

Curriculum Vitae

Personal information:

Surname, First name(s)	KJÖLLERSTRÖM, Helena Josefina	
Address	Rua Saraiva de Carvalho, 209, 5º 1300-350 Lisboa Portugal	
Telephone	+351212180707	Cell Phone: +351914695181
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E-mail	josefina.kjollerstrom@gmail.com	
Nationality	Swedish	
Date of birth	Feb-24-1982	
Gender	Female	

Education and training:

Dates	From August 7th to 9th, 2012
Principal subjects/occupational skills covered	Grant Writing Workshop
Name and type of organisation providing education and training	Veterinary Integrative Biosciences, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University
Dates	From March 15th to June 2nd, 2011
Title of qualification awarded	Equine molecular cytogenetics and gene mapping Internship
Principal subjects/occupational skills covered	1. Horse BAC (bacterial artificial chromosome) library screening; 2. BAC DNA isolation and quality control; 3. DNA labeling and fluorescence in situ hybridization (FISH); 4. Microscopy; 5. The use of digital imaging systems and analysis software.
Name and type of organisation providing education and training	Veterinary Integrative Biosciences, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University
Level in national or international classification	Excellent
Dates	11 February to 23 April 2010
Title of qualification awarded	Part of the PhD program
Principal subjects/occupational skills covered	Animal Molecular Cytogenetics
Name and type of organisation providing education and training	Departamento de Genética e Biotecnologia, UTAD, Vila Real, Portugal
Level in national or international classification	17 (17/20)
Dates	25 February to 30 April 2010
Title of qualification awarded	Part of the PhD program
Principal subjects/occupational skills covered	Cellular imaging technologies
Name and type of organisation providing education and training	Departamento de Genética e Biotecnologia, UTAD, Vila Real, Portugal
Level in national or international classification	18 (18/20)

Dates	19 February to 23 June 2009
Title of qualification awarded	Part of the PhD program
Principal subjects/occupational skills covered	Cytogenetics
Name and type of organisation providing education and training	Departamento Biologia Animal, FCUL, Lisboa, Portugal
Level in national or international classification	16 (16/20)
Dates	February to June 2008
Title of qualification awarded	Spanish Language Course – Level II
Principal subjects/occupational skills covered	Spanish - Level II
Name and type of organisation providing education and training	Instituto Espanhol de Linguas
Level in national or international classification	Excellent (90/100)
Dates	October 2007 to February 2008
Title of qualification awarded	Spanish Language Course – Level I
Principal subjects/occupational skills covered	Spanish - Level I
Name and type of organisation providing education and training	Instituto Espanhol de Linguas
Level in national or international classification	Excellent (92/100)
Dates	January to December 2007
Title of qualification awarded	General Management Program. DISLOGO B-Learning Project
Principal subjects/occupational skills covered	Management of Organizations and Strategy; Marketing Analysis; Human Resource Management; Financial Accounting; Financial Analysis; Analysis of Investment Decisions; Management Control; Finance 2; Financial Markets; Taxation
Name and type of organisation providing education and training	Universidade Católica Portuguesa, Faculdade de Ciências Económicas e Empresariais, Lisbon, Portugal
Level in national or international classification	Good with distinction
Dates	9–20 October 2006
Title of qualification awarded	5 th course on Statistics Applied to Agricultural and Animal Experimentation
Principal subjects/occupational skills covered	Statistical analysis in agricultural and animal experimentation.
Name and type of organisation providing education and training	Estação Zootécnica Nacional – Departamento de Genética e Melhoramento Animal, Santarém, Portugal
Level in national or international classification	Approved
Dates	2nd semester 2005
Title of qualification awarded	Scientific Research and Communication in Ecology
Principal subjects/occupational skills covered	Learning to write scientific papers.
Name and type of organisation providing education and training	Faculdade de Ciências da Universidade de Lisboa, Portugal
Level in national or international classification	19 (19/20)

<p>Dates</p> <p>Title of qualification awarded</p> <p>Principal subjects/occupational skills covered</p> <p>Name and type of organisation providing education and training</p> <p>Level in national or international classification</p>	<p>October 2005</p> <p>Graduate degree in Biology Applied to Animal Resources, Land Variant</p> <p>Common Courses: History of Biological Thought, Cell Biology, Chemistry, Animal Biology I, Animal Biology II, Plant Biology, Microbial Biology, Biochemistry, Animal Physiology, Ecology, General Mathematics, Genetics, General Physics, Biostatistics, Anthropology, Evolution, General Geology, Plant Physiology.</p> <p>Specialization in Animal Resources, Land Variant: Biosystematics, Ecotoxicology and Biomonitoring, Terrestrial Wildlife Resources, Entomology, Applied Animal Genetics I, Applied Animal Genetics II, Animal Ecology, Environmental Impact, Applied Population Dynamics, Ethology, Environment and Conservation, Zoogeography, Animal-Plant Interaction, Ecophysiology; Numerical Ecology</p> <p>Faculdade de Ciências da Universidade de Lisboa, Portugal</p> <p>Final average: 15 (15/20)</p> <p>Professional Training: 19 (19/20)</p>
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<p>Dates</p> <p>Title of qualification awarded</p> <p>Principal subjects/occupational skills covered</p> <p>Name and type of organisation providing education and training</p> <p>Level in national or international classification</p>	<p>October 2004 to October 2005</p> <p>Professional Training for the graduate degree in Biology Applied to Animal Resources, Land Variant</p> <p>"The studbook as an instrument in the genetic and demographic analysis of endangered populations: the Sorraia breed case" [in Portuguese] (O Studbook como instrumento na análise genética e demográfica de populações ameaçadas: o caso do cavalo do Sorraia.)</p> <p>Faculdade de Ciências da Universidade de Lisboa, Portugal</p> <p>19 (19/20)</p>
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Work experience:

<p>Dates</p> <p>Occupation or position held</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>18 February 2010 - present</p> <p>PhD Student</p> <p>FCT fellowship SFRH/BD/81502/2011 / Faculdade de Ciências da Universidade de Lisboa, Portugal</p> <p>Education</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>18 to 20 September 2008</p> <p>VI Congresso Ibérico sobre Recursos Genéticos Animais - 4ª Reunião da Sociedade Portuguesa de Recursos Genéticos Animais</p> <p>Part of the Congresses' Organizing Committee</p> <p>SPREGA – Sociedade Portuguesa de Recursos Genéticos Animais Estação Zootécnica Nacional – Fonte Boa 2005-048 Vale de Santarém Portugal</p> <p>Society for Scientific Research</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>From March 2000 to January 2010</p> <p>Vice-president</p> <p>Administration and head of the sales team, marketing</p> <p>Odin Workwear, S.A. Praceta António Almeida Costa 1, 2840-069 Seixal</p> <p>Work wear production and sale</p>

Publications:

