

## Francesco Asnicar, PhD

**Current position** Postdoc at Segata Lab (Department CIBIO, University of Trento, Italy), since June 1<sup>st</sup>, 2019. Bioinformatic consultant for ZOE Limited, since September 1<sup>st</sup>, 2019.

**Research Interests** Study of the relationships between the human gut microbiome and diet and developing new analysis tools mainly related to computational phylogenetics to characterize unknown microbial organisms.

**Education** **PhD in Information Technology - Transdisciplinary programme in Computational Biology** (*cum laude*), May 2019, University of Trento, Italy. Thesis “*A phylogenetic framework for large-scale analysis of microbial communities*”. Prof. Enrico Blanzieri and Prof. Nicola Segata.

**Selected Publications** Asnicar F\*, Leeming ER\*, Dimidi E\*, *et al.* **Blue poo: impact of gut transit time on the gut microbiome using a novel marker.** *Gut*, 2021

(\* equal contribution) Asnicar F\*, Berry SE\*, *et al.* **Microbiome connections with host metabolism and habitual diet from 1,098 deeply phenotyped individuals.** *Nature Medicine*, 2021

Asnicar F, *et al.* **Precise phylogenetic analysis of microbial isolates and genomes from metagenomes using PhyloPhlAn 3.0.** *Nature Communications*, 2020

Manara S, Asnicar F\*, Beghini F\*, *et al.* **Microbial genomes from non-human primate gut metagenomes expand the primate-associated bacterial tree of life with over 1000 novel species.** *Genome Biology*, 2019

Thomas AM\*, Manghi P\*, Asnicar F, *et al.* **Metagenomic analysis of colorectal cancer datasets identifies cross-cohort microbial diagnostic signatures and a link with choline degradation.** *Nature Medicine*, 2019

Pasolli E, Asnicar F\*, Manara S\*, Zolfo M\*, *et al.* **Extensive unexplored human microbiome diversity revealed by over 150,000 genomes from metagenomes spanning age, geography, and lifestyle.** *Cell*, 2019

Ferretti P, Pasolli E\*, Tett A\*, Asnicar F\*, *et al.* **Mother-to-Infant Microbial Transmission from Different Body Sites Shapes the Developing Infant Gut Microbiome.** *Cell Host & Microbe*, 2018

Asnicar F\*, Manara S\*, *et al.* **Studying vertical microbiome transmission from mothers to infants by strain-level metagenomic profiling.** *mSystems*, 2017

Asnicar F, *et al.* **Compact graphical representation of phylogenetic data and metadata with GraPhlAn.** *PeerJ*, 2015

**Awards** **Highly Cited Researcher 2022 in Cross-Field** by Clarivate™.

**Euregio Young Researcher Award 2022** (€ 2,500.00).

Co-recipient of the **X PRÊMIO 2019 - Prêmio Octavio Frias de Oliveira.**

**Doctor Darwin Prize** (€ 1,000.00) by the Italian Society for Evolutionary Biology (SIBE) during the conference ‘Evoluzione 2017’.

**Visiting** April-July 2017, **Prof. Siavash Mir Arabbaygi** at the **University of California, San Diego** in San Diego (CA).

March 2017, **Prof. Curtis Huttenhower** at the **Harvard T.H. Chan School of Public Health** in Boston (MA).

**Other Interests** Organizing Committee member of the **Microbiome Virtual International Forum** (<https://www.microbiome-vif.org/>) since November 2022.

Treasurer for the non-profit organization **RagionevolMente** (<https://ragionevolmente.it/>) from 2015 to 2018. The organization's goal is the correct diffusion of scientific knowledge accessible to everybody.