



# Francesco Beghini

PHD CANDIDATE

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## Education

### PhD in Biomolecular Sciences

UNIVERSITY OF TRENTO

Trento, Italy

2017-current

### MSc in Cellular and Molecular Biotechnology

UNIVERSITY OF TRENTO

Trento, Italy

2015-2017

### BSc in Computer Science with specialization in Biomolecular Sciences

UNIVERSITY OF TRENTO

Trento, Italy

2012-2015

### HS Diploma in Industrial engineer in Computer Science

INDUSTRIAL TECHNICAL SCHOOL GUGLIELMO MARCONI

Verona, Italy

2007-2012

## Nobel Prizes

1903 Nobel Prize in Physics

1911 Nobel Prize in Chemistry

Awarded for her  
work on  
radioactivity with  
Pierre Curie and  
Henri Becquerel  
Awarded for the  
discovery of radium  
and polonium

## Publications

1. Pasolli, E, F Asnicar, S Manara, M Zolfo, N Karcher, F Armanini, F Beghini, and ... (2019). Extensive unexplored human microbiome diversity revealed by over 150,000 genomes from metagenomes spanning age, geography, and lifestyle. *Cell*.
2. Thomas, A, P Manghi, F Asnicar, E Pasolli, F Armanini, M Zolfo, and ... (2019). Metagenomic analysis of colorectal cancer datasets identifies cross-cohort microbial diagnostic signatures and a link with choline degradation. *Nature medicine*.
3. Renson, A, H Jones, F Beghini, N Segata, C Zolnik, M Usyk, T Moody, and ... (2019). Sociodemographic variation in the oral microbiome. *Annals of epidemiology*.
4. Beghini, F, A Renson, C Zolnik, L Geistlinger, M Usyk, T Moody, and ... (2019). Tobacco exposure associated with oral microbiota oxygen utilization in the New York City Health and Nutrition Examination Study. *Annals of epidemiology*.
5. Manara, S, F Asnicar, F Beghini, D Bazzani, F Cumbo, M Zolfo, E Nigro, and ... (2019). Microbial genomes from non-human primate gut metagenomes expand the primate-associated bacterial tree of life with over 1000 novel species. *Genome Biology*.
6. Thomas, A, P Manghi, F Asnicar, E Pasolli, F Armanini, M Zolfo, and ... (2019). Metagenomic analysis of colorectal cancer datasets identifies cross-cohort microbial diagnostic signatures and a link with choline degradation (vol 25, pg 667, 2019). *NATURE MEDICINE*.
7. Thomas, A, P Manghi, F Asnicar, E Pasolli, F Armanini, M Zolfo, and ... (2019). Author Correction: Metagenomic analysis of colorectal cancer datasets identifies cross-cohort microbial diagnostic signatures and a link with choline degradation. *Nature medicine*.
8. Ferretti, P, E Pasolli, A Tett, F Asnicar, V Gorfer, S Fedi, F Armanini, and ... (2018). Mother-to-infant microbial transmission from different body sites shapes the developing infant gut microbiome. *Cell host and microbe*.
9. Renson, A, H Jones, F Beghini, N Segata, C Zolnik, M Usyk, T Moody, and ... (2018). Sociodemographic patterning in the oral microbiome of a diverse sample of New Yorkers. *BioRxiv*.
10. Pasolli, E, L Schiffer, A Renson, V Obenchain, P Manghi, D Truong, and ... (2017). Accessible, curated metagenomic data through ExperimentHub. *Nature Methods*.

11. Tett, A, E Pasolli, S Farina, D Truong, F Asnicar, M Zolfo, F Beghini, and ... (2017). Unexplored diversity and strain-level structure of the skin microbiome associated with psoriasis. *NPJ biofilms and microbiomes*.
12. Beghini, F, E Pasolli, T Truong, L Putignani, S Cacciò, and N Segata (2017). Large-scale comparative metagenomics of *Blastocystis*, a common member of the human gut microbiome. *The ISME journal*.
13. Galeano-Castaneda, Y, P Urrea, P Bascunan-Garcia, and ... (2017). MIDGUT MICROBIOTA COMPOSITION FROM FIELD COLLECTED AND EMERGED MOSQUITOES *ANOPHELES ALBIMANUS* FROM COLOMBIA. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*.