



## Europass curriculum vitae

### Personal information

First name / Surname **Luca Cornetti**

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Nationality Italian

Date of birth 2<sup>nd</sup> June 1983

Gender Male

### Education and training

Dates 10/2005 - 02/2008

Title of qualification awarded Master degree in Biomolecular Science

Principal subjects/Occupational skills covered Molecular Biology, Genetics  
Thesis title: "Denaturing HPLC (DHPLC) and new genetic applications in scientific investigations".  
Supervisor: Prof. Giorgio Bertorelle. Final mark: 110/110 cum laude

Name and type of organisation providing education and training University of Ferrara

Dates 10/2002 – 10/2005

Title of qualification awarded Bachelor of Science in Biology

Principal subjects/Occupational skills covered Bioinformatics, Genetics  
Thesis title: "Human genomic diversity analysis: comparison between nuclear and mitochondrial polymorphisms". Supervisor: Prof. Guido Barbujani. Final mark: 110/110 cum laude

Name and type of organisation providing education and training University of Ferrara

Dates 1997 – 2002

Title of qualification awarded High school leaving qualification

Name and type of organisation providing education and training Secondary School focusing on science "A.Roiti", viale Leopardi 64 Ferrara

## Work experience

Dates	1/3/2009 up to now
Occupation or position held	Laboratory and field research assistant in molecular ecology
Main activities and responsibilities	<p>Take part in ACESAP Project (Alpine Ecosystems in a Changing Environment: Biodiversity Sensitivity and Adaptive Potential). Supervisor: Dott. Cristiano Vernesi.</p> <ul style="list-style-type: none"><li>▪ Reptiles (<i>Zootoca vivipara</i>) and amphibians (<i>Rana temporaria</i>, <i>Bombina variegata</i>) sampling in mountain areas of Trentino.</li><li>▪ Storing of tissue samples collected; creation of databases</li><li>▪ DNA Extraction by Commercial Kit (Qiagen) or Phenol-chloroform extraction</li><li>▪ DNA Amplification via PCR and nested-PCR (mitochondrial markers, nuclear genes and microsatellites). Use of PTC-100 (MJ Research), Veriti (Applied Biosystem), GeneAmp PCR2700 (Applied Biosystem) e PE9700 (Perkin Elmer)</li><li>▪ Agarose Gel Electrophoresis</li><li>▪ Sizing, quantification and quality control of DNA by Agilent 2100 Bioanalyzer</li><li>▪ Sequencing DNA reaction by ABI PRISM 3130 Automated Capillary DNA Sequencer (Applied Biosystem)</li><li>▪ Microsatellites analysis by ABI PRISM 3130 Automated Capillary DNA Sequencer (Applied Biosystem)</li><li>▪ Editing of DNA sequences (Editing: Finch TV , Sequencer 4.7; Alignment: ClustalX)</li><li>▪ DNA sequence analysis (Arlequin, DnaSP, Network, Phylip, Paup, BioEdit, Mega, Dambe, Network)</li></ul>
Name and address of employer	Research and Innovation Center - "Edmund Mach" Foundation Center of Alpine Ecology Viote del Monte Bondone - 38040 Trento - Italy
Type of business or sector	Scientific research
Dates	1/7/2008 – 31/12/2008
Occupation or position held	Trainee in wildlife ecology and biodiversity team
Main activities and responsibilities	<p>Take part in the preliminary step of ACESAP Project:</p> <ul style="list-style-type: none"><li>▪ Partnership with Dr. Michele Menegon (Museo Tridentino di Scienze Naturali)</li></ul> <p>Partnership with Dr. Luca Fontanesi, University of Bologna, Sezione di Allevamenti Zootecnici (DIPROVAL sede di Reggio Emilia)</p> <ul style="list-style-type: none"><li>▪ Preliminary examination to study MC1R gene (responsible for intraspecific coat colour variation in mammals), to make a research about galliformes in the area of Trentino Alto Adige</li></ul> <p>Ancient DNA analysis</p> <ul style="list-style-type: none"><li>▪ DNA Extraction from bones and tissue</li><li>▪ DNA Amplification via PCR (mitochondrial markers)</li><li>▪ Agarose Gel Electrophoresis</li><li>▪ Sequencing DNA reaction</li><li>▪ Editing of DNA sequences</li></ul> <p>Partnership with Carabinieri of Borgo Valsugana: animal species identification through DNA extraction, amplification and sequencing from blood stain detected during an investigation.</p>
Name and address of employer	Research and Innovation Center - "Edmund Mach" Foundation Center of Alpine Ecology Viote del Monte Bondone - 38040 Trento - Italy
Type of business or sector	Scientific research

Dates October 2007 – January 2008

Occupation or position held University trainee

Main activities and responsibilities Laboratory analysis aimed at writing the Masters Degree thesis:

- Human DNA amplification; in particular forensic markers
- Microsatellites analysis by means of DHPLC (Wave System Transgenomic)

Name and address of employer Reparto Investigazioni scientifiche (R.I.S.) Arma dei Carabinieri (Parma)

Type of business or sector Scientific research

Dates July 2006 – September 2006

Occupation or position held University trainee

Main activities and responsibilities Laboratory analysis to test allergies and autoimmune diseases

Name and address of employer S. Anna hospital of Ferrara

Type of business or sector Scientific research in health service

Dates October 2004 – October 2005

Occupation or position held University trainee

Main activities and responsibilities Internship at Population Genetics department:

- Genetic data analysis with bioinformatic software (Arlequin, PASSaGE)
- Creation and management of genetic databases
- Weekly participation at Journal Club relating to genetics or molecular biology

Name and address of employer Department of Biology, University of Ferrara

Type of business or sector Scientific research

**Personal skills and competences**

Mother tongue **Italian**

Self-assessment

European level (\*)

**Inglese**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Intermediate level	B2	Intermediate level	B1	Intermediate level	B1	Intermediate level	B1	Intermediate level

(\*) Common European Framework of Reference (CEF) level

Social skills and competences Aptitude for team work  
Good coping skills

Organisational skills and competences Self-management of assigned goals

Computer skills and competences Word, Excel, Power Point, Outlook for Windows. Advanced Research on Internet  
Knowledge of some bioinformatic data management software (Finch TV , Sequencer 4.7, BioEdit, ClustalX, Arlequin, PassAge, DnaSP, Network, Phylip)  
In 2006 I achieved ECDL (European Computer Driving Licence)

Driving licence B

Additional information References available upon request

I consent to the use of my personal data in accordance with the provisions of decree 196/2003