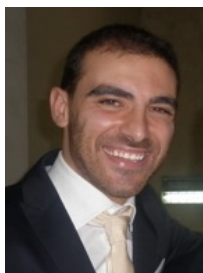


## PERSONAL INFORMATION



## Antonio Mondini

3, Via Don Morosini, 80046, San Giorgio a Cremano (Naples), Italy

+39 081 487125  +39 3286765357

[a.mondini@ibp.cnr.it](mailto:a.mondini@ibp.cnr.it)

[antonio.mondini@icloud.com](mailto:antonio.mondini@icloud.com)

Sex Male | Date of birth 05/04/1986 | Nationality Italian

PROFESSIONAL  
EXPERIENCE

October 2014 – March 2016

## Master thesis activity

National Research Council, Institute of Protein Biochemistry,  
Via Pietro Castellino, 111, 80131, Naples, Italy

- Drug discovery of new bioactive compounds targeting human pathogens exploiting the potential of psychrophilic marine bacteria, marine fungi and sponges
- Study of the interaction between the nematode *C.elegans* and *Burkholderia cepacia* complex bacteria
- Characterization and expression of antifreeze protein

EDUCATION AND  
TRAINING

October 2014 - Present

## Training

National Research Council, Institute of Protein Biochemistry  
Via Pietro Castellino, 111, 80131, Naples, Italy

Under supervision of researcher Donatella de Pascale and PhD Pietro Tedesco

- Bacterial isolation from sediments
- Bacterial growth
- Bacterial DNA extraction
- Bacterial Transformation
- Bioactive compounds extraction and fractionation from bacterial culture

March 2016

## Master Degree in Molecular Diagnostic

University of Naples "FedericoII", Naples, Italy

Relator: Professor Maria de Falco

Correlator: Dr. Donatella de Pascale

Thesis Project: "Antarctic marine environment as a source of novel antimicrobial compounds"

Final Marks 110/110 cum Laude

September 2011  
November 2012

**Training**

Laboratory of cytology and histology  
University of Naples "Federicoll", Naples, Italy

- Inclusion techniques
- Immunohistochemical techniques
- Tissue analysis and staining

November 2012

**Bachelor's Degree in Biological Science**

University of Naples "Federicoll", Naples, Italy  
Tutor: Professor Maria de Falco

Thesis Project: "Immunohistochemical localization of microsomal enzyme 11β-HSD1 in the liver of control rats and treated with fructose diet"

Final Marks 101/110

September 2000  
July 2005

**High School Diploma specializing in scientific subject**

Scientific High school "Carlo Urbani", San Giorgio a Cremano, Naples, Italy

**PERSONAL SKILLS**

Mother tongue

Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

**Communication skills**

Good communication skills gained through my experience as head entertainer, Disney's sale clerk and sales representative. I'm open mind, flexible, able to adapt to different cultural environments and with the capability to work in team.

**Organisational / managerial skills**

During my training at University, at CNR and when I worked as head entertainer and lifeguard

- Leadership (responsible for a team of 5 people)
- Essential work planning
- Time management skill
- Ability to coordinate jobs in a working group

Technical skills and competence	General techniques of microbiology and biochemistry: Screening and isolation of microorganisms from extreme environmental samples, in particular psychrophilic and halophilic bacteria from Arctic and Antarctic region. Expertise in aerobic and anaerobic bacteria cultivation and growth media formulation. O.S.M.A.C. bacteria growth conditions and bacterial growth on the MicroDish Culture chip (MDCC). Secondary metabolites production and extraction from several biological systems. DNA and RNA extraction, cDNA synthesis, oligonucleotide design, PCR, real-time PCR with lightCycler 480 (Roche), 16S rRNA amplification for bacteria phylogenetic analysis, agarose gel electrophoresis. Liquid inhibition assay as Minimal Inhibitory Concentration (MIC). Bacterial transformation, characterization and expression of proteins, proteins separation through SDS-PAGE electrophoresis, gel comassie staining, Western Blot technique with x-ray slabs acquisition or VersaDoc Biorad Imaging System with QuantityOne software. E.L.I.S.A. assay. Purification techniques: ionic and hydrophobic exchange chromatography, gel filtration chromatography FPLC, SPE fractionation, UPLC with Empower 3 software, HPLC with Chromeleon software. Expertise in cultivation and manipulation of the nematode <i>C. Elegans</i> . Inclusion techniques, Immunohistochemical techniques, tissue analysis and staining. Experienced in experimental planning.
Computer skills	Good knowledge of Microsoft Office (Word, Excel, PowerPoint) and MAC-OS - current usage of various softwares.
Other skills and hobbies	In my spare time I organize football match with my friends and I love to drive my motorbike and explore with it new places and meet new people. Mountaineering and running.
Driving licence	A - B
Other works	Lifeguard, head entertainer, pony express, waiter, chef's assistant, Disney's America sale clerk and sales representative.
Additional information	<p><b>Poster presentation:</b></p> <p>F. Palma Esposito, C.J. Ingham, G. Brodie, C. Festa, J. Silber, P. Tedesco, P. Corral Villa, E. Tortorella, <b>A. Mondini</b>, M. Jaspars, M.V. D'Auria, D. Tasdemir and D. de Pascale. Psychrophilic bacteria as source of novel bioactive compounds. GEOMAR-Biotech Mini Symposium. Challenges and Opportunities in Marine Biotechnology Research and Development in Europe Wissenschaftszentrum, Kiel, Germany; 17-18 December 2015.</p> <p>F. Palma Esposito, C.J. Ingham, D. Tasdemir, P. Tedesco, P. Corral Villa, E. Tortorella, <b>A. Mondini</b> and D. de Pascale. Evaluation of antimicrobial potential of the Antarctic bacterium <i>Aequorivita</i> sp. isolated by the MicroDish Culture Chip. Euromarine Meeting. Exploitation and Legal Aspects on Marine Genetic and Chemical Resources. Institute of Protein Biochemistry, CNR, Via P. Castellino, 111 Naples; April 4-5, 2016.</p> <p><b>Oral communication:</b></p> <p>Next 16<sup>th</sup> June: <b>A. Mondini</b>, F. Palma Esposito, E. Tortorella, P. Tedesco, M. Aurilio, N. De Martino, C. Festa, M.C. Monti, M.V. D'Auria, D. De Pascale. Antarctic marine environment as a source of novel antimicrobial compounds. 47° Congress of the Italian Society of Marine Biology Turin; June 13-17, 2016.</p>

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