

# NICCOLÒ ARECCO

Final year PhD Student

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Heidelberg, Germany



## EXPERIENCE

### PhD Student

#### EMBL, Genome Biology Unit

Sep 2014 – Dec 2018

Heidelberg, Germany

- Gained independence and developed a project from scratch.
- Acquired extensive knowledge in the fields of molecular neuroscience, chromatin biology and genomics.
- Engineered knock-out and knock-in eukaryotic cell lines with CRISPR/Cas9 methods.
- Established ChIP protocols for chromatin associated factors, biochemical assays, and mass spectrometry experiments procedures.
- Integrated data from ChIP-seq and RNA-seq.
- Trained 2 interns who subsequently entered competitive PhD programmes.

### Master student

#### University of Turin, Department of Molecular Biotechnology

Nov 2012 – Jul 2014

Torino, Italy

- Gained experience with Mass Spectrometry Imaging and Magnetic Resonance Imaging in mouse models.

### Summer intern

#### University of Liverpool, Department of Biochemistry

Jun 2013 – Sep 2013

Liverpool, United Kingdom

- Developed mass spectrometry friendly method for enriching extracellular matrix proteins from muscular dystrophy tissues.
- Acquired experience in biochemistry techniques.

## EDUCATION

### PhD in Epigenetics and Neuroscience

#### EMBL, Heidelberg

Sep 2014 – Dec 2018

### M.Sc. in Molecular Imaging

#### Università degli Studi di Torino

Oct 2012 – Jul 2014

### B.Sc. in Molecular Biotechnology

#### Università degli Studi di Torino

Oct 2009 – Sep 2012

## PUBLICATIONS

- Deliu E.\*, Arecco, N.\* et al. "Haploinsufficiency of the intellectual disability-gene SETD5 disturbs developmental gene expression and cognition." *Nature Neuroscience* (2018)
- Arecco, N.\*. et al. "Elastase levels and activity are increased in dystrophic muscle and impair myoblast cell survival, proliferation and differentiation." *Scientific Reports* (2016)

## EXPERTISE

ChIP-seq RNA-seq IP-MS CRISPR/Cas9  
Tissue Culture Molecular Biology  
Biochemistry and Protein Purification

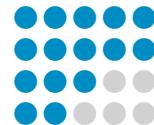
Data Analysis R bash Python

## SOFT SKILLS

Scientific Presentation: great oral communication skills.  
Scientific event organisation: took part in PhD symposium organisation, hosted one panel discussion session and several speakers.  
Teaching and mentoring: organised a module of the EMBL predocs course. Gave lectures about learning and using R for biologists. Supervised interns during my PhD.

## LANGUAGES

English  
Italian  
German  
Spanish



## REFEREES

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