sine G. Saxkjær (The Danish Academy in Rome)
- 4 June 2019
Valentino Nizzo (Museo Nazionale Etrusco di Villa Giulia)
- 23 April–15 June 2019
Innocent Pikirayi (University of Pretoria)
- 5–8 June 2019
Stephanie Wynne-Jones (University of York)
- 13 June 2019
Nic Terrenato (University of Michigan)
- 19–22 June 2019
Aleksandra Kubiak-Schneider (Independent)
- 19–22 June 2019
Annie Sartre-Fauriat (Université de Tours)
- 19–22 June 2019
Antonino Crisà (University of Warwick)
- 19–21 June 2019
Eivind H. Seland (University of Bergen)
- 19–22 June 2019
Jean-Baptiste Yon (Laboratoire HiSoMa)
- 19–22 June 2019
Kevin Butcher (University of Warwick)
- 19–22 June 2019
Maurice Sartre (Université de Tours)
- 19–22 June 2019
Michael Sommer (University of Oldenburg)
- 19–22 June 2019
Michał Gawlikowski (Warsaw University)
- 19–22 June 2019
Nathanael Andrade (Binghamton University)
- 19–22 June 2019
Ted Kaizer (Durham University)
- 20–21 June 2019
Ann-Christine Sander (Carl von Ossietzky Universität Oldenburg)
- 20–21 June 2019
Anne Katrine de Hemmer Gudme (University of Copenhagen)
- 20–21 June 2019
Anne Marie Nielsen (Ny Carlsberg Glyptotek)
- 23–25 June 2019
Asuman Lätzer-Lasar (Max-Weber-Kolleg, Universität Erfurt)
- 23–26 June 2019
Anna-Katharina Rieger (Max-Weber-Kolleg, Universität Erfurt)
- 23–26 June 2019
Anja Klöckner (Goethe Universität Frankfurt)
- 23–26 June 2019
Christopher Hallett (UC Berkeley)
- 23–26 June 2019
Laura Nasrallah (Harvard University)
- 23–26 June 2019
Miko Flohr (Leiden University)
- 23–26 June 2019
Eivind H. Seland (University of Bergen)
- 13–15 August 2019
Enid Allison (Canterbury Trust)
- 23–26 June 2019
Jörg Rüpke (Max-Weber-Kolleg, Universität Erfurt)
- 14–15 August 2019
Maria Knudsen (Museum of Southwest Jutland)
- 14–15 August 2019
Sarah S. Qvistgaard (Museum of Southwest Jutland)
- 14–15 August 2019
Claus Feveile (Museum of Southwest Jutland)
- 10 September 2019
Sebastian Stride (SIRIS Academic)
- 16–18 September 2019
Hanna Dahlström (Museum of Copenhagen)
- 16–18 September 2019
Olav E. Gundersen (Kulturhistorisk Museum, University of Oslo)
- 16–19 September 2019
Iza Romanowska (Barcelona Supercomputing Center)
- 16–19 September 2019
Tom Brughmans (University of Barcelona)
- 17 September 2019
Lotte Hedeager (University of Oslo)
- 17 September 2019
Paul Lane (University of Uppsala)
- 17 September 2019
Patrick DeGryse (Leiden University)
- 17 September 2019
Mette Müller (The Danish National Research Foundation)
- 17 September 2019
Kirstine Haase (Odense City Museums)
- 17 September 2019
Kristine Thomsen (Independent)
- 1 July–20 September 2019
Michela De Felicibus (University of Bologna)
- 9–10 October 2019
Ernst Pernicka (Curt-Engelhorn-Zentrum Archäometrie gGmbH Büro)
- 9–10 October 2019
Birgitta Hårdh (Lund University)
- 16–19 October 2019
Achim Lichtenberger (Westfälische Wilhelms-Universität Münster)
- 16–19 October 2019
Anke Walter (Newcastle University)
- 16–19 October 2019
Erica Rowan (Royal Holloway, University of London)
- 16–19 October 2019
Felice Larocca (Centro Regionale di Speleologia Enzo dei Medici)
- 16–19 October 2019
Felix Höflmayer (Österreichische Akademie der Wissenschaften)
- 16–19 October 2019
Jan K. Jacobsen (The Danish Academy in Rome)
- 16–19 October 2019
Katharina Streit (Hebrew University of Jerusalem)
- 16–19 October 2019
Lisa Nevett (University of Michigan)
- 16–19 October 2019
Massimo Osanna (Parco Archeologico di Pompei)

16–19 October 2019
Penelope Allison (University of Leicester)

16–19 October 2019
Steve Rosen (Ben Gurion University of the Negev)

16–19 October 2019
Werner Tietz (Universität zu Köln)

16–19 October 2019
Will Wootton (King's College London)

21–24 October 2019
Frans Theuws (Leiden University)

1 September–31 October 2019
Camille Gorin (Université Paris 1, Panthéon-Sorbonne)

27–29 October 2019
Ian Simpson (University of Stirling)

5 November 2019
Cristina Boschetti (IRAMAT-Centre Ernest-Babelon)

7–8 November 2019
Rosie Bonté (Brepols Publishers)

