

PERSONAL INFORMATION

Maria Giulia Carta



- 📍 Vierzigmannstraße 15, 91054, Erlangen, Germany
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- ✉ Maria.Carta@uk-erlangen.de

Date of birth 23/09/1995 | Nationality Italian

WORK EXPERIENCE

01/09/2021 - Present

Bioinformatician

Universitätsklinikum Erlangen, Erlangen

- Development and maintenance of pipelines for biological analysis on transcriptomic and genomic data
- Improvement and adjustment of existing software to support scientific exploration
- Support to clinicians in the analysis and interpretation of clinical and molecular data
- Tutor activity in the master's degree course "Introduction to Bioinformatics analysis of functional genomics data with R programming"

<https://www.nephropathologie.uk-erlangen.de/forschung-und-lehre/bioinformatics-and-computational-pathology/>

EDUCATION AND TRAINING

09/2018 – 25/04/2021

Master Degree in Bioengineering

University of Pavia, Italy

- Final degree mark: 107/110
- Thesis: "Development and implementation of a method to compute similarity between phenotypic terms sets"

09/2014 – 23/02/2018

Bachelor Degree in Biomedical Engineering

University of Cagliari, Italy

- Final degree mark: 108/110
- Thesis: "Study of cognitive-motor interference through the Stroop test performed on a instrumented treadmill"

PERSONAL SKILLS

Mother tongue Italian

Other language

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B1	B1	B1

Communication skills	Inclined to work in a team <ul style="list-style-type: none">My working environment is heterogenous and includes several figures like clinicians, biologists and bioinformaticians, with whom I constantly interfaced, in achieving common shared research projects
Job-related skills	Problem Solving <ul style="list-style-type: none">Determination in problem solving until the objective is reached, with a logical approachAvailable to help others understand the reasons behind the solutionOpen to accept new solutions from others if better
Digital skills	Programming languages: Python, R, shell scripting, Perl, Matlab, C Documentation: MS Office, LaTeX
Driving licence	B

ADDITIONAL INFORMATION

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| Projects | <ul style="list-style-type: none">6th edition CAGI (Center for Critical Assessment of Genome Interpretation) Rare Genome Project Challenge, in collaboration with enGenome, a spin-off of the University of Pavia (04/2021 - 09/2021) |
| Seminars | <ul style="list-style-type: none">First Steps with UNIX for Life Scientists. Offered by the Swiss Insitute of Bioinformatics. Virtual (11/01/2022)R Programming Fundamentals – EdX courseComputational System Biology of Cancer. Multiomics and machine learning approaches. Offered by the Institut-Curie. Virtual (27/09/2021 – 01/10/2021) |

REFERENCES

Fulvia Ferrazzi, PhD – Fulvia.Ferrazzi@uk-erlangen.de – (+49) 09131 8543 677
Group Leader, Bioinformatics and Computational Pathology

Place, Date

Maria Giulia Carta

Erlangen, 22/06/2022