- Thesis - Kjölllerström, H.J., "The studbook as an instrument in the genetic and demographic analysis of endangered populations: the Sorraia breed case" [in Portuguese] (O Studbook como instrumento na análise genética e demográfica de populações ameaçadas: o caso do cavalo do Sorraia.), for the degree in Biology Applied to Animal Resources, Land Variant – Pre-Bologna (classification: 19 out of 20)
- Papers - M. Pinheiro, H.J., Kjölllerström, M.M. Oom. 2013. Genetic diversity and demographic structure of the endangered Sorraia horse breed assessed through pedigree analysis. *Livest Sci.* doi:10.1016/j.livsci.2012.11.017
- Kjölllerström, H.J., Collares-Pereira, M.J., Oom, M.M. 2011. First evidence of sex chromosome mosaicism in the endangered Sorraia Horse breed. *Livest Sci.* 136:273–276
- Oom, M.M., Silva, R., Kjölllerström, J., Rampin, M., Fernandes, C., Pas, S., Vercammen, P., Marques-Pereira, N., Santos-Reis, M. & Collares-Pereira, M.J. 2010. Chromosome differentiation in the two non-African isolates of *Genetta genetta*. *Chromosome Res.* 18:726
- Oral communications - Kjölllerström, H.J., Oom, M.M., Raudsepp, T., Chowdhary, B.P. "Fertility Assessment in Sorraia Stallions by Sperm-FISH and *FKBP6* Genotyping". Eleventh International Equine Gene Mapping Workshop. July 22-25, 2015.
- Vallon, M.T., Kjölllerström, H.J., Raudsepp, T. "Molecular Testing of Tobiano and Grey Coat Color in Horses (*Equus caballus*)". 42nd Texas Genetics Society Meeting. March 26-28, 2015. Dallas, Texas, USA.
- Kjölllerström, H.J., Oom, M.M., Raudsepp, T., B.P. Chowdhary. "Determination of sex chromosome aneuploidies in the sperm of Sorraia stallions by sperm-FISH". IIIas Jornadas do Grupo de Trabalho de Investigação em Equídeos. November 6th, 2013. Golegã, Portugal.
- Kjölllerström, H.J., Silva, R.M. & Oom, M.M. "Variability analysis of X and Y- chromosome markers in the Sorraia horse breed, and their use in the screening for sex chromosome abnormalities". [in Portuguese] (Análise da variabilidade genética em microssatélites associados aos cromossomas sexuais no Cavalo do Sorraia.) IIIas Jornadas do Grupo de Trabalho de Investigação em Equídeos. June 25th, 2011. Ponte de Lima, Portugal
- Kjölllerström, H.J., Oom, M.M. "Inbreeding effects on the viability and fertility of the Sorraia horse. Current status and conservation proposal" [in Portuguese] (Efeitos da consanguinidade na viabilidade e fertilidade do cavalo do Sorraia. Estado actual e proposta de conservação.) VI Congresso Ibérico sobre Recursos Genéticos Animais. 4ª Reunião da Sociedade Portuguesa de Recursos Genéticos Animais. 18-20 September 2008. Lisbon, Portugal.
- Pinheiro, M., Kjölllerström, H.J., Oom, M.M. "Genetic and demographic characterization of the Sorraia horse breed, based on the analysis of genealogical data" [in Portuguese] (Caracterização genética e demográfica da raça Sorraia com base na análise de dados genealógicos.) VI Congresso Ibérico sobre Recursos Genéticos Animais. 4ª Reunião da Sociedade Portuguesa de Recursos Genéticos Animais. 18-20 September 2008. Lisbon, Portugal.
- Posters in conferences - Kjölllerström, H.J., Silva, R.M., Luís, C., Oom, M. M. "Variabilidade Genética do Cavalo do Sorraia – estado actual". IIIas Jornadas do Grupo de Trabalho de Investigação em Equídeos. November 6th, 2013. Golegã, Portugal.
- Kjölllerström, H.J., Silva, R.M., Luís, C., Oom, M. M. "Genetic Variability of the Sorraia Horse – Present Status". Tenth International Equine Gene Mapping Workshop. July 10-13, 2013. Furnas, S. Miguel, Azores, Portugal.
- Kjölllerström, H.J., Chowdhary, B.P., Oom, M.M. "Genetic Diversity of the Sorraia horse through genome-wide SNP analysis." Tenth International Equine Gene Mapping Workshop. July 10-13, 2013. Furnas, S. Miguel, Azores, Portugal.
- Kjölllerström, H.J., Chowdhary, B.P., Oom, M.M. "Genome-wide genotyping in the Sorraia horse