8 November 2019
Hans Ørbæk (Errata)

8 November 2019
Line Slemming (Aarhus University)

8 November 2019
Louise K. Fischmann (The Royal Danish Library)

8 November 2019
Hella Kastbjerg (Aarhus University)

12 November 2019
Michael Fulford (University of Reading)

25–28 November 2019
Camilla Bertini (University of Nottingham)

21 October–15 December
Christopher J. Smith (University of St Andrews)

Achim Lichtenberger (Westfälische Wilhelms-Universität Münster)

Adria LaVioletta (University of Virginia)

Agni Prijatejl (Durham University)

Ailsa Mainmann (University of York)

Alain Duplouy (University of Paris 1, Panthéon-Sorbonne)

Alain Schnapp (Université Paris 1, Panthéon-Sorbonne)

Aleksandr Vybornov (Samara State University of Social Sciences and Education)

Alexandra Fogtman-Schulz (Aarhus University)

Alexandra McClain (University of York)

Alexandra Uscatescu (Universidad Complutense Madrid)

Alexandre Disser (Center National de la Recherche Scientifique)

Alf Lindroos (Åbo Akademi)

Alfred Hirt (University of Liverpool)

Anastasia Gadoulou (Department of Prehistoric and Classical Antiquities, Ministry of Culture and Sports, Greece)

Anders V. Christiansen (Aarhus University)

Anders B. Dahl (Technical University of Denmark)

Anders H. Knudsen (Mikrolab Aarhus A/S)

Andreas Dobat (Aarhus University)

Andreas Kropp (University of Nottingham)

Angelos Chaniotis (Institute for Advanced Study, Princeton)

Anna Solovyeva (Aarhus University)

Anna Wessman (Helsinki University)

Anna-Katharina Rieger (Max-Weber-Kolleg, Universität Erfurt)

Annalisa Christie (University of York)

Anne Louise Schmidt (University of Copenhagen)

Anne Nissen (Université Paris 1, Panthéon-Sorbonne)

Anne Pedersen (National Museum of Denmark)

Annette Haug (Christian-Albrechts-Universität zu Kiel)

Annette Rathje (University of Copenhagen)

Annika Burns (University of Leicester)

Anouk Busset (University of Glasgow)

Aris Tsaravopoulos (Greek Ministry of Culture)

Artur Gramacki (University of Zielona Gora)

Ashot Margaryan (University of Copenhagen)

Asta Vasiliauskaite (Vytautas the Great War Museum)

Barbara A. Porter (The American Center of Oriental Research Jordan)

Barbora Wouters (Vrije Universiteit Brussels)

Bart Bartholomieux (Monument Vandekerckhove NV)

Benedikt Eckhardt (Universität Bremen)

Bert Smith (University of Oxford)

Birgitta Hårdh (Lund University)

Birte Poulsen (Aarhus University)

Bjørnar Måge (Museum Lolland-Falster)

Camilla H. Trinderup (Technical University of Denmark)

Carmen Ting (University of Cyprus)

Carsten Gundlach (Technical University of Denmark)

Caspar Meyer (University of London)

Catherine M. Draycott (Durham University)

Cecilie Brøns (Ny Carlsberg Glyptotek)

Chris Clark (Bolder Software)

Christian Isendahl (University of Gothenburg)

