

# Curriculum Vitae

## Rafaela Bespalhuk

### Biologin (BSc)

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### Personal Information

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Born December 26<sup>th</sup>, 1989

in Maringá, Brazil

Married and lives in Germany since February, 2013.

### Professional Experience

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| 6/ 2013 – 2016     | Painter and Artist with International experience, Hamburg   |
| 8/ 2015 – 2016     | English Caregiver for private Family, Hamburg   |
| 5/ 2015 – 07/ 2015 | Pedagogical assistant and Native Speaker in the Kita Hansekinder, Hamburg,  |
| 8/ 2012 – 02/ 2013 | Technical assistant in the Laboratory of Functional Organization of the Cells. State University of Maringá (UEM), Brazil.   |
| 8/ 2011 – 7/ 2012  | CNPq (National Council of Technological and Scientific Development) Project in the Laboratory of Functional Organization of the Cells: <i>Productive performance and analysis of the inheritance of DNA markers associated with susceptibility/resistance to BmMNPV in silkworm (Bombyx mori Linneaus) hybrid.</i> State University of Maringá (UEM), Brazil. |
| 8/ 2010 – 7/ 2011  | CNPq (National Council of Technological and Scientific Development) Project in the Laboratory of Functional Organization of the Cells: <i>In silico analysis of sequences expressed in Malpighian tubules of silkworm larvae infected with BmMNPV (Bombyx mori Nucleopolyhedrovirus multiple subgroup).</i> State University of Maringá (UEM), Brazil.        |

### Study and Qualifications

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| 2/ 2015 – 4/ 2015  | German Course B2 Level – Certificate<br>UNS University Service, Hamburg, Deutschland     |
| 4/ 2014 – 10/ 2014 | German Course B1 Level – TELC Certificate<br>Colón Language Center, Hamburg, Deutschland |
| 2/ 2009 – 11/ 2012 | BSc und BEd in Biology<br>State University of Maringá (UEM), Brasilien                   |
| 2/ 2007 - 11/ 2007 | High School <i>Sapiens Colégio</i> , Maringá, Brasilien                                  |
| 2/ 2005 - 11/ 2006 | Secondary School <i>Santa Cruz</i> , Maringá, Brasilien                                  |

### Further Education

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| 08/ 2010 – 07/ 2012 | Research grant from CNPq ( <i>National Council of Technological and Scientific Development</i> ) |
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### Additional

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| Language | Portugiesisch: Native language<br>English: Fluent in speech and writing |
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German: B2 Level – Good communication and understanding.

Computer Knowledge	Very good knowledge of MS Excel, MS PowerPoint, MS Word Basic knowledge of Bioinformatics and Sequence analysis
Active Knowledge	Molecular biological techniques and Bioinformatics: DNA / RNA Extraction and Quantification (qPCR), Northern blot, Western blot, ISSR, PCR / qPCR, marker analysis (RAPD), sequence analysis, micro dissection, sterilization techniques, DNA cloning, microbiological basic techniques.

## Main Publications

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Bignotto, T S ; Munhoz, R E F ; Pereira, N C ; **Bespalhuk, R** ; Saez, C R N ; Fassina, V A ; Fernandez, M A . *Allelic Variability in the Intronic Region of the Fibroin Heavy-Chain Gene in Silkworm Bombyx mori L. Strains of Brazilian Germplasm Bank*. Neotropical Entomology **JCR**, v. 43, p. 252-259, **2014**.

FASSINA, V. A. ; Bignotto, T. S. ; Munhoz, R. E. F. ; Fulan, B. ; Bravo, J. P. ; Garay, L. B. ; **Bespalhuk, R.** ; Saez, C. R. N. ; Pereira, N.C. ; Pessini, G. M. ; Fernandez, M. A. . *Low Genetic Polymorphism at the Cytochrome C Oxidase I in Silkworm Strains of the Brazilian Germplasm Bank*. Open Journal of Genetics, v. 04, p. 202-209, **2014**.

Pereira, N.C. ; Munhoz, R.E.F. ; Bignotto, T.S. ; **Bespalhuk, R.** ; Garay, L.B. ; Saez, C.R.N. ; Fassina, V.A. ; Nembri, A. ; Fernandez, M.A. . *Biological and molecular characterization of silkworm strains from the Brazilian germplasm bank of Bombyx mori*. Genetics and Molecular Research **JCR**, v. 12, p. 2138-2147, **2013**.

Munhoz, R.E.F. ; Bignotto, T. S. ; Pereira, N. C. ; Saez, C. R. N. ; **Bespalhuk, R.** ; Fassina, V. A. ; Pessini, G. M. ; Baggio, M. ; Ribeiro, L. F. C. ; Brancalhão, R. M. C. ; Mizuno, S. ; Aita, W. S. ; Fernandez, M. A. . *Evaluation of the toxic effect of chlorantraniliprole on the silkworm Bombyx mori (Lepidoptera: Bombycidae)*. Open Journal of Animal Sciences, v. 3, p. 343-353, **2013**.

**Bespalhuk, R.** ; Munhoz, R. E. F. ; Bignotto, T. S. ; Saez, C. R. N. ; Pereira, N. C. ; Fernandez, M. A. . *In silico analysis of sequences expressed in Malpighian tubules of silkworm larvae infected with BmMNPV (Bombyx mori Nucleopolyhedrovirus multiple subgroup)*. In: Anais 21º Annual Meeting of Scientific Initiation e 2º Annual Meeting of Technological Initiation and Innovation, Maringá. **2012**.

**Bespalhuk, R.**; Pereira, N.; Munhoz, R.; Saez, C.; Fassina, V. A. ; Bignotto, T.; Fernandez, M. A. . *Biological, productive and genetic evaluation of Bombyx mori L. strains that belong to the Universidade Estadual de Maringá silkworm germplasm bank*. Anais XL Annual Meeting of The Brazilian Biochemistry and Molecular Biology Society, **2012**

Saez, C.; **Bespalhuk, R.**; Bignotto, T.; Brancalhão, R. M. C. ; Fassina, V. A. ; Munhoz, R.; Pereira, N.; Ribeiro, L. F. C. ; Fernandez, M. A. . *Investigation of the vertical transmission of BmNPV (Bombyx mori nucleopolyhedrovirus) in silkworms*. In: XV Latinamerican Congress of Genetics - XLI Argentine Congress of Genetics - XLIV Congress of Chile Genetics Society - II Regional Meeting SAG - Litoral, **2012**.

**Bespalhuk, R.** ; Pereira, N. C. ; Munhoz, R. E. F. ; Bignotto, T. S. ; Saez, C. R. N. ; Fassina, V. A. ; Fernandez, M. A. . *Productive performance in silkworm hybrids (Bombyx mori Linnaeus) of the breeding program at the State University of Maringá*. In: Anais XX Annual Meeting of Scientific Initiation , X Research Meeting UEPG e I Annual Meeting of Technological development and Innovation, Ponta Grossa. **2011**.

## Reference

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**Dr. Maria Aparecida Fernandez**, Departamento de Biologia Celular e Genética, Universidade Estadual de Maringá, Avenida Colombo, 5790 – Maringá – Brasilien 87020-900, (+55) 44 3011-5128.  
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