

**Curriculum Vitae**  
**Simone Marini, PhD**

**PROFESSIONAL EXPERIENCE**

**Research Assistant Professor at the Department of Epidemiology at University of Florida**

**Simone Marini** received his PhD in Bioengineering from the Hong Kong University of Science and Technology in 2012, where he won the Bioengineering Division Graduate Student Research Award, and the HKUST Overseas Research Award for PhD Students. Previously, he obtained a BSc and a MSc, both in Biomedical Engineering, from University of Pavia (Italy). He was a post-doctoral fellow at University of Pavia (2013-2015; 2016-2017), and Kyoto University (2015-2016; awarded the Japanese Society for the Promotion of Science Fellowship). He worked as Research Investigator at University of Michigan (2017-2019), and more recently he joined the Department of Epidemiology at the University of Florida as a Research Assistant Scientist (2020) and later as a Research Assistant Professor (2020-present).

His research focuses on artificial intelligence and machine learning applied to biology and medicine. He is particularly interested in data integration, i.e. in developing models by harvesting heterogeneous data from genomics (including single-cell RNA sequencing), proteomics, medical literature, ontologies, and knowledge bases. He coordinated multi-disciplinary, international research teams comprising medical doctors, biologists, and engineers, across eight institutions in Europe, Asia, and North America. The application of his mathematical models and algorithms span over topics as diverse as protein and gene interactions, diabetes, heterotopic ossification, acute myeloid leukemia, HIV, and SARS-CoV-2. He authored more than 40 journal publications, including top journals in their field such as Nature Bone Research, Bioinformatics, Briefings in Bioinformatics, The Journal of Clinical Investigation, Developmental Cell, and PNAS.

His complete CV is available at [www.simonemarini.com](http://www.simonemarini.com).