Collaborators

- Christina Rosén (Statens Historiska Museum)
- Christina Toreld (Bohusläns Museum)
- Christoffer Karoff (Aarhus University)
- Christophe Pottier (École française d'Extrême-Orient)
- Christoph Eger (Freie Universität Berlin)
- Christopher Hallet (UC Berkeley)
- Christopher Smith (University of St Andrews)
- Claude Vibert-Guigue (Le Centre National de la Recherche Scientifique)
- Claudia Baittinger (National Museum of Denmark)
- Claudio P. Presicce (Sovrintendenza Capitolina ai Beni Culturali)
- Claus Feveile (Museum of Southwest Jutland)
- Claus Skriver (Moesgaard Museum)
- Consuelo Manetta (University of Exeter)
- Cristiano Nicosia (University of Padua)
- Damian Evans (École française d'Extrême-Orient)
- Dana Pilz (Eastern Atlas)
- David S. Leigh (University of Georgia)
- Davit Naskidashvili (Ivane Javakishvili Tbilisi State University)
- Dawit Solomon (Cornell University)
- Dennis M. Beck (Deutsches Archäologisches Institut)
- Dilek Çobanoğlu (Westfälische Wilhelms-Universität Münster)
- Dorte Sommer (The Royal Danish Academy of Fine Arts)
- Dries Tys (Vrije Universiteit Brussel)
- Ed Lyne (Museum of Copenhagen)
- Eduardo Jiménez-Hidalgo (Universidad del Mar, Oaxaca)
- Edward Pollard (British Institute in Eastern Africa)
- Ejvind Hertz (Museum Skanderborg)
- Eivind H. Seland (University of Bergen)
- Elinaza Mjema (University of Dar es Salaam)
- Elton M. Sagiya (National Museums and Monuments of Zimbabwe)
- Engelbert Winter (Westfälische Wilhelms-Universität Münster)
- Enrico Cappellini (National History Museum of Denmark)
- Eréndira Q. Morales (Rice University)
- Erofilii-Irida Kolia (Ephorate of Antiquities of Iliia, Ministry of Culture and Sports, Greece)
- Eske Willerslev (Centre for GeoGenetics)
- Eveline Salzmänn (Göthe Universität Frankfurt)
- Ewelina Miśta-Jaubowska (National Centre for Nuclear Research)
- Fausto Sarmiento (University of Georgia)
- Filipe J. G. Vierira (National History Museum of Denmark)
- Flemming Højlund (Moesgaard Museum)
- Fleur Kemmers (Göthe Universität Frankfurt)
- François Villeneuve (Université Paris 1, Panthéon-Sorbonne)
- Fred Albertson (University of Memphis)
- Freda Nkirote (British Institute in Eastern Africa)
- Geoff Allen (University of Bath)
- Georg Kalaitzoglou (Westfälische Wilhelms-Universität Münster)
- Georgiana Moraitou (National Archaeological Museum of Athens)
- Gerard Barrett (Queen's University Belfast)
- Gerarda Dručkuviene (Vytautas the Great War Museum)
- Glen Bowersock (Institute for Advanced Study, Princeton)
- Graham A. Hagen-Peter (Geological Survey of Norway)
- Greg Woolf (University of London)
- Grzegorz Żabiński (Jan Długosz University)
- Hans-Michael Seitz (Goethe University Frankfurt)
- Hans Ørbæk (Errata)
- Heidi E. Höfer (Göthe Universität Frankfurt)
- Heinz-Helge Nieswandt (Westfälische Wilhelms-Universität Münster)
- Helen Goodchild (University of York)
- Helle Horsnæs (The National Museum of Denmark)
- Holger Schwarzer (Westfälische Wilhelms-Universität Münster)
- Ian Freestone (University of Cyprus)
- Ian Simpson (University of Stirling)
- Ian P. Wilkinson (British Geological Survey)
- Ingrid Schulze (Independent)
- Innocent Pikirayi (University of Pretoria)
- Irka Hajdas (Eidgenössische Technische Hochschule Zürich)
- Innocent Pikirayi (University of Pretoria)
- Iza Romanowska (Barcelona Supercomputing Center)
- Jakob I. Parby (Museum of Copenhagen)
- Jakob T. Christensen (Odense City Museums)
- James Cuno (The J. Paul Getty Trust)
- James R. Snyder (University of Edinburgh)
- James Woollett (Université Laval)
- Jan K. Jacobsen (The Danish Academy in Rome)
- Jane Anne Malcolm-Davies (University of Copenhagen)
- Jane J. Jensen (Museum of Copenhagen)
- Jannie A. Ebsen (Odense City Museums)
- Jaroslav Gramacki (University of Zielona Gora)
- Jason Hawkes (University of York)

- Jean-Baptiste Yon (Laboratoire HISOMA: Histoire et Sources des Mondes Antiques)
- Jeffrey Fleisher (Rice University)
- Jens Ulriksen (Museum South East Denmark)
- Jesper V. Olsen (University of Copenhagen)
- Johan Nicolay (University of Groningen)
- Johannes Becker (Ruhr-Universität Bochum)
- Johannes Lehmann (Cornell University)
- John Lund (National Museum of Denmark)
- Jörg Rüpke (Max-Weber-Kolleg, Universität Erfurt)
- Juliane Goischke (Deutsches Archäologisches Institut)
- Kamil Serwatka (Wroclaw University)
- Karen Milek (Durham University)
- Karin Westner (Deutsches Bergbau-Museum Bochum)
- Katharina Schmidt (German Protestant Institute in Amman)
- Katrin J. Westner (Deutsches Bergbau-Museum Bochum)
- Kenneth Lapatin (J. Paul Getty Museum)
- Kirill Makhotka (Kaliningrad Regional Museum of History and Art)
- Kristina Winther-Jacobsen (The Danish Institute in Athens)
- Lara Weiss (Max-Weber-Kolleg, Universität Erfurt)
- Lars Krants Larsen (Moesgaard Museum)
- Lasse Vinner (Centre for GeoGenetics)
- Lea G. Jørgensen (Aarhus University)
- Letty T. Harkel (University of Oxford)
- Lisa Brody (Yale University Art Gallery)
- Loïc Harrault (Durham University)
- Luc Vrydaghs (Université Libre de Bruxelles)
- Mads F. Knudsen (Aarhus University)
- Mads Runge (Odense City Museums)
- Mantha Zarmakoupi (University of Birmingham)
- Marc K. Reichow (University of Leicester)
- Marco Kalz (Open Universiteit Nederland)
- Marcos Martín-Torres (University of Cambridge)
- Mark Williams (University of Leicester)
- Margherita Facella (University of Pisa)
- Margit Petersen (Viborg Museum)
- Marianna Kulkova (Herzen State Pedagogical University of Russia)
- Marie Louise S. Jørskov (University of Copenhagen)
- Mark Horton (University of Bristol)
- Martin Odler (Charles University Prague)
- Martin Polkinghorne (Flinders University)
- Massimo Osanna (Parco Archeologico di Pompei)
- Matthew J. Collins (University of Cambridge / University of Copenhagen)
- Mattias Öbrink (Bohusläns Museum)
- Maura Heyn (University of North Carolina – Greensboro)
- Merethe S. Bagge (Museum Skanderborg)
- Mette M. Hald (National Museum of Denmark)
- Mette Søvsø (Museum of Southwest Jutland)
- Michael Lewis (University of Reading)
- Michael Neiss (Uppsala University)
- Michael Prange (Deutsches Bergbau-Museum Bochum)
- Miguel John Versluys (Leiden University)
- Mikael M. Bjerregaard (Odense City Museums)
- Mikael Eboskog (Bohusläns Museum)
- Mike E. Smith (Arizona State University)
- Mikkel W. Pedersen (Centre for GeoGenetics)
- Mikkel H. S. Sinding (National History Museum of Denmark)
- Miriam Stark (University of Hawaii)
- Moheddine Chaouali (Institut National du Patrimoine, Tunisia)
- Monther Jamhawi (Department of Antiquities of Jordan)
- Morten E. Allentoft (University of Copenhagen)
- Morten Søvsø (Museum of Southwest Jutland)
- Nanna H. Gade (Museum South East Denmark)
- Naomi Speakman (The British Museum)
- Nam Kim (University of Wisconsin)
- Natasja de Winter (Archeologische Onderneming Bvba)
- Nicole Pieper (Independent)
- Niels Bargfeldt (University of Southern Denmark)
- Nikolaj Skou Haritopoulos (Aarhus University)
- Nikos D. Kontogiannis (Koç University)
- Nikos Zacharias (University of Peloponnese)
- Nina H. Nielsen (Silkeborg Museum)
- Patrick Reygel (Archeologische Onderneming Bvba)
- Paul J. Lane (University of Cambridge)
- Paul Scheding (Ludwig-Maximilians-Universität München)
- Paul Sinclair (Uppsala University)
- Pavel Kosintsev (Ural Federal University)
- Peder Gammeltoft (National Museum of Denmark)
- Per Borup (Horsens Museum)
- Peter S. Henriksen (National Museum of Denmark)
- Pernille B. Jensen (National History Museum of Denmark)

- Peter M. Astrup (Moesgaard Museum)
- Peter Pentz (The National Museum of Denmark)
- Philip Ebeling (Westfälische Wilhelms-Universität Münster)
- Philipp von Rummel (Deutsches Archäologisches Institut)
- Poul Pedersen (University of Southern Denmark)
- Quentin Borderie (Université Paris 1, Panthéon-Sorbonne)
- René Larsen (The Royal Danish Academy of Fine Arts)
- Renée Enevold (Moesgaard Museum)
- Revaz Papuashvili (Georgian National Museum)
- Richard Gordon (Max-Weber-Kolleg, Universität Erfurt)
- Rob Webley (University of York)
- Roland Fletcher (University of Sydney)
- Rolf F. Warming (Museum West Zealand)
- Rosie Bonté (Brepols Publishers)
- Rowena Banerjea (University of Reading)
- Rudolf Haensch (Kommission für Alte Geschichte und Epigraphik)
- Rudolf Kniess (Eastern Atlas)
- Riley J. Snyder (Independent)
- S. Platonova (Samara University, Russia)
- Sabine Klein (Deutsches Bergbau-Museum Bochum)
- Sabrina G. K. Kudsk (Aarhus University)
- Sam Turner (University of Newcastle)
- Sarah Klassen (University of British Columbia)
- Sauro Gelichi (Ca' Foscari University of Venice)
- Serena Sabatini (University of Gothenburg)
- Signe Barfod (University of Oslo)
- Signe Hedegaard (Ny Carlsberg Glyptotek)
- Silvia Polla (Freie Universität Berlin)
- Simon Malmberg (University of Bergen)
- Simon Carrignon (Barcelona Supercomputing Center)
- Simon Nygaard (Aarhus University)
- Sophie Bergerbrandt (University of Gothenburg)
- Stefan Ardeleanu (Universität Heidelberg)
- Stefan Feuser (Christian-Albrechts-Universität zu Kiel)
- Steffen Terp Laursen (Moesgaard Museum)
- Stephen Merkel (Deutsches Bergbau-Museum Bochum)
- Steffen T. Laursen (Moesgaard Museum)
- Steve Ashby (University of York)
- Stijn Heeren (University of Amsterdam)
- Stine Schierup (National Museum of Denmark)
- Stuart Whatley (Museum of Copenhagen)
- Suzie Thomas (University of Helsinki)
- Søren Handberg (University of Oslo)
- Søren A. Sørensen (Museum Lolland-Falster)
- Søren Handberg (University of Oslo)
- Tamsin O'Connell (University of Cambridge)
- Ted Kaizer (Durham University)
- Terry Ball (Brigham Young University)
- Thomas Biginagwa (University of Dar es Salaam)
- Thomas Roland (Museum of Copenhagen)
- Thomas Rose (Göthe Universität Frankfurt)
- Thomas W. Stafford (Stafford Research Laboratories, Inc.)
- Thomas Vernet (Institut Français d'Afrique du Sud)
- Timothy Kinnaird (University of St Andrews)
- Tom Fitton (University of York)
- Torben Schreiber (Deutsches Archäologisches Institut Istanbul)
- Ulla Mannering (University of Copenhagen)
- Vladimir Platonov (Samara University)
- Volker Menze (Central European University)
- Wang Wei (Henan University)
- William Wootton (King's College London)
- Wolfgang Schulze (Independent)
- Wulf Amelung (Universität Bonn)
- Xenia P. Jensen (Moesgaard Museum)
- Yannick Devos (Université Libre de Bruxelles)
- Zetta Theodoropoulou-Polychroniadis (Greek Archaeological Committee UK)
- Åsa Ringbom (Åbo Akademi)

