RESUME (CURRICULUM-VITAE)
July, 2018

1. GENERAL IDENTIFICATION

NAME: Elton J. R. Vasconcelos, DVM, PhD
PROFESSIONAL ADDRESS: College of Veterinary Medicine at Western University of Health Sciences. 309 E. 2nd Street, 91766, Pomona, CA, USA. Phone: +1 (909) 469-8242
Email: evasconcelos@westernu.edu
ORCID: http://orcid.org/0000-0001-5130-6622
ResearcherID: www.researcherid.com/rid/O-5593-2014
ResearchGate: www.researchgate.net/profile/Elton_Vasconcelos
Github: https://github.com/eltonjrv

2. OCCUPATION

Currently stands as a postdoctoral fellow (bioinformatician) member of both Dr. Pedro Diniz and Dr. Brian Oakley research groups at the College of Veterinary Medicine, Western University of Health Sciences. Also acts as a Facilitating Assistant Veterinarian (FAV) on PBL teaching sessions for both 1st and 2nd year students at the same College.

→ Researcher acting in the following fields: Molecular Parasitology / Microbiology, Genomics / Transcriptomics and Bioinformatics.

→ Bioinformatics analyst programming in both PERL and R languages and Unix/Shell proficient.

3. EDUCATION

PhD studies: Five years of PhD degree in Cell and Molecular Biology at the University of Sao Paulo (Brazil), School of Medicine of Ribeirao Preto, Department of Cell and Molecular Biology and Pathogenic Bioagents, obtained on Aug/2011.

DVM studies: Five years of bachelor's degree in Veterinary Medicine, College of Veterinary Medicine at the Ceara State University (Brazil) (stands in Brazil as DVM), obtained on Dec/2005.

4. ACADEMIC WORKING EXPERIENCE

I - Postdoc Fellowship: PD-FAPESP (Sao Paulo Research Foundation program for post-doctoral training), full time (Feb/2015 - Jan/2017). Dept. of Biochemistry, Institute of Chemistry, University of Sao Paulo, Verjovski-Almeida Lab. Sao Paulo, SP, Brazil.
Project: Identification and characterization of regulatory long non-coding RNAs on the *Schistosoma mansoni* genome through NGS strategies and systems approach.
Supervisor: Dr. Sergio Verjovski-Almeida

II - Postdoc Fellowship: PDE-CNPq (Brazilian National Council for Scientific and Technological Development program for post-doctoral training in foreign countries), full time (Jan/2013 - Dec/2014). Center for Infectious Disease Research (formerly known as Seattle Biomedical Research Institute), Myler Lab - Bioinformatics Core. Seattle, WA, USA.
Project: *in silico* Identification and characterization of novel non-coding elements in the *Leishmania spp.* genomes.
Supervisor: Dr. Peter Myler

III - One semester teaching to undergrad students from the Veterinary Medicine course at "Faculdades INTA" - 16h/week (Ago-Dec/2012) - Sobral, CE, Brazil
Taught subjects: Veterinary Biochemistry and Veterinary Pharmacology

IV – PhD Fellowship: Sao Paulo Research Foundation (FAPESP) – full time, (Sep/2006 – Aug/2011). University of Sao Paulo, School of Medicine of Ribeirao Preto, Department of Cell and Molecular Biology, Dr. Angela Cruz Lab. Ribeirao Preto, SP, Brazil.

Project: *in silico i*dentification and functional characterization of potential regulatory sites within the untranslated regions of *Leishmania spp.* genomes.

Advisor: Dr. Angela Kaysel Cruz

5. SELECTED PUBLISHED WORK

- Oakley, Brian; **Vasconcelos, Elton**; Diniz, Pedro; Calloway, Kim; Richardson, Ella; Meinersmann, Richard; Cox, Nelson; Berrang, Mark. The cecal microbiome of commercial broiler chickens varies significantly by season. *Poultry Science,* **2018** (in press)
- **Vasconcelos, EJR;** Billeter, SA; Jett, LA; Meinersmann, RJ; Barr, MC; Diniz, PPVP; Oakley, BB. Assessing cat flea microbiomes in northern and southern California by 16S rRNA Next Generation Sequencing. *Vector-Borne and Zoonotic Diseases*, **2018**. PMID: 29893631
- Geiger J, Morton BA, **Vasconcelos EJR**, Tngrian M, Kachani M, Barrón EA, Gavidia CM, Gilman RH, Angulo NP, Lerner R, Tamerin S, Mirrashed H, Oakley B, Diniz PPVP. Molecular Characterization of Tandem Repeat Protein 36 Gene of Ehrlichia canis Detected in Naturally Infected Dogs from Peru. *The American Journal of Tropical Medicine and Hygiene,* **2018**. PMID: 29943707
- **Vasconcelos EJR**, Mesel VC, daSilva LF, Pires DS, Lavezzo GM, Pereira ASA, Amaral MS, Verjovski-Almeida S. Atlas of Schistosoma mansoni long non-coding RNAs and their expression correlation to protein-coding genes. *Database,* **2018.** PMID: 29992321
- **VASCONCELOS, E. J. R.**; SILVA, L. F.; PIRES, D. S.; LAVEZZO, G.; PEREIRA, A. S.; AMARAL, M. S.; VERJOVSKI-ALMEIDA, S. . The *Schistosoma mansoni* genome encodes thousands of long non-coding RNAs predicted to be functional at different parasite life-cycle stages. *Scientific Reports,* **2017**. PMID: 28874839
- TERRÃO M. C.; **ROSAS DE VASCONCELOS E. J.;** DEFINA T. A.; MYLER P. J.; CRUZ A. K. . Disclosing 3' UTR cis-elements and putative partners involved in gene expression regulation in *Leishmania spp.* . *PLoS One*, **2017**. PMID: 28859096
- ANDRADE, A. F. ; BORGES, K. S. ; SUAZO, V. K. ; GERON, L. ; CORRÊA, C. A. ; CