

### **Education**

- February - March 2013

Certificate of attendance at the "FEBS Advanced practical course. State-of-the-art infection models for human pathogenic fungi" organized by the FEBS at the HKI - Hans Knöll Institute in Jena (Germany).

- April 2011

Certificate of attendance at the bioinformatic course "Next Generation Sequencing (NGS) and data analysis" organized by the SIGA (Italian Society of Agricultural Genetics) at Salsomaggiore Terme (Italy).

- March 2011

PhD at University of Molise in Quality and Protection of Agroalimentary and Forestry Products (specialization: Fungal Genetics and Biology) at the Department of Animal, Plant and Environmental Sciences, University of Molise, Campobasso (Italy).

- August 2009 - September 2010

PhD visiting student at the University of Missouri-Kansas City in the School of Biological Sciences, Division of Cell Biology and Biophysics, laboratory of Alexander Idnurm.

- September 2009- April 2010

Third and Fourth level certificates of attendance of the Intensive English Program at The Applied Language Institute (ALI) at University of Missouri-Kansas City.

- July 2007

Degree (M. Sc.) in Agricultural Science and Technology at the Department of Animal, Plant and Environmental Sciences, University of Molise, Campobasso (Italy).

- October 2004

Bachelor Degree in Agricultural Science and Technology at the Department of Animal, Plant and Environmental Sciences, University of Molise, Campobasso (Italy).

### **Work experience**

- January 2012 - present

Research Associate (Microbiology, Fungal Genetics and Molecular Biology) at the University of Missouri-Kansas City, School of Biological Sciences, Division of Cell Biology and Biophysics. Supervisor: Prof. Alexander Idnurm.

- April 2011 - December 2011

Research Assistant (Fungal Genetics and Biology) at the University of Molise, Campobasso (Italy), Department of Animal, Plant and Environmental Sciences. Supervisor: Prof. Raffaello Castoria

### **Languages**

**Italian:** native speaker

**English** - Reading skills: good

- Writing skills: good
- Verbal skills: fluent

**Spanish:** beginner

### **Computer knowledge**

Operating Systems: Windows OS, Mac OS and Linux OS.

Good Knowledge of Microsoft Applications (Word, Power Point etc.), graphical software (Photoshop, Illustrator) and specific software for genetics (Sequencher, ClustalW2, MacVector, etc.) and statistical analysis of the data (SPSS).

### **Experience and expertise**

Management of research activities and ability in planning experimental designs.

Familiar with the utilization of all laboratory equipment used for microbiological, genetic, biochemistry and molecular studies such as spectrophotometer, apparatus for nucleic acids electrophoresis and analysis etc.

Familiar with techniques for target and random mutagenesis, as *Agrobacterium tumefaciens*-mediated transformation, electroporation, biolistic and transformation with PEG-lithium acetate.

Familiar with DNA, RNA and protein extraction methods.

Familiar with chromatographic techniques such as TLC and HPLC analysis.

Familiar with the use of standard optical microscope, confocal scope and micromanipulator.

Familiar with plasmid preparation, subcloning procedures, primers design, PCR analysis and its applications, Southern and Northern blot analysis, CHEF analysis, genes reporter cloning and expression (e.g. GFP, mCherry etc.), DAPI, Mitotracker and Calcofluor white staining, etc.

Experience in high throughput screening and bioassay development.

Good knowledge of genomic databases (GenBank, SGD, JGI) and ability in implementing and revising genes annotations.

Familiar with the interpretation of gene expression data based on Real Time PCR.

Ability to perform RNAseq analysis using the Tuxedo Suite package and Trinity and also the web-based platforms Galaxy and iPlant.

### **Awards**

PhD thesis award at the IX annual congress "Evoluzione e prospettive del sistema agrario: etica, logistica, sicurezza e sostenibilità per l'agricoltura (*Evolution and prospects of the agricultural system: ethics, logistics, security and sustainability for agriculture*)" organized by the AISSA [Associazione Italiana Società Scientifiche Agrarie (*Italian Association Scientific Agricultural Societies*)] at University of Florence, Italy.

**DICHIARAZIONE SOSTITUTIVA DELL'ATTO DI NOTORIETA'**  
**(Art. 47 D.P.R. 28 dicembre 2000, n. 445)**

resa ai sensi dell'art.15 c.1, lett. c) del Dlgs 33/2013

Il/la sottoscritto/a GIUSEPPE MAIRI

consapevole delle sanzioni penali, nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 445 del 28 dicembre 2000, relativamente a quanto disposto dal DLgs 33/2013 art. 15 c.1 lettera c) con riferimento all'incarico di DOCENTE conferito dall'Università degli Studi del

Molise, presso il Dipartimento di AAA

**DICHIARA**

- di **non** svolgere incarichi regolati o finanziati dalla pubblica amministrazione;
- di svolgere n. \_\_\_incarico/incarichi regolato/i o finanziato/i dalla pubblica amministrazione presso \_\_\_\_\_
- di **non** avere titolarità di cariche in enti di diritto privato regolate o finanziate dalla pubblica amministrazione;
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- di ~~svolgere~~/non svolgere attività di tipo professionale.

Il sottoscritto dichiara inoltre, rispetto al suddetto incarico, che non sussistono situazioni, anche potenziali, di conflitto di interesse con l'Università degli Studi del Molise.

Luogo e data

SANTA CROCE DI MAGLIANO

13/5/2015

Firma