Public Outreach

1 January 2019
Module 2: FAIR Principles,
e-learning course on Research Data
Management, Aarhus University
Rubina Raja

4 January 2019
Disse historier hittede mest i 2018,
The Carlsberg Foundation
Søren M. Sindbæk

18 January 2019
Da verden slog revner i Mellemøsten,
Videnskab.dk
Rubina Raja

22 January 2019
Lo scavo del Foro di Cesare, parte la
cantierizzazione, *Il Messaggero*
Rubina Raja

23 January 2019
Danny Dyer's right royal family
revire: Let's get regalled out of our
brains!, *The Guardian*
Søren M. Sindbæk

24 January 2019
Iniziano, con l'allestimento del
cantiere, le attività preparatorie alla
realizzazione del progetto di scavo
del Foro di Cesare, *Sovrintendenza
Capitolina ai Beni Culturali*
*The Excavation of Caesar's Forum in
Rome project*

30 January 2019
Kick-off udgravning i Rom, *The
Carlsberg Foundation*
*The Excavation of Caesar's Forum in
Rome project*

1 February 2019
Udgravningen af Cæsars Forum i
gang, *The Carlsberg Foundation*
*The Excavation of Caesar's Forum in
Rome project*

7 February 2019
Rom: Nye fund under gulvet, *The
Carlsberg Foundation*
*The Excavation of Caesar's Forum in
Rome project*

20 February 2019
Nye udgravninger dokumenteres,
The Carlsberg Foundation
*The Excavation of Caesar's Forum in
Rome project*

1 March 2019
Ny stor publikation om palmyrenske
gravportrætter, *The Carlsberg
Foundation*
Rubina Raja

7 March 2019
Udgravning i Rom: Fund af romerske
teglsten, *The Carlsberg Foundation*
*The Excavation of Caesar's Forum in
Rome project*

11 March 2019
Per illustrare il contesto dell'area di
scavo del Foro di Cesare, sono stati
montati nuovi pannelli didattici,
*Sovrintendenza Capitolina ai Beni
Culturali*
*The Excavation of Caesar's Forum in
Rome project*

15 March 2019
Er museerne ved at udvikle sig til
forlystelsesparker?, *Magisterbladet*
Søren M. Sindbæk

3 April 2019
Come i cittadini e i turisti avranno
avuto modo di vedere, da qualche
settimana è stato aperto un
piccolo cantiere di scavo su uno
dei marciapiedi di Via dei Fori
Imperiali, dal lato del Foro di Cesare,
*Sovrintendenza Capitolina ai Beni
Culturali*
*The Excavation of Caesar's Forum in
Rome project*

23 April 2019
I lavori di scavo nell'area del Foro
di Cesare, a fianco del marciapiede
di Via dei Fori Imperiali, realizzati
in collaborazione con l'Accademia
di Danimarca, non sono i primi che
vengono effettuati, *Sovrintendenza
Capitolina ai Beni Culturali*
*The Excavation of Caesar's Forum in
Rome project*

24 March 2019
Nyt fund af basen til en gammel
romersk søjle, *The Carlsberg
Foundation*
*The Excavation of Caesar's Forum in
Rome project*

4 April 2019
CPH:DOX Verdenspremiere på
'Almost Human', *Ny Carlsberg
Glyptotek*
Rubina Raja

10 April 2019
Conclude le operazioni di pulizia
nel Foro di Cesare, *Sovrintendenza
Capitolina ai Beni Culturali*
*The Excavation of Caesar's Forum in
Rome project*

16 April 2019
Nyt fra Rom: Tydelige rester af
nedrevne huse, *The Carlsberg
Foundation*
*The Excavation of Caesar's Forum in
Rome project*

29 April 2019
Per la realizzazione di Via dei Fori
Imperiali tra 1931 e 1932 venne
demolito il Quartiere Alessandrino,
*Sovrintendenza Capitolina ai Beni
Culturali*
*The Excavation of Caesar's Forum in
Rome project*

3 May 2019
Almost Human vinder prestigefyldt
pris ved Tribeca film festival i New
York, *The Carlsberg Foundation*
Rubina Raja

22 May 2019
Lost Viking army, *NOVA*
Søren M. Sindbæk

2 June 2019
German-Danish team unearth
building in Jerash destroyed by
earthquake in 749 AD, *The Jordan
Times*
Rubina Raja

