

# Nicole Bozzi Cionci

## Work experience

- November 2019 – present: **Research fellow-Postdoctoral researcher** at Department of Agricultural and Food Sciences (DISTAL), University of Bologna (UNIBO)  
*Research activity in the field of **microbiology**: human gut microbiota; isolation identification and characterization of microorganisms from different matrices; microbiological analyses of environmental samples; study of the antimicrobial activity of biopolymers and ceramic and glass matrices.*
- October 2019 – present: **Teaching at** DISTAL-UNIBO for the courses “Microbiologia generale agraria” and “Microbiology applied on the environmental remediation” (SSD AGR/16)
- July 2016 – October 2016: Scholarship for the EU project TRAF00N at DISTAL-UNIBO

## Education

- 01/11/16 – 31/10/19: **PhD in Agricultural, Environmental and and Food Sciences and Technology - DISTAL-UNIBO**. *Final dissertaton: “Probiotics for the prevention/treatment of human diseases and ecological study of the intestinal microbiota”*
- June 2016: Qualification to practice as Biologist at Università degli studi di Modena e Reggio-Emilia
- March 2016: **Master Degree in Health Biology (LM-6)** at UNIBO. *Evaluation 110/110 cum laude. Thesis: “Study of gut microbiota of celiac subjects after Bifidobacterium breve administration”*
- July 2013: Bachelor degree in Biology at UNIBO
- 2009: Diploma of Maturity at Liceo Ginnasio Statale “Vittorio Emanuele II”, Lanciano (CH)

## Skills

- Excellent aptitude for teamwork and knowledge of collaborative working methods
- Clear and comprehensive communication skills also valid in multicultural environments
- Management of data, projects and activities with responsibility and respect for the work environment, the public, deadlines and set objectives
- Knowledge of the safety regulations in the microbiology laboratory
- Knowledge of the basic techniques concerning the classical microbiology and the molecular biology: **cultivation, growth and recognition of microorganisms by optical microscope, procedures for the processing of environmental and food samples for the microbiological analysis, antimicrobial activity tests of materials; DNA extraction from different matrices, PCR, real-time PCR, agarose gel electrophoresis and fingerprinting techniques, preparation of genomic libraries for next generation sequencing analysis**
- Basic knowledge of softwares for the characterization of microorganisms and processing of analytical data (DNAMAN, FinchTV, NCBI database, QIIME, Rstudio)

Participation in courses and seminars:

- “Microbiome Analysis using 2<sup>nd</sup> and 3<sup>rd</sup> generation DNA sequencing course”, University of Copenhagen, Department of Food Science (March 2019)
- “Summer School on Couputational Analysis From Genomic Diversity to Ecosystem Structure”, organized by SIMTREA, University of Firenze (September 2018)
- “Foodstars school: probiotics for food industrial application” (EU project FOODSTARS) for oral presentation “Effect of *B. breve* as probiotic on human intestinal microbiota” and lab activities at DISTLAL-UNIBO (July 2017)



## Details

Born 16/01/1990 in Lanciano (CH, Italy).  
Resident in Via Monte Calvario, 4, Gessopalena (CH, Italy).  
Domiciled at Via Pietro Albertoni, 23, Bologna, Italy  
Phone: 3338261864

## Languages

English: B2

## Further information

- Winner of “Premio Lions Ricerca Scientifica e Innovazione Tecnologica” for the best PhD thesis (September 2020)
- Enrollment in the Professional Register of Biologists from May 2020
- Visiting PhD student at the **University of Copenhagen, Department of Food Science**, for learning the main techniques for the study of the intestinal virome (March 2019- June 2019)
- Subject expert for SSD AGR/16 at UNIBO
- Associate to SIMTREA since 2018
- Curricular internship (1000 hours) at the Agri-environmental Microbiology laboratory of DISTAL-UNIBO (March 2015 - December 2015)
- Curricular internship (250 hours) at the blood test laboratory of Bellaria Carlo Alberto Pizzardi Hospital (February 2013 - June 2013)