	<p>breed". Congresso Ibérico sobre Recursos Genéticos Animais, SPREGA-SERGA. September 13th 15th, 2012. Évora, Portugal.</p> <p>- Silva, R.* , Kjällerström, J.* , Fernandes, C., Raudsepp, T., Pas, A., Vercamen, P., Marques Pereira, N., Collares-Pereira, M.J., Oom, M. M. "New Insights in the karyotype of two <i>Genetta genetta</i> subspecies." 18th ICC. 29 August-2 September 2011. Manchester, UK. (*Co-first authors)</p> <p>- Kjällerström, H.J., Raudsepp, T., Oom, M.M. "Sperm-FISH (Fluorescence in situ Hybridization) as a new tool for fertility evaluation in Sorraia stallions." [in Portuguese] (Hibridação in-situ por fluorescência (FISH) em esperma de garanhões Sorraia como nova ferramenta na avaliação da fertilidade.) Ilas Jornadas do Grupo de Trabalho de Investigação em Equídeos. June 25th, 2011. Ponte de Lima, Portugal</p> <p>- Pereira ,C., Rampin, M., Nabais, C., Kjällerström, H.J., Silva, R., Oom, M.M., Collares-Pereira, M.J. "How to tackle evolutionary processes looking to chromosomes? Some ongoing studies on comparative cytogenetics in vertebrates." VI Encontro Nacional de Biologia Evolutiva. 22 December 2010. Lisbon, Portugal</p> <p>- Oom, M.M., Silva, R., Kjällerström, J., Rampin, M., Fernandes, C., Pas, A., Vercammen, P., Marques-Pereira, N., Santos-Reis, M., Collares-Pereira, M.J. "Chromosome Differentiation In The Two Non-african Isolates Of <i>Genetta genetta</i>." 19th ICACGM. 6-9 June 2010. Balice, Krakow, Poland.</p> <p>- Kjällerström, H.J., Collares-Pereira, M.J., Oom, M.M. "Is subfertility or infertility related to chromosome abnormalities in the Sorraia Horse? – Preliminary results". EAAP – 60th Annual Meeting. 24-27 August 2009. Barcelona, Spain.</p> <p>- Oom, M.M., Kjällerström, H.J., Pinheiro, M. "Evaluating Breeding strategies in the Sorraia Horse endangered breed by pedigree data analysis." EAAP – 60th Annual Meeting. 24-27 August 2009. Barcelona, Spain.</p>
Other publications	Small participation in the book "The Sorraia Horse - an historical and genetic resource to preserv" [in Portuguese] (Pequena participação no livro "O cavalo do Sorraia – Um património histórico e genético a preservar"), Edições Cosmos. 194 pp
Additional information	<p>Lab experience:</p> <p>Since January 2009, working in the Cytogenetics and Genetics CBA lab, on a project about the Sorraia horse, having as supervisors Prof. Maria João Collares-Pereira and Prof. Maria do Mar Oom.</p> <p>Teaching experience:</p> <ul style="list-style-type: none"> - 2009/2010: Assistant in practical classes of Cytogenetics course – C and GTG banding in human, mouse and horse preparations. Assistant in practical classes of <i>Ex-Situ</i> Animal Conservation, on the use of SPARKS and PM2000 in the management of endangered populations. Masters in Conservation Biology, FCUL, Lisbon, Portugal - 2008/2009: Assistant in practical classes of <i>Ex-Situ</i> Animal Conservation, on the use of SPARKS and PM2000 in the management of endangered populations. Masters in Conservation Biology, FCUL, Lisbon, Portugal - 2007/2008: Assistant in practical classes of <i>Ex-Situ</i> Animal Conservation, on the use of SPARKS and PM2000 in the management of endangered populations. Masters in Conservation Biology, FCUL, Lisbon, Portugal - 2006/2007: Assistant in practical classes of the course Applied Animal Genetics I, on the use of SPARKS and PM2000 in the management of endangered populations. Degree in Biology Applied to Animal Resources – land variant. FCUL, Lisbon, Portugal - 2005/2006: Assistant in practical classes of the course Applied Animal Genetics I, on the use of SPARKS and PM2000 in the management of endangered populations. Degree in Biology Applied to Animal Resources – land variant. FCUL, Lisbon, Portugal

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

English**Swedish****Spanish****French****Portuguese**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
B2	B2	B1	B1	A2
C1	C1	C1	C1	C1
A2	A2	A2	A2	A1

(*) Common European Framework of Reference for Languages

Social skills and competences

Member of the Portuguese Equestrian Federation

Member of the AICS – International Sorraia Horse Breeders Association

Member of APA – the Portuguese Horse Driving Association

Organisational skills and competences

- Marketing responsible for the company Odin Workwear, S.A.

- Organizing committee of the 2nd CBA PhD Students Annual Meeting (2011)- Organizing committee of the 3rd CBA PhD Students Annual Meeting (2012)

- Organizing committee of the Illas Jornadas do Grupo de Trabalho de Investigação em Equídeos. November 6th, 2013. Golegã, Portugal

- Organizing committee of the 4th CBA PhD Students Annual Meeting (2013)**Computer skills and competences**

- Excellent knowledge of the SPARKS and PM2000 software (GENES, DEMOG), from the Professional Training for the degree in Biology Applied to Animal Resources, Land Variant

- Experience with JMP statistical software (Professional Training for the graduate degree), STATISTICA (in college, in Numerical Ecology) and SAS (Statistics Applied to Agriculture and Animal Experimentation course)

- Excellent knowledge of the Office TM software (Word TM, Excel TM, Power Point TM, Publisher TM)**Other skills and competences**

Regular practice of horse riding

February 2006, "Sela 4" exam for the Portuguese Equestrian Federation, passed with "Excellent"

Participation in the Santarém Horse Fair in 2005 and 2006, Sorraia Horse stand.

Participation in the Alcochete Horse Fair, from 2006 to 2008, with equestrian shows.

Participation in Security Fairs in Lisbon and Madrid, with stands with work wear.

Driving licence

Category B, since 16-07-2001