2 June 2019
Udgravninger bliver til 3D-modeller,
The Carlsberg Foundation
Rubina Raja

4 June 2019
Une basilique byzantine, *Codex
Michael Blömer*

21 June 2019
Vikingerne skjolde: Nu ved
vi endelig, hvordan de så ud,
Videnskab.dk
Luise Ø. Brandt

- 28 June 2019
Oldtidsbyen Jerash var miljømæssig bæredygtig, *The Carlsberg Foundation*
Rubina Raja
- 30 June 2019
Data from the ancient "golden river" in Jordanian city of Jerash can help improve today's sustainability, *The Danish National Research Foundation*
Rubina Raja
- 30 June 2019
Data fra forhistorisk "gylden flod" i den jordanske by Jerash kan gøre os klogere på nutidig bæredygtighed, *The Danish National Research Foundation*
Rubina Raja
- 4 July 2019
Official teaser for the Massive Open Online Course (MOOC) "Discovering Greek & Roman Cities", *YouTube*
Michael Blömer
- 11 July 2019
Upcoming: The Road to Palmyra, *Ny Carlsberg Glyptotek*
Rubina Raja
- 18 July 2019
People on banknotes, *Studio*
Olav E. Gundersen
- 2 August 2019
Nutidens kønskamp trækkes ned over vikingetiden, *Kristeligt Dagblad*
Sarah Croix
- 16 August 2019
Ny bog om dansk arkæologis historie, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 16 August 2019
New book from UrbNet takes the reader on a journey through ancient excavations with Denmark's most significant archaeologists, *The Danish National Research Foundation*
Eva Mortensen & Rubina Raja
- 18 August 2019
Store danske arkæologer. På jagt efter fortidens byer, *DR Kulturen*
Eva Mortensen
- 28 August 2019
Lolland og Sønderjylland gemmer måske på ringborge fra vikingetiden, *Videnskab.dk*
Søren M. Kristiansen & Søren M. Sindbæk
- 4 September 2019
Ud i verden med Danmarks store arkæologer, *Aarhus Stiftstidende*
Eva Mortensen & Rubina Raja
- 6 September 2019
Vikingerne generobrer verden, *Magisterbladet*
Søren M. Sindbæk
- 16 September 2019
Danske arkæologer søgte deres egen historie i fremmed muld, *Kristeligt Dagblad*
Eva Mortensen & Rubina Raja
- 18 September
Tag med til oldtidsbyen Palmyra i Glyptotekets nye udstilling, *The Carlsberg Foundation*
Rubina Raja
- 18 September 2019
'Beauty of Palmyra' emerges from the past, *Financial Times*
Rubina Raja
- 19 September 2019
Vejen til Palmyra, *P1 Kulturen*
Rubina Raja
- 21 September 2019
Palmyra er verdenskulturarv – og vækkes nu til live midt i København, *Kristeligt Dagblad*
Rubina Raja
- 22 September 2019
Scholars study settlement in Jerash in Middle Islamic period, *The Jordan Times*
Rubina Raja
- 25 September 2019
6 hjerter: De døde rører på sig i lækker udstilling på Glyptoteket, *Politiken*
Rubina Raja
- 25 September 2019
Fortidens skæbner bliver levende i Glyptotekets fremragende udstilling om oldtidsbyen Palmyra, *Berlingske*
Rubina Raja
- 27 September 2019
Palmyra genoplivet, *Weekendavisen*
Rubina Raja
- 27 September 2019
Det danske engagement i Palmyra, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 29 September 2019
The Glyptotek presents The Road to Palmyra, the largest collection of ancient Palmyrene tomb sculptures outside of Syria, *ArtDaily*
Rubina Raja
- 4 October 2019
Den danske kortlægning af den syriske ørken, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 10 October 2019
Fra hård kritiker til Lyngvilds hjælper, *Avisen Danmark*
Søren M. Sindbæk
- 22 October 2019
Danske udgravninger i Hama: Carlsbergfondets første ekspedition til Syrien, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 25 October 2019
Fønikienekspeditionen: Et feltprojekt på Syriens kyst, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 30 October 2019
Aarhus researchers help uncover 3,000 years of Roman history in unique excavation of Caesar's Forum, *Aarhus University Research Foundation*
Rubina Raja & Sine G. Saxkjær
- 31 October 2019
Udgravningen af Cæsars Forum fortsætter med ny stor bevilling fra Aarhus Universitets Forskningsfond, *The Carlsberg Foundation*
The Excavation of Caesar's Forum in Rome project
- 1 November 2019
Rhodosekspeditionen: Carlsbergfondets første store feltekspektion til middelhavsområdet, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja
- 8 November 2019
Byerne under byerne, *Weekendavisen*
Eva Mortensen & Rubina Raja
- 8 November 2019
Danske arkæologers arbejde i det antikke Kalydon, *The Carlsberg Foundation*
Eva Mortensen & Rubina Raja

13 November 2019
Ny bog: Verden ifølge humaniora,
The Carlsberg Foundation
Rubina Raja

18 November 2019
Nye Stay Curious-videoer: Bliv
klogere på tre minutter, The
Carlsberg Foundation
Rubina Raja

19 November 2019
Stay Curious: Video series, The
Carlsberg Foundation
Rubina Raja

3 December 2019
Arkæologer graver i den skjulte
fortid ved Cæsars Forum, The
Carlsberg Foundation
Rubina Raja, Jan K. Jacobsen & Sine
G. Saxkjær

