




PERSONAL INFORMATION

Tomas Di Mambro

 8, Via Campitello, 03040 Vallemaio (Italy) (+39) 393/6997794 tomas.dimambro@uniurb.it - tomasdimambro@gmail.com

POSITION

Scholarship

EDUCATION AND TRAINING

11/11/2012–31/10/2015

PhD

EQF level 8

University of Urbino "Carlo Bo"
Via Aurelio Saffi 2, 61029 Urbino (Italy)
www.uniurb.it

From November 2012 to October 2013:

PhD project is focused on the characterization of two new biological drugs consisting of recombinant monoclonal antibodies in scFv format specific for the the tumors' treatment.

From October 2013 to October 2015:

Project Leader "PL" of the project: Development and humanization of a scFv against β -1,3 glucans".

06/09/2009–29/02/2012

Master Degree in Biotecnologie Industriali per la produzione di diagnostici, terapeutici e vaccini (110/110 cum laude)

EQF level 7

University of Urbino "Carlo Bo", Urbino (Italy)

Thesis:

In vivo CHARACTERIZATION OF A scFv ANTIBODY FOR THE DIAGNOSIS OF HUMAN MELANOMA

10/2005–06/2009

Degree: Biological science

EQF level 6

University of Urbino "Carlo Bo", Urbino (Italy)

Thesis:

Effects of α -tocopherol on synaptogenesis

09/1999–06/2004

High school leaving qualifications

EQF level 4

Istituto Tecnico per l' Agricoltura e l'Ambiente e Chimico Biologico, Cassino (Italy)

WORK EXPERIENCE

10/03/2012–08/10/2012

Training

University of Urbino "Carlo Bo", Urbino (Italy)

Biochemical characterization of recombinant antibody

Name and address of employer:

Prof. Mauro Magnani, Dott.ssa Sabrina Dominici, Department of Biomolecular Sciences University of Urbino "Carlo Bo" Via Saffi n.2 Urbino (PU) 61029 Italy

e-mail address: mauro.magnani@uniurb.it, sabrina.dominici@uniurb.it

01/07/2010–31/07/2010 **Training**
 University of Urbino "Carlo Bo", Urbino (Italy)
 STAT1 Analysis pathway

Name and address of employer:

Prof. Mauro Magnani, Dott.ssa Sabrina Dominici, Department of Biomolecular Sciences University of Urbino "Carlo Bo" via Saffi n.2 Urbino (PU) 61029 Italy.

e-mail address: mauro.magnani@uniurb.it, sabrina.dominici@uniurb.it

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

- Communication skills
- Ability to work in groups matured in many situations in which the collaboration between figures was essential,
 - Ability to work in stressful situations

Job-related skills

- Production of recombinant antibodies (scFv, diabody, Fab, minibody)
- Humanization of murine antibody by: CDR-grafting, Humanization via resurfacing, Humanization based on CDR homology,
- Total RNA purification,
- PCR primer design,
- PCR and RT-PCR,
- Cloning and expression of recombinat protein in *E. Coli* cells,
- Protein quantification by Bradford (blue di comassie), Lowry (Folin-Ciocalteu) assay and 280 nm,
- Technique of electrophoresis: SDS-PAGE, Agarose gel,
- Western Immunoblotting,
- Cromatography Methods for protein Purification; good command of AKTA Purifier 10 chromatograph,
- ELISA test,

- Immunofluorescence technique,
- Good knowledge of bioinformatic tools such as: IgBlastTool, IMGT, EMBOSS, ExpASy, SIB Bioinformatics Resource Portal, pBLAST, nBLAST, PDB,
- Problem Solving,

Digital competence

	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Independent user	Proficient user	Independent user	Proficient user	Independent user

Digital competences - Self-assessment grid

Driving licence B

ADDITIONAL INFORMATION

Conferences

- *Preclinic development of biological drugs: Diathis1, scFv anti CEA for in vivo diagnosis of melanoma.*

C. Buondelmonte, S. Dominici, T. Di Mambro, M. Magnani.

24rd National Meeting "Castellani" of PhD student in Biochemistry. Brallo di Pregola, 11-15 June 2012.

- *Design and humanization of a murine scfv antibody against β 1,3 glucan of *Aspergillus fumigatus*.*

T. Di Mambro^{1*}, M. Bianchi¹, G. Serafini¹, M. Magnani¹

1: Department of Biomolecular Sciences University of Urbino "Carlo Bo"

*: Diatheva s.r.l Via Tommaso Campanella, 1, 61032 Fano PU

27a National Meeting "Castellani" of PhD student in Biochemistry. Brallo di Pregola (PV), Italy

POSTER PRESENTATION

- *Human scFv 2G8: A new antibody against β 1,3 glucan of pathogenic fungi.*

T. Di Mambro^{1*}, M. Bianchi¹, G. Serafini¹, F. Baroni², A. Spisni²,

M. Magnani¹

1: Department of Biomolecular Sciences University of Urbino "Carlo Bo"

2: University of Parma, Via Voltumo, 39 43100 Parma, ITALY

*: Diatheva s.r.l Via Tommaso Campanella, 1, 61032 Fano PU

58th National Meeting of the Italian Society of Biochemistry and Molecular Biology Urbino, September 14-16, 2015

ABSTRACT SELEZIONATED FOR ORAL PRESENTATION