

PERSONAL INFORMATION

Name SIMONE REANO
Date and place of birth [REDACTED]
Citizenship [REDACTED]
Address [REDACTED]
Phone [REDACTED]
e-mail [REDACTED]

POSITION

Post doctoral position in the Laboratory of Biochemistry directed by Prof. A. Graziani in Nicoletta Filigheddu's working group at the Dept. of Translational Medicine, Università del Piemonte Orientale, Novara.

WORK EXPERIENCE

Dates

2013-present

Occupation or position held

Post doctoral position in the Laboratory of Biochemistry directed by Prof. A. Graziani in Nicoletta Filigheddu's working group at the Dept. of Translational Medicine of Novara.

Main activities and responsibilities

(i) investigation of unacylated ghrelin (UnAG) effects in skeletal muscle regeneration, in particular on satellite cell activities; (ii) identification of its physiological role in muscle repair process; (iii) UnAG therapeutic applications in muscular dystrophy; (iv) study of acylated ghrelin (AG) and UnAG anti-cachectic activity in tumor cachexia models.

Writing and management of several research projects on the study of muscle stem cell biology, experimental designer and performer.

Employer's name and locality

University of Piemonte Orientale, Dept. of Translational Medicine, via Solaroli 17, 28100 Novara, Italy

Type of business or sect

Cell biology and biochemistry

Dates	2009 – 2011
Occupation or position held	Bio-medical research as PhD student in the Laboratory of Biochemistry directed by Prof. A. Graziani at Dept. of Translational Medicine of Novara.
Main activities and responsibilities	(i) study of the anti-atrophic effect of AG and UnAG in skeletal muscle, through <i>in vitro</i> and <i>in vivo</i> experiments; (ii) identification of AG and UnAG pathway involved; (iii) study of AG and UnAG effects on skeletal muscle regeneration after induced damage. Experimental performer and designer of my project in muscle biology.
Employer's name and locality	University of Piemonte Orientale, Dept. of Translational Medicine, via Solaroli, 28100 Novara, Italy.
Type of business or sect	Cell biology, biochemistry, molecular biology
Dates	2006 – 2009
Occupation or position held	Studentship training in the Laboratory of Biochemistry directed by Prof. A. Graziani at Dept. of Translational Medicine of Novara.
Main activities and responsibilities	(i) Generation of transgenic mouse overexpressing ghrelin gene in cardiac muscle, (ii) preliminary study of the anti-atrophic effect of AG and UnAG in skeletal muscle, through <i>in vitro</i> and <i>in vivo</i> experiments.
Employer's name and locality	University of Piemonte Orientale, Dept. of Translational Medicine, via Solaroli 17, 28100 Novara, Italy.
Type of business or sect	Cell biology, biochemistry, molecular biology

EDUCATION AND TRAINING

Date	April 2013
Qualification awarded	PhD in Biotechnology for Human Health (Nov 2009-Oct 2012).
Education or training organisation's name and locality	University of Piemonte Orientale, Dept. of Translational Medicine, Novara, Italy.
Principal subjects covered or skills acquired	Cell biology, molecular biology, biochemistry
Date	July 2009
Qualification awarded	Master's Degree "Laurea Magistrale" in Medical and Pharmaceutical Biotechnology with the final result of 106/110.
Education or training organisation's name and locality	University of Piemonte Orientale in Novara (Italy).
Principal subjects covered or skills acquired	Cell biology, molecular biology, biochemistry, pathology, pharmacology
Date	July 2007
Qualification awarded	First Degree "Laurea" in Biotechnology with the final result of 104/110.
Education or training organisation's name and locality	University of Piemonte Orientale in Novara (Italy).
Principal subjects covered or skills acquired	Cell biology, biochemistry, pharmacology, chemistry.

Date	2003
Qualification awarded	Secondary School Diploma) with the result of 95/100.
Education or training organisation's name and locality	High school Institute "P.martinetti" of Caluso
PERSONAL SKILLS	
Mother tongue(s)	Italian
Other language(s)	English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B1	B1	B2

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

Communication skills	Good communicative aptitudes gained through my experience in routine laboratory's work and in scientific talks during national and international scientific meetings.
Organisational / managerial skills	Good organizational aptitudes, working with motivation and accuracy and acting as a part of a team. Capacity to solve and manage different scientific problems, and the ability to arrange new experimental strategies.
Job-related skills	<ul style="list-style-type: none"> -Knowledge of a wide range of experimental techniques of cell biology, molecular biology and biochemistry (PCR, real time RT-qPCR, SDS-PAGE and western blot, immunoprecipitation, etc...) -Eukaryotic cell culture (in particular primary myoblast culture) -immunological methods (including ELISA immunoassays and other diagnostic assay) -Ex vivo tissue processing and analysis (histological analysis of tissue slices through chemical and immunofluorescence staining)

- Fluorescence and light microscopy, image processing
- High skills in vivo techniques and mice handling

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Independent user	Independent user	Independent user
Levels: Basic user - Independent user - Proficient user Digital competences - Self-assessment grid				

Good knowledge of the operating system Microsoft Windows and in specific imaging software (Jmicrovision, ImageJ, ImageProPlus). Daily use of the medical and biological public database (PubMed, Uniprot, Protein Data Bank...), databases and Internet resources.

Other skills

(2012) Course attended: english course ABESCHOOL (American Business English School). Certificate of attendance, scientific english: Level B1, final score: 79/110.

(2009) Mentoring experience: tutoring activities during Statistics course for the second year students of Medicine (University of Piemonte Orientale)

Driving licence

Driving licence category: B

ADDITIONAL INFORMATION

Publications

Reano S, Angelino A, Ferrara M, Sustova H, Sabry O, Malacarne V, Agosti E, Clerici S, Ruozi G, Zentilin L, Prodám F, Geuna S, Giacca M, Graziani A, N Filigheddu. **Unacylated ghrelin enhances satellite cell function and relieves mdx dystrophic phenotype**. Submitted to Stem Cell.