## Publications

- Totaro Grazia, Sisti Laura, Bozzi Cionci Nicole, Martinez Gonzalo A., Di Gioia Diana, & Celli Annamaria. (2020). Elastomeric/antibacterial properties in novel random *Ricinus communis* based-copolyesters. *Polymer Testing*, 106719.
- Di Gioia Diana, Bozzi Cionci Nicole, Baffoni Loredana, Amoruso Angela, Pane Marco, Mogna Luca, Gaggia Francesca, Lucentu Maria Ausiliatrice, Bersano Enrica, Cantello Roberto, De Marchi Fabiola, & Mazzini Letizia (2020). A prospective longitudinal study on the microbiota composition in amyotrophic lateral sclerosis. *BMC medicine*, 18(1), 1-19.
- Marek Adam A., Verney Vincent, Totaro Grazia, Sisti Laura, Celli Annamaria, Bozzi Cionci Nicole, Di Gioia Diana, Massacrier Laurent, & Leroux Fabrice (2020). Organo-modified LDH fillers endowing multi-functionality to bio-based poly (butylene succinate): An extended study from the laboratory to possible market. *Applied Clay Science*, 188, 105502.
- Sisti Laura, Totaro Grazia, Bozzi Cionci Nicole, Di Gioia Diana, Celli Annamaria, Verney Vincent, & Leroux Fabrice (2019). Olive Mill Wastewater Valorization in Multifunctional Biopolymer Composites for Antibacterial Packaging Application. *International journal of molecular sciences*, 20(10), 2376.
- Primec Maša, Klemenak Martina, Di Gioia Diana, Aloisio Irene, Bozzi Cionci Nicole, Quagliariello Andrea, Gorenjak Mario, Mičetić-Turk Dušanka, Langerholc Tomaž (2019). Clinical intervention using *Bifidobacterium* strains in celiac disease children reveals novel microbial modulators of TNF- $\alpha$  and short-chain fatty acids. *Clinical nutrition*, 38, pp. 1373 – 1381.
- Bozzi Cionci Nicole, Baffoni Loredana, Gaggia Francesca, Di Gioia Diana (2018). Therapeutic Microbiology: The Role of *Bifidobacterium breve* as Food Supplement for the Prevention/Treatment of Paediatric Diseases. *Nutrients*, 10(11), 1723.
- Aloisio Irene, Prodam Flavia, Giglione Enza, Bozzi Cionci Nicole, Solito Arianna, Bellone Simonetta, Baffoni Loredana, Mogna Luca, Pane Marco, Bona Giovanni, Di Gioia Diana (2018). Three-month Feeding Integration with *Bifidobacterium* Strains Prevents Gastrointestinal Symptoms in Healthy Newborns. *Frontiers in nutrition* 5, 39.
- Mazzini Letizia, Mogna Luca, De Marchi Fabiola, Amoruso Angela, Pane Marco, Aloisio Irene, Bozzi Cionci Nicole, Gaggia Francesca, Lucenti Ausiliatrice, Bersano Enrica, Cantello Roberto, Di Gioia Diana, Mogna Giovanni (2018). Potential Role of Gut Microbiota in ALS Pathogenesis and Possible Novel Therapeutic Strategies. *Journal of clinical gastroenterology*, 52, S68-S70.
- Quagliariello Andrea, Aloisio Irene, Bozzi Cionci Nicole, Luiselli Donata, D’Auria Giuseppe, Martinez-Priego Lúcia, Pérez-Villarroya David, Langerholc Tomaž, Primec Maša, Mičetić-Turk Dušanka, Di Gioia Diana (2016). Effect of *Bifidobacterium breve* on the intestinal microbiota of coeliac children on a gluten free diet: A pilot study, *Nutrients*, 8, pp. 660 – 676

## Conference proceedings:

- Solito Arianna, Hasballa Iderina, Calgaro Matteo, Bozzi Cionci Nicole, Ricotti Roberta, Caputo Marina, Genoni Giulia, Monzani Alice, Archero Francesca, Bellone Simonetta, Bona Gianni, Agosti Emanuela, Aimaretti Gianluca, Amoruso Angela, Pane Marco, Vitulo Nicola, Di Gioia Diana & Flavia Prodam “Supplementation with *Bifidobacterium breve* BR03 and *Bifidobacterium breve* B632 favoured weight loss and improved insulin metabolism in children and adolescents with obesity in the BIFI-OBESE cross-over, randomized placebo-controlled trial” in 22nd European Congress of Endocrinology, Prague, May 2020 (poster presentation)
- Bozzi Cionci Nicole, Prodam Flavia, Giglione Enza, Solito Arianna, Baffoni Loredana, Mogna Luca, Pane Marco, Di Gioia Diana “Three months feeding integration with *Bifidobacterium* strains prevents gastrointestinal symptoms in healthy newborns” in Foodtech Congress, Novi Sad (Serbia), October 2018 (oral presentation).
- Totaro Grazia, Sisti Laura, Bozzi Cionci Nicole, Di Gioia Diana, Celli Annamaria “Novel random Copolyesters containing ricinoleic acid for antibacterial special uses” in Biopolymers & Polymer Chemistry, Praga (Rep. Ceca), October 2018 (poster presentation).
- Prodam Flavia, Archero Francesca, Aloisio Irene, Solito Arianna, Ricotti Roberta, Giglione Enza, Bozzi Cionci Nicole, Bellone Simonetta, Di Gioia Diana, Bona Gianni “Efficacy of the treatment with *Bifidobacterium breve* B632 and *Bifidobacterium breve* BR03 on endocrine response to the oral glucose tolerance test in pediatric obesity: a cross over double-blind randomized controlled trial” in 39° Congresso Nazionale SIE, Roma, June 2017 (poster presentation)
- Solito Arianna, Archero Francesca, Bozzi Cionci Nicole, Aloisio Irene, Ricotti Roberta, Genoni Giulia, Vannini Lucia, Pane Marco, Amoruso Angela, Mogna Luca, Cena Tiziana, Bellone Simonetta, Di Gioia Diana, Prodam Flavia “ Efficacy of the treatment with *Bifidobacterium breve* B632 and *Bifidobacterium breve* BR03 on endocrine response to the oral glucose tolerance test in pediatric obesity: a cross-over double blind randomized controlled trial” in MicrobiotaMI, Milano, 5-7 November 2018 (poster presentation)