Curriculum Vitae

Personal informations

First name / Surname	Maria Nitti
Address	75, Via Campo San Leonardo, 83040, Gesualdo (AV), Italy
Telephone	Home: +39 0825 403282 Mobile: +39 3206769178
E-mail	nitti_maria@libero.it
Nationality	Italian
Date of birth	04/02/1984
Gender	female

Work experience

Dates	*01/2014 - Up to now*
Occupation or position held	Second Level master in preclinical and clinical drug development and post-marketing Monitoring
Name and address of employer	'Federico II' University of Naples, Naples, IT

Dates	*01/05/2014– Up to now*
Occupation or position held	Post doc fellowship
Main activities and responsibilities	To Study the molecular mechanism of Rac1 protein during theacquisition of epithelial cell polarity as regard to: -understand the intracellular traffic of Rac1 in rat thyroid cell line -understand the molecular mechanism by Rac1 regulates E-Cadherin mediated cell junctions -Identify Rac1 cytosolic partners: protein interaction studies
Name and address of employer	DMMBM - Department of Molecular Medicine and Medical Biotechnology 'Federico II' University - 5, Via S. Pansini, 80131, Naples, Italy

Dates	*03/2010 – 08/2013*
Occupation or position held	Ph.D. in Molecular Pathology and Pathophysiology
Thesis title	Interfering with Rac1 activity in FRT thyroid epithelial cells impairs the expression of the polarized phenotype and of the E-cadherin function
Main activities and responsibilities	I am studying the role of the Rac1 protein in the acquisition and maintenance of the polarized phenotype in epithelial cells • RNA-interference analysis on thyroid cell lines • Study of the Rac1 signal pathway and of Rac1 influence on adherens junction • Identification of Rac1 cytosolic partners, protein interaction studies

Name and address of employer	Department of Molecular Medicine and Medical Biotechnology 'L.Califano Federico II' University Polyclinic – 5, Via S. Pansini, 80131, Naples, Italy
Dates	*03/2009 - 03/2010*
Occupation or position held	Internship
Main activities and responsibilities	I worked on a research project to identify the role and function of Rac1 in the acquisition and maintenance of cell polarity in FRT thyroid epithelial cells I improved my experience in molecular and cellular biology, especially we observed the effect of induction inducible active or dominante negative mutant of Rac1 on: ·trans-epithelial resistance (TER) acquisition by confluent monolayers grown on filters, ·directional migration · cell aggregation and formation of polarized cysts in suspension culture
Name and address of employer 'L.Califano'	DBPCM - Department of Cellular and Molecular Biology and Pathology 'Federico II' University Polyclinic – 5, Via S. Pansini, 80131, Naples, Italy

Education and training

Dates	*11/2007 - 03/2009*
Title of qualification awarded	Master's Degree of Science in Medical Biotechnologies **Score: 110/110 cum laude**
Principal subjects/occupational skills covered	Cellular junctional complexes, protein expression Thesis title: Effects of a inducible Rac1 on the polarized phenotype epithelial cells
Name and type of organisation providing education and training	'Federico II' University of Naples, Naples, IT
Level in international classification	ISCED 5
Dates	*05/2006 - 03/2007*
Title of qualification awarded	Bachelor of Science in Biotechnologies for Health **Score: 110/110**
Principal subjects/occupational skills covered	cellular traffic, Thesis title: construction, expression, analysis of a chimeric protein with green fluorescent protein
Name and type of organisation providing education and training	'Federico II' University of Naples, Naples, IT
Level in international classification	ISCED 5

Personal skills and competences

Mother tongue: Italian

Self-assessment
European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent	B2	Independent	B2	Independent	B2	Independent	B1	Independent

(*) Common European Framework of Reference for Languages

Social skills and competences

- Team work: Ability to establish and maintain good working relations with people from different national and cultural backgrounds. Practice of working in research and diagnostic teams, ensuring highest efficiency and contributing with creative approaches to find solutions.

Organisational skills and competences

- Problem solving: I'm skilled in solving problems by taking initiatives and implementing a plan, adopting unexpected and alternative perspectives, based on my past experience, research literature and seeking advice from my colleagues.
- Project management: I manage my projects and workload with determination by setting priorities, planning and monitoring progress, contributing to research work groups. I am able to present data and results, creating graphics, databases, tables and illustrations.
- Supplies management: I managed lab supplies during my internship at the molecular and cellular biology laboratory. I am able to use wisely available facilities and materials.

Personal skills

- I am a tenacious, curious, enthusiastic and very motivated person. I am very organized person, reliable and characterized by dynamism and creativity.