1. Oltolina F, Zamperone A, Colangelo D, Gregoletto L, **Reano S**, Pietronave S, Merlin S, Talmon M, Novelli E, Diena M, Nicoletti C, Musarò A, Filigheddu N, Follenzi A, Prat M. **Human cardiac progenitor spheroids exhibit enhanced engraftment potential**. PLoS One. 2015 Sep 16;10(9)

2. Angelino E, **Reano S**, Ferrara M, Agosti E, Graziani A, Filigheddu N. **Antifibrotic activity of acylated and unacylated ghrelin**. *Int J Endocrinol*. 2015;2015:385682.
 3. **Reano S**, Graziani A, Filigheddu N. **Acylated and unacylated ghrelin administration to blunt muscle wasting**. *Curr Opin Clin Nutr Metab Care*. 2014 May;17(3):236-40.
 4. Raimondo S, Ronchi G, Geuna S, Pascal D, **Reano S**, Filigheddu N, Graziani A. **Ghrelin: a novel neuromuscular recovery promoting factor?** *Int Rev Neurobiol*. 2013;108:207-21.
 5. Porporato PE, Filigheddu N, **Reano S**, Ferrara M, Angelino E, Gnocchi VF, Prodám F, Ronchi G, Fagoonee S, Fornaro M, Chianale F, Baldanzi G, Surico N, Sinigaglia F, Perroteau I, Smith RG, Sun Y, Geuna S, Graziani A. **Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice**. *J Clin Invest*. 2013 Feb 1;123(2):611-22.
 6. **Reano S**, Angelino E, Ferrara M, Sabry O, Graziani A, Filigheddu N. **Unacylated ghrelin enhances skeletal muscle regeneration**. *Eur J Transl Myol - Basic Appl Myol* 2014; 24 (4): xxx-yyy (Congress abstract)
 7. Ferrara M, **Reano S**, Porporato PE, Filigheddu N, Graziani A. **Ghrelin and unacylated ghrelin inhibit muscle atrophy in C2C12 myotubes through p38 and mTORC2 pathways without stimulating mTORC1 and protein synthesis**. *THE FEBS JOURNAL*, 2011, vol. 278, p. 357 (Congress abstract)
- Reano S**, Angelino E, Ferrara M, Sabry O, Graziani A, Filigheddu N. **Unacylated ghrelin enhances skeletal muscle regeneration**. XI Annual Meeting 2- 5 October 2014, Interuniversity Institute of myology, Borgo San Luigi, Monteriggioni (Siena), Italy.
1. Angelino E, Ferrara M, **Reano S**, Gortan Cappellari G, Sustova H, Agosti E, Clerici S, Barazzoni R, Filigheddu N, Graziani A. **Activation of acylated ghrelin receptor, GHSR1, impairs ghrelin anti-atrophic activity in skeletal muscle**. 8th International Conference on Cachexia, Sarcopenia and Muscle Wasting. Paris, France. December 4-6th, 2015.
2. **Reano S**, Angelino E, Ferrara M, Sustova H, Agosti E, Clerici S, Filigheddu N, Graziani A. **Unacylated ghrelin stimulates satellite cells self renewal and skeletal muscle regeneration**. Ascona, Switzerland. September, 20-25th. 2015

Oral
presentations

Poster
presentations

3. Angelino E, **Reano S**, Ferrara M, Sustova H, Agosti E, Clerici S, Graziani A, Filigheddu N. **Unacylated ghrelin enhances satellite cells activity and promotes skeletal muscle regeneration**. International spring research day. Lugano-Vezia, Switzerland. June 19th, 2015.
4. Sustova H, **Reano S**, Angelino A, Agosti E, Ferrara M, Clerici S, Graziani A, Filigheddu N. **Positive effects of unacylated ghrelin on dystrophic muscle in vivo**. Biochemical PhD students meeting. Brallo-Pavia, Italy. 2015.
5. Agosti E, Angelino E, **Reano S**, Sustova H, Ferrara M, Clerici S, Graziani A, Filigheddu N. **Protective effects of unacylated ghrelin in aging mice**. Brallo-Pavia, Italy. 2015.
6. Ferrara M, Sabry O, **Reano S**, Angelino E, Ciruolo E, Coletti D, Hirsch E, Costelli P, Filigheddu N, Graziani A. **A GHSR1a-independent signaling contributes to ghrelin anti-cachectic activity in skeletal muscle and is reciprocally regulated by PI3-kinase beta and gamma isoforms**. 2nd cancer cachexia conference. Montreal, Canada. September 26-28th, 2014.

Honors and awards

Fellowship (January 2015 – today) provided by research grant from the Muscular Dystrophy Association (MDA). Scientific supervisor: Nicoletta Filigheddu, PhD.

Fellowship (January 2014 – December 2014) provided by University of Piemonte Orientale. Title: "Identification of Unacylated Ghrelin Receptor and its involvement in skeletal muscle wasting". Scientific supervisor: Prof. Andrea Graziani.

Fellowship (February 2013 - December 2013) provided by University of Piemonte Orientale. Title: "Ghrelin peptide as novel anti-atrophic factors acting directly in the skeletal muscle: identification of their molecular mechanisms and of their role in cancer cachexia". Scientific supervisor: Prof. Andrea Graziani.

Scholarship (December 2012 - February 2013) provided by University of Torino. Title: "Ruolo di ghrelina nei processi di degenerazione e rigenerazione neuromuscolare". Scientific supervisor: Prof. Stefano Geuna.