3 December 2019
Arkæologer graver i den skjulte
fortid ved Cæsars Forum,
Videnskab.dk
Rubina Raja & Sine G. Saxkjær

3 December 2019
Professor i makroøkologi ved KU og
professor i klassisk arkæologi ved
AU tildeles DM's Forskningspriser
2019, Dansk Magisterforening
Rubina Raja

3 December 2019
Vindere 2019, Dansk
Magisterforening
Rubina Raja

3 December 2019
Professor Rubina Raja modtager
Dansk Magisterforenings
Forskningspris 2019, The Carlsberg
Foundation
Rubina Raja

3 December 2019
Dansk Magisterforening uddeler
forskningspris på 50.000 kr.,
Sciencereport.dk
Rubina Raja

4 December 2019
Rubina Raja afdækker, hvad der
får samfund til at forgå eller bestå,
Magisterbladet
Rubina Raja

6 December 2019
DG-centerlederne Rubina Raja og
Carsten Rahbek modtager DM's
forskningspriser 2019, The Danish
National Research Foundation
Rubina Raja

6 December 2019
DNRF heads of center Rubina Raja
and Carsten Rahbek receive the DM
research prize 2019, The Danish
National Research Foundation
Rubina Raja

6 December 2019
Det danske engagement i Den
Arabiske Golf, The Carlsberg
Foundation
Eva Mortensen & Rubina Raja

12 December 2019
Water management in ancient cities
can help plan for future vulnerability,
Advanced Science News
Rubina Raja

17 december 2019
Ancient Cities project - Spring
School Aarhus 2019, YouTube
Michael Blömer