Technical skills and competences

- Cellular biology and biochemistry
  - Western blotting analysis
  - SDS-Page
  - Immunoprecipitation and Co-immunoprecipitation
  - Wound healing assay
- Molecular biology
  - Primers design
  - Quantitative real time PCR and results analysis
  - Agarose gel electrophoresis
  - Transient and stable transfection
- Microscopy
  - Confocal microscopy
  - Phase contrast microscopy
  - Immunofluorescence signals quantization
- Immunofluorescence
  - Immunofluorescence for transmembrane, nuclear and cytoplasmic proteins on cultured cells

- Cell cultures
  Adhesion cell culturing on plastic dishes or coverslips
  suspension cell culturing

Optimization and Troubleshooting: I have adapted and optimized a number of techniques to project needs and different situations.

Computer skills and competences

- Microscopy imaging: Zeiss software for confocal microscopy image acquisition,analysis
- Bioinformatics tools: genome and protein databases and basic tools
- Skilled in Microsoft Office and Adobe Photoshop CS5
  - Skilled in Image J

Personal interests and likes

- Sport
- Cooking
- Photography
- Travelling

Driving license

Italian driving license. Category B vehicles.

Additional informations

References

- Prof. Dr. MD. Lucio Nitsch – nitsch@unina.it
- Dr. Gaetano Calì – g.cali@ieos.cnr.it

- Dr. Anna Mascia – a.mascia@ieos.cnr.it

Dr Simona Paladino spaladin@unina.it,

I hereby authorize the processing of my personal details.

MEETINGS

1. Giornate Scientifiche, Polo delle Scienze e Tecnologie per la Vita. Napoli 11-12 Dicembre 2008, Facoltà di Agraria:
Rac activity regulates polarity of thyroid epithelial cells. Margherita Santoriello, Nunzia Corteggio, Giovanni Amato, Maria Nitti, Gaetano Cali, Corrado Garbi, Lucio Nitsch.

2. **FISV 2009, 11th annual congress**. Riva del Garda 23-25 September 2009:
2.1. ***A constitutively active Rac impairs the acquisition of epithelial cell polarity*** Margherita Santoriello, Annunziata Corteggio, Maria Nitti, Anna Mascia, Virginia D'Oriano, Gaetano Calì, Mario Chiariello, Simona Paladino, Lucio Nitsch, Corrado Garbi.
2.2. ***Membrane Association of Rac and E-Cadherin in FRT Thyroid Epithelial Cells*** Annunziata Corteggio, Margherita Santoriello, Maria Nitti, Anna Mascia, Virginia D'Oriano, Gaetano Calì, Mario Chiariello, Simona Paladino, Corrado Garbi, Lucio Nitsch.

3. ABCD (Associazione di Biologia Cellulare e del Differenziamento), "Traffico di Membrana Biogenesi degli Organelli" .Pontignano, 16-17 Aprile 2010 Pontignano.
Rac1 and the control of cell polarity in FRT thyroid epithelial cells **Santoriello M**., Corteggio A., Nitti M., Mascia A., Calì G., Paladino S.,R., Nitsch L., GarbiC.

4. ABCD riunione nazionale dottorandi 10-12 giugno 2010 Gubbio
Membrane Association of Rac and E-Cadherin in FRT Thyroid. Epithelial Cells Annunziata Corteggio, Margherita Santoriello, Maria Nitti, Anna Mascia, Gaetano Calì, Mario Chiariello, Simona Paladino, Corrado Garbi, Lucio Nitsch

5. Giornate Scientifiche, Polo delle Scienze e Tecnologie per la Vita. Napoli 24-26 novembre 2010. Facoltà di Medicina e Chirurgia

6. The EMBO meeting 2010-BARCELLONA 4-7 settembre 2010
Rac1 and the control of cell polarity in FRT thyroid epithelial cells Santoriello M., Corteggio A. , Nitti M. , Mascia A. , Calì G. , Paladino S. ,Nitsch L. , Garbi C.

7. ABCD (Associazione di Biologia Cellulare e del Differenziamento), "Traffico di Membrana Biogenesi degli Organelli" Ravenna, 8-10 settembre 2011.

Rac1 controls cell polarity in FRT thyroid epithelial cells M.Nitti1, M Santoriello1A.Corteggio1 ,A. Mascia2, G. Calì 2, S. Paladino1, L. Nitsch1, C. Garbi 1

8. ABCD riunione nazionale dottorandi 20-22 ottobre 2011 Gubbio
Rac1 controls cell polarity in FRT thyroid epithelial cells M.Nitti1, M.Santoriello1A.Corteggio1 ,A. Mascia2, G. Calì 2, S. Paladino1, L. Nitsch1, C. Garbi 1

9. **ABCD** (Associazione di Biologia Cellulare e del Differenziamento), **Membrane Traff icking and Organelle Biogenesis meet ing (MTOB)** PESARO, 4-5 APRILE 2 014