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Research Center for Anatolian Civilizations
Koç University
Istanbul, Turkey

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Dear Members of the RCAC Fellowship Committee,

I am very pleased to apply for a Post-Doc Fellowship at the Research Center for Anatolian Civilizations. I am an archaeologist specializing in the spatial organization of urban settlement in Anatolia, especially of the Hittite civilization. I am also particularly interested in developing theory and methods for exploring archaeological data and making reproducible and transparent research. I am currently finishing my dissertation on *The habitation quarter of Bogazköy-Hattusa during the Bronze Age* at the University of Strasbourg (France) and Münster (Germany) and will complete by May of 2016. I am also working part-time as IT-responsible at the Istanbul Branch of the German Archaeological Institute.

My proposed research project, *Visualize Diachronic Human-environment Interactions: A Model for the Milesian Peninsula*, examines how the consideration of the micro-region is fundamental to generate models about human organization within the landscape (exchange network, settlement patterns, hinterland occupation and flows of commodities). This project is based on my involvement with the *Project Panormos Survey* started in 2015. First, I will focus on traditional narrative reconstructions and their visualization based on distribution maps, by using spatial point patterns and surface modeling. Second, I plan to develop an innovative research on visualizing uncertainty in time and space by introducing statistical procedures (respectively aoristic and Monte Carlo analysis). Moreover, I would like to use this fellowship as an opportunity to advocate for Open Access and reproducible research among my peers.

I have visited RCAC before on many occasions with always a positive experience, and I am convinced that being part of the international group of researchers at RCAC will be highly motivating to achieve my own scientific goals. I am excited to partake in or help organize, symposia related to the survey in Anatolia. I also believe that teaching is an integral aspect of any research program, and I look forward to working with students at Koç University on the topic of Hittite archaeology, spatial organization, as well as developing skills on how to map and disseminate data with open and reproducible standard.

Please do not hesitate to contact me should you require any additional materials. I would welcome the opportunity to discuss my qualifications in greater detail. Thank you for your consideration.

Sincerely,



Néhémie Strupler