

Curriculum Vitae

Bhavna Karnani



First name & Surname **Bhavna Karnani**
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Nationality Dutch
Date of birth 6 September 1992

Education

Dates Attended *September 2014 – September 2016*
Title of qualification Biology, Master of Science - specialization in Microbiology & Immunology (Grade: 5.1/6.0)
Master Thesis *The generation and characterization of a new Listeria monocytogenes revertant strain and its intracellular L-form induction (Grade: 5.5/6.0)*
Project Aim To study the molecular mechanism, pathogenicity and infectivity of cell-wall deficient/L- forms of the common foodborne pathogen *Listeria monocytogenes* in several eukaryotic cell lines using biosafety L-2 protocols.
Professor and Institution *Prof. Dr. Martin Loessner - Laboratory of Food Microbiology, ETH Zurich, SWITZERLAND*

Dates attended *August 2010 – May 2014*
Title of qualification awarded Biochemistry, Bachelor of Science – Magna Cum Laude (Grade: 3.7/4.0)
Institution *Florida Institute of Technology, Melbourne, Florida, U.S.A.*

Work and Research Experience

Dates *December 2017 – Present*
Position Graduate Research Fellow
Project aim Molecular and functional characterization of Th17 cell populations in the gut to develop a novel therapeutic strategy for patients with colorectal cancer and inflammatory bowel disease
Professor and Institution *Dr. Jens Geginat – Autoimmunity Laboratory, Istituto Nazionale Genetica Molecolare (INGM), Milan, ITALY*

Dates *September 2015 – December 2015*
Position Research Assistant
Project aim To study whether the addition of the prebiotic galactooligosaccharides (GOS) to iron containing nutrient powders would improve the adverse health effects seen in Kenyan infants that have partaken in iron fortification programs
Professor and Institution *Prof. Dr. Michael Bruce Zimmermann – Laboratory of Human Nutrition, ETH Zurich, SWITZERLAND*

Dates *September 2014 – January 2015*
Position Research Assistant
Project aim To study the metabolic exchange between organelles and its influence on eukaryotic cell survival and identification of possible protein interactions with Vps13 in *S. cerevisiae*.
Professor and Institution *Prof. Dr. Benoit Kornmann – Institute of Biochemistry, ETH Zurich, SWITZERLAND*

Dates August 2013 – December 2013
 Position held Physical Chemistry Teacher Assistant
 Main activities and responsibilities Assisted the teacher and students with weekly experiments in the physical chemistry laboratory.
 Institution *Florida Institute of Technology, Melbourne, Florida, U.S.A.*

Dates May 2012 – July 2012
 Position held Quality Control Assistant
 Main activities and responsibilities Assisted in quality control testing of various cosmetic products to be launched in the market.
 Employer *Aruba Aloe Factory and Museum, Oranjestad, ARUBA*

Dates August 2011-March 2012
 Position held Inorganic Chemistry Research Assistant
 Main activities and responsibilities Developed new N-heterocyclic Carbene (NHC) complexes using simple organometallic compounds
 Employer *Florida Institute of Technology, Melbourne, Florida, U.S.A.*

Dates December 2008 – December 2015
 Positions held Assistant Sales Manager
 Main activities and responsibilities Maintained and improved relationship with company clients, marketing of firework products through television and radio advertisements, supervising sales staff and implementing sales strategies with the company director.
 Employer *Caribbean Fireworks, Oranjestad, ARUBA*

Personal Skills and Competences

Mother tongue **English**

Other Languages: Self-assessment
 European level (*)

Dutch
Papiamentu
Spanish
Italian
German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
B2	Upper Intermediate	B1	Intermediate	B1	Intermediate	B1	Intermediate	B2	Upper Intermediate
B1	Intermediate	B1	Intermediate	A2	Elementary	A2	Elementary	B1	Intermediate
B1	Intermediate	B1	Intermediate	A1	Elementary	A1	Elementary	A2	Elementary

(*) Common European Framework of Reference for Languages

Laboratory Skills Site-directed mutagenesis (PCR and qPCR), Flow Cytometry, Cell Culture, PBMC extraction, Primary human cell culture, Confocal Microscopy, Western Blotting, DNA and Protein extraction, Microbial cultures, Sandwich ELISA, Inorganic synthesis and purification

Computer Skills Microsoft Office (Word, Excel, PowerPoint), GraphPad Prism, FlowJo

Hobbies Enjoy cooking, travelling, learning foreign languages, event planning, creating dance choreography, watching movies and spending time outdoors with friends.

Other Skills Sales, Marketing, Customer Service and strong presentation skills. Enjoys working in multi-cultural and diverse environments, good and humble leader with a strong work ethic, goal-oriented and determined, open to new challenges and endeavours and work well under pressure.

References References can be provided upon request.