

FRANCESCO BEGHINI

Name: Francesco

Surname: Beghini

Date and place of birth: 27th March 1993, Verona (VR), Italy

Telephone: +39 392 27 93 343

E-mail: francesco.beghini@studenti.unitn.it



WORK EXPERIENCE

- CURRENT POSITION** **MSC INTERNSHIP AT THE LABORATORY OF COMPUTATIONAL METAGENOMICS – CIBIO**
- Currently I am collaborating with Yadira Galeano Castañeda (Universidad de Antioquia) on her PhD project “Characterization of the intestinal microbiome of Colombian *Anopheles albimanus*” and on another project related with *Anopheles gambiae*.
I am also analyzing data coming from the NYC HANES project in collaboration with Prof. Levi Waldron, PhD (CUNY School of Public Health).
P.I. Dr. Nicola Segata.
- CURRENT POSITION** **TUTOR AT CIBIO**
- I am involved in tutoring activities for BSc students attending the “Computer Science” and “Computational Biology” courses in the Biotechnology Degree program.
- 11/2014 – 09/2015** **BSC INTERNSHIP AT THE LABORATORY OF COMPUTATIONAL METAGENOMICS – CIBIO**
- For my bachelor thesis I investigated the presence, genetics and abundance of the *Blastocystis* parasite in the human gut microbiome from shotgun metagenomic data.
P.I. Dr. Nicola Segata.
- 11/2011 AND 11/2012** **VOLUNTEER AT ITIS G. MARCONI, VERONA**
- Orientation volunteer for incoming middle school students.
Supervisor: Prof. Mariapaola Ceccato.
- 06/2010 AND 06/2011** **INTERNSHIP AT LOGIN S.R.L.**
- San Pietro in Cariano (VR) (Italy)
Development of a project management software for a warehouse using the Microsoft .NET framework.

EDUCATION

- 2015 - 2017 MSc IN CELLULAR AND MOLECULAR BIOTECHNOLOGY – NEUROBIOLOGY
 Centre for Integrative Biology (CIBIO), University of Trento, Trento (Italy).
- 2012 - 2015 BSc IN COMPUTER SCIENCE WITH SPECIALIZATION IN BIOMOLECULAR SCIENCES
 Department of Information Engineering and Computer Science (DISI) joint with Centre for Integrative Biology (CIBIO), University of Trento, Trento (Italy).
- 2007 - 2012 HIGH SCHOOL DIPLOMA: INDUSTRIAL ENGINEER IN COMPUTER SCIENCE
 Industrial Technical School Guglielmo Marconi, Verona (Italy).

PUBLICATIONS

- 2016 [Francesco Beghini](#), Duy Tin Truong, Edoardo Pasolli, Lorenza Putignani, Simone M. Cacciò, Nicola Segata.
SUBMITTED **Large-scale metagenomic analysis of *Blastocystis* in the human gut revealed high prevalence and association with BMI and archaeal abundance**
- 2016 Adrian Tett, Edoardo Pasolli, Stefania Farina, Tin Duy Truong, Francesco Asnicar, Moreno Zolfo, [Francesco Beghini](#), Federica Armanini, Olivier Jousson, Veronica De Sanctis, Roberto Bertorelli, Giampiero Girolomoni, Mario Cristofolini, Nicola Segata.
SUBMITTED **Unexplored diversity and strain-level structure of the skin microbiome associated with psoriasis**

AWARDS AND CONFERENCES

- 02/2017 MICROBIOME IN HEALTH AND DISEASE – KEYSTONE SYMPOSIA, COLORADO, USA
 I was awarded a Keystone Symposia scholarship and selected for a poster entitled “**Large-scale metagenomic analysis of *Blastocystis* in the human gut revealed high prevalence and association with BMI and archaeal abundance**”.

LANGUAGES

Italian: Mother tongue

Spanish: Bilingual proficiency

English: Professional working proficiency

SKILLS

I have a very good experience with Linux and Windows OS' with a good knowledge of bioinformatics and computational biology tools. I use Bash, R and Python everyday. Other known programming languages are Java, C/C++/C#, JavaScript, PHP, HTML, SQL and .NET framework.

During the laboratory trainee activities in my BSc and MSc I acquired some molecular biology related skills.

OTHER ACTIVITIES

I am co-founder and web-editor of **RagionevolMente**, an italian no-profit association devoted to science communication.

In collaboration with Alessio Gorla I developed "**Aule Libere UNITN**", an Android application for University of Trento students. The app lists rooms in which lectures are not currently being held and are therefore available as study rooms. Available on Google Play Store.

LINKS

Laboratory of Computational Metagenomics – <http://cibiocm.bitbucket.org/>

Linkedin Profile – www.linkedin.com/in/fbeghini

RagionevolMente – www.ragionevolmente.it