20 December 2019
På vidunderjagt i Halikarnassos, The
Carlsberg Foundation
Eva Mortensen & Rubina Raja

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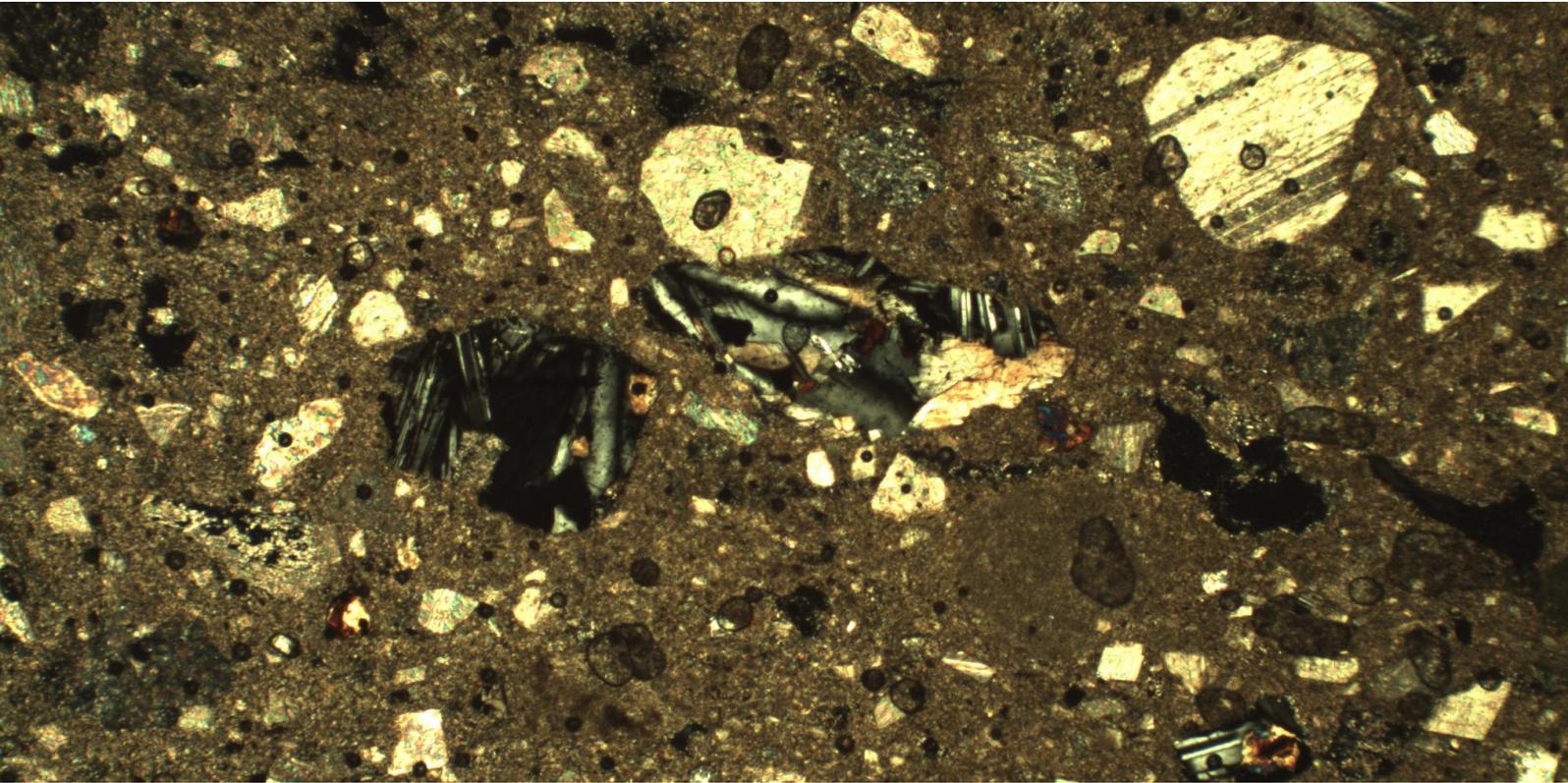
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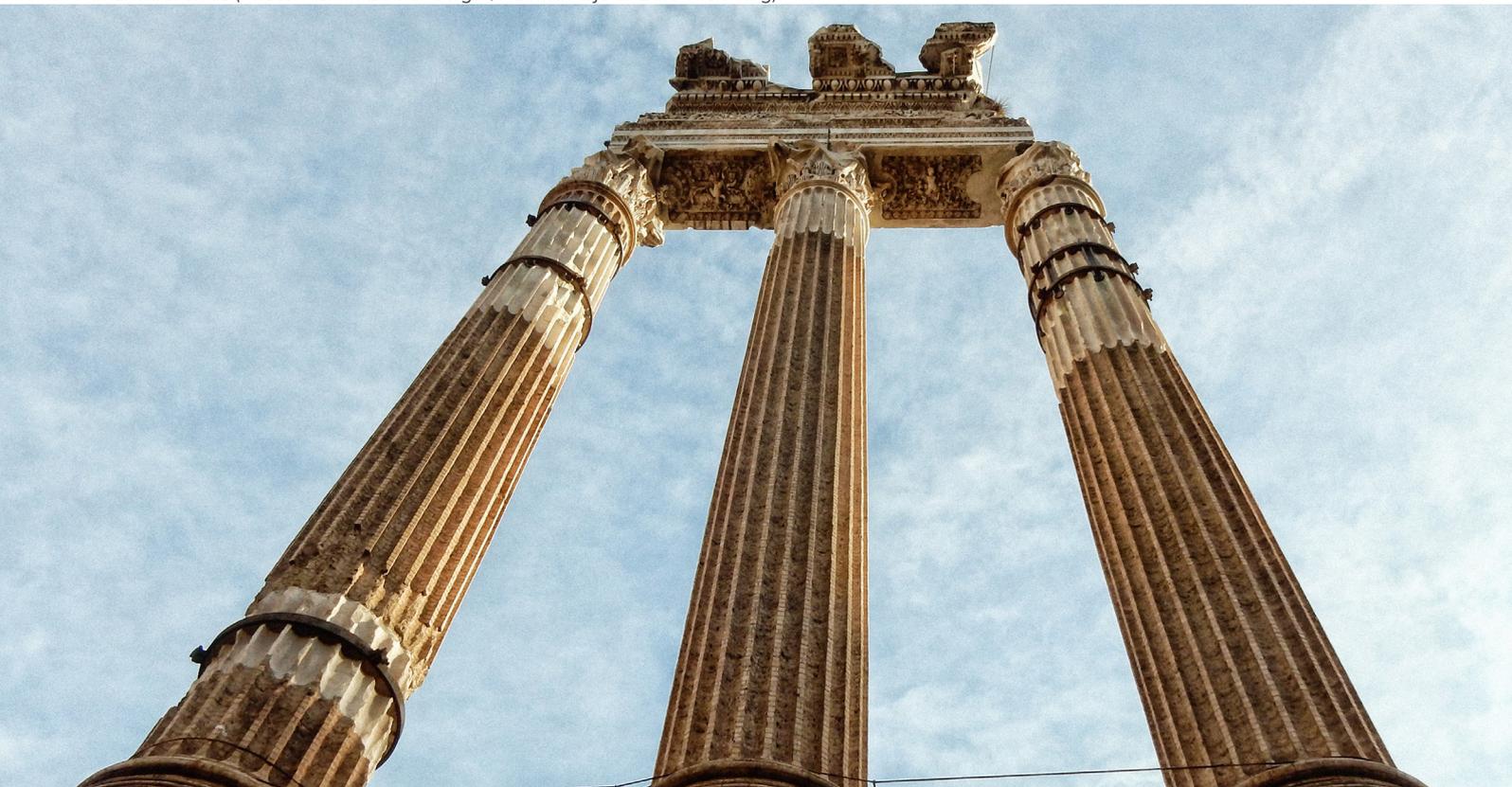
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Microscope image of Middle Islamic Ceramic from Jerash, Jordan, so-called marble-tempered group defined by angular limestone and basalt fragments added to the fabric as tempering materials. Such imagery help determine provenance of the clay and in turn tell us about import and export patterns in ancient cities (Photo: Achim Lichtenberger, Rubina Raja and Carmen Ting).



View of columns of the Temple of Venus Genetrix in Caesar's Forum (Photo: Giovanni Murro)



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Cover: Stratigraphy from Ribe. (Photo: Søren M. Sindbæk)

Back cover: An exposed stratigraphy in Trajan's Forum adjacent to Caesar's Forum in Rome. (Photo: Rubina Raja)

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