|  |
| --- |
| Valeria stagno  via Trifolle,7 Ausonia (FR) · +390649913928  valeria.stagno@uniroma1.it |
| Researcher in the field of Nuclear Magnetic Resonance (NMR) applied to Cultural Heritage. Relaxation and Diffusion protocols implementation and digital NMR imaging improvement through the use of specific software as TopSpin, ParaVision, XWIN and Matlab. New positions achievement to get more and more decision power and autonomy in research fields of Physics, Physics applied to Cultural Heritage and Magnetic Resonance. |

# experience

|  |
| --- |
| 01/11/2019 - todayphd, la sapienza university of rome PhD in Environment and Cultural Heritage at Earth Sciences Department. Nuclear Magnetic Resonance at low- and high field for non-destructive characterization of ancient and modern wood. |
| 05/09/2019 – 31/10/2019researcher, cnr-isc of rome Research experience funded by ‘’Torno Subito’’ 2018 of Lazio Region in the NMR Laboratory of CNR-ISC. Data analysis and acquisition with NMR mouse profiler on modern woods. 04/03/2019 – 31/08/2019researcher, university of oulu (finland) Research experience funded by ‘’Torno Subito’’ 2018 of Lazio Region in the NMR research group of the University of Oulu. Experimental NMR unit member for acquisition of NMR experiments and data elaboration of archaeological woods. 01/01/2018 – 28/02/2019internship, cnr-isc of rome Improvement in the use of software for the NMR data elaboration and acquisitions. High  resolution and molecular diffusion NMR experiments in porous media (archaeological wood). 01/04/2016 – 29/09/2016internship, cnr-isc of rome Software development and new protocols for the acquisition of digital images in nuclear  magnetic resonance on wooden materials. |

# education

|  |
| --- |
| december 2018master degree, la sapienza university of rome ‘’Scienze e tecnologie per la conservazione dei Beni Culturali’’. |
| september 2016bachelor degree , la sapienza university of rome ‘’Tecnologie per la conservazione e il restauro dei Beni Culturali’’. july 2013high school, ’’liceo scientifico g. pellecchia’’ cassino (fR) |

# skills

|  |  |
| --- | --- |
| * English writing, listening and speaking * Matlab, Origin, TopSpin,   ParaVision, XWIN | * Teamwork * Communication in scientific language * Work management |

# publications

Capuani S, Stagno V, Missori M, Sadori L, Longo S. High-resolution multiparametric MRI of contemporary and waterlogged archaeological wood. Magnetic Resonance in Chemistry 2020; 58 (9): 860-869.

Stagno V, Longo S, Capuani S. Effect of age on Pine wood microstructure studied by micro-MRI and diffusion-NMR. IMEKO TC-4 2020 International Conference on Metrology for Archaeology and Cultural Heritage Proceedings 2020; pp. 570-574, ISBN: 978-92-990084-9-2.

Stagno V, Mailhiot S, Telkki V-V, Capuani S. NMR protocol for multiscale characterization of archaeological waterlogged wood. Abstract published in CCR-Young Professionals Forum Proceedings 2020; pp. 105.