



## Europass Curriculum Vitae



### Personal information

First name / Surname

**Monica Luca**

Address

Bulevardul Dacia, Nr 22, 700423, Iasi, Romania

E-mail

luca.monica1@gmail.com

Nationality

Romanian

Date of birth

08.04.1985

Gender

F

### Desired employment / Occupational field

#### Research in phylogenetics

#### Work experience

Dates

01.01.2012 – present

Occupation or position held

Research assistant

Main activities and responsibilities

Genetic analysis of ancient DNA of *Sus scrofa*

Name and address of employer

“Alexandru Ioan Cuza” University, Iasi

Type of business or sector

Molecular genetics and Archaeogenetics Laboratory

Dates

20.11.2012 - 20.02.2013

Occupation or position held

Beneficiary of an Erasmus Training Programme

Main activities and responsibilities

Ancient DNA extraction and quantification, PCR, PCR products purification and DNA sequencing

Name and address of employer

University of Durham, United Kingdom

Type of business or sector

The Department of Archaeogenetics

Dates

1.07.2012 – 15.07.2012

Occupation or position held

Visitor student

Main activities and responsibilities

To receive a work training for ancient DNA analysis

Name and address of employer

University of Durham, United Kingdom

Type of business or sector

The Department of Archaeogenetics

Dates

01.09.2007 – 10.07.2008

Occupation or position held

Beneficiary of an Erasmus-Socrates scholarship

Main activities and responsibilities

Attendance to classes and lab practice

Name and address of employer

“Universidad de Barcelona”, Spain

Type of business or sector

Biochemistry department

## Education and training

Dates	01.10.2011 - present
Title of qualification awarded	PhD student
Principal subjects/ occupational skills covered	"The study of genetic diversity of the <i>Perccottus glenii</i> species using mitochondrial molecular markers"/ DNA extraction and purifying, electrophoresis and DNA sequencing, phylogeography of species, identification of phylogenetic relations in and between populations
Name and type of organisation providing education and training	"Alexandru Ioan Cuza University", Iasi
Standard international level of education	Level 6 – Postuniversity level
Dates	October 2009 – July 2011
Title of qualification awarded	Master graduate
Principal subjects/ occupational skills covered	" Molecular phylogeny within the <i>Vipera ursinii moldavica subspecies</i> " /Cellular and microbial biotechnologies/ Molecular genetics, Biochemistry, Molecular phylogeny
Name and type of organisation providing education and training	"Alexandru Ioan Cuza" University, Iasi
Standard international level of education	Level 6 – postuniversity level
Dates	October 2004 – July 2008
Title of qualification awarded	Bachelor graduate
Principal subjects	"The antibiotic resistance at Enterobacteriaceae – <i>Escherichia coli</i> – genetic and molecular views"/ Biochemistry
Name and type of organisation providing education and training	Alexandru Ioan Cuza" University
Standard international level of education	Level 5 – University level
Dates	September 2000 – June 2004
Title of qualification awarded	Highschool graduate
Principal subjects	Natural sciences
Name and type of organisation providing education and training	National College „Emil Racoviță”, Iași

## Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

**Spanish**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	A2	Basic user

(\*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Organizational competences	During my stay at the University of Durham I had to schedule my work in order to be able to finish a high volume of work in a short time, and also without overlapping with several other projects which were running in the same time and space.
Social skills and competences	<p>-The ability to interact very easy with other people, to adapt to a different cultural environment, gained through the international travels I have done so far, both in work and personal interest;</p> <p>-Good team spirit developed especially in the last three years, while working on different projects with my labmates</p>
Technical skills and competences	<p>Experienced in working with:</p> <ul style="list-style-type: none"> <li>-DNA and RNA automatic extractor Promega Maxwell 16</li> <li>- Pcr Machine</li> <li>- ActGene-Asp-3700 (nanodrop spectromether) and Qubit fluoromether</li> <li>- Eppendorf Minispin centrifuge</li> <li>- Microdismembrator</li> </ul>
Computer skills and competences	<ul style="list-style-type: none"> <li>• Microsoft Office (Word, Excel, Powerpoint)</li> <li>• UVP Doc ItLS (Doc-ItLS Image Analysis Software)</li> <li>• BECKMAN COULTER CEQ 8000 Genetic Analysis System</li> <li>• Knowledge in phylogenetic analysis applications: Lasergene, Mega5, Geneious, Network, Arlequin, DNA-Sp</li> </ul>

## Additional information

### International scientific conventions attendance:

- **The Third Annual Zoological Congress of “Grigore Antipa” Museum (CZGA 2011), 23-25 of November, 2011, București, Romania; Lucian Gorgan, Ana-Maria Stratulat, Andrei Stefan, Mihaela Ionescu, Monica Luca, “*Carassius* interspecific variability identification using COX I DNA barcoding gene”, poster**
- **The Third Archaeoinvest Congress - Interdisciplinary Research in Archaeology”, 6-8th of June, 2013, Iași, Romania; Luca Monica, Linderholm Anna, Bălășescu Adrian, Stanc Simina, Larson Greger “The archaeogenetic analysis of Chalcolithic swine remains on Romanian territory”, paper**
- **19th Annual Meeting of the European Association of Archaeologists 4-8th of September 2013 Pilsen/ Czech Republic; Monica Luca, Anna Linderholm, Adrian Balasescu, Greger Larson; “The genetic signature of domestic pig in the south-eastern part of the Romanian territory during the Neolithic revealed by ancient mitochondrial DNA”, poster; Monica Luca, Simina Stanc, Anna Linderholm, Greger Larson „The spread of domestic pig in the central and eastern part of the Romanian territory described by the ancient mitochondrial DNA”, poster**
- **The AEA Autumn Conference 2013, „Social space and environment: landscape reconstruction in environmental archaeology”, Kiel University, Germany, September 27-29; Luca M., Stanc S.M, Bejenaru L, “Archaeozoological perspective on swine Neolithic migrations in Romania”, poster**
- **The Fifth Annual Zoological Congress of “Grigore Antipa” Museum (CZGA 2011), 20th-23rd of November, 2013, București, Romania; ”, Monica LUCA, Anna LINDERHOLM, Adrian BĂLĂȘESCU, Simina STANC, Greger LARSON, ”The archaeogenetic analysis of Neolithic swine remains on the Romanian territory, paper**
- **The scientific session of the History National Museum of Moldova (XXIII-rd edition), Chisinau, 3rd of October 2013, Republic of Moldova; Monica Luca, Simina Stanc “Genetic diversity of some Chalcolithic swine on Romanian territory, highlighted through the mitochondrial DNA”, poster**
- **V International Symposium of Ecologists of the Republic of Montenegro (ISEM5), Tivat, 2-5th of October, 2013, Monica Luca, Simina Stanc “Swine Migrations on Romania’s Territory During the Neolithic”, poster**
- **VIII-th International Conference of Zoologists, Chișinău, 10-12 October 2013 - Luca Monica, Rău Marius-Andrei, Gorgan Dragoș Lucian, *Perccottus glenii* – a possible threat for the fresh water ecosystems – poster**
- **The international scientific conference – Present problems of acchaeology, ethnology and arts (VI<sup>th</sup> edition), Chișinău, 22-23 mai 2014, Luminița Bejenaru, Simina Stanc, Monica Luca, „Resturile faunistice din situl cucutenian de la Tăcuta (județul Vaslui): date arheozoologice și arheogenetice” (in Romanian)**
- **6th International Symposium on Biomolecular Archeology (ISBA 6), 27-29 August, 2014, in Basel, Switzerland; Monica Luca, Anna Linderholm, Simina Stanc, Adrian Bălășescu, Greger Larson, *Tracing the genetic profile of *Sus scrofa* on Romanian territory from the Neolithic period until the Middle Ages* – poster**

### National scientific conventions attendance

- **Faculty of Biology Annual Scientific Meeting, Iasi, 24-27 October 2013 - Monica Luca, Mitică Ciorpac, Marius-Andrei Rău, Dragoș Lucian Gorgan**, “Preliminary data for assessing the threat status of the invasive species *Perccottus glenii*” – poster
- **EPE BACAU 2013, 7<sup>th</sup>- 9<sup>th</sup> of November - Monica Luca, Mitică Ciorpac, Daniela Nicuță, Dorel Ureche, Lucian Gorgan**, “Preliminary considerations regarding the *Perccottus glenii* mitochondrial control region variability” – poster; **Mitică Ciorpac, Constantin Ion, Monica Luca, Lucian Bolboacă, Dragoș Lucian Gorgan**, „Colonization pattern of reed-warblers across the Pacific islands inferred by mt DNA analysis” – poster
- **Ovidiu Popescu, Monica Luca, Mitică Ciorpac, Ștefan Zamfirescu, Alexandru Strugariu, Dragoș Lucian Gorgan**,” Phylogeography and molecular diversity of *Vipera ursinii moldavica* from Eastern Romania” – poster

#### Publications:

1. Book chapter - **Luca M., 2014**, „Archaeogenetic analysis” in **George Nuțu, Dorel Paraschiv, Simina-Margareta Stanc, 2014**, „ **NICULIȚEL – A Roman Rural Settlement in North-East Moesia Inferior**”, **Archaeological and archaeozoological research**, pp. **185-190**;
2. **Luca Monica, Stanc Simina, 2014** - Animal resources exploited in the Răcari settlement (Dolj County): Archaeological and archaeogenetical data/ Exploatarea resurselor animale în așezarea de la Răcari (Județul Dolj): date arheozoologice și arheogenetice, Istros, 20, Brăila, ISSN 1453-6943 (ERIH B);
3. **Simina Stanc, Valentin Radu, Monica Luca, 2014** - A faunal assemblage from Iron-Age site of Niculițel (Babadag culture): archaeozoological and archaeogenetical data, **Studia Antiqua et Archaeologica**, XX, Iași, ISSN 1224-2284 (CNCSIS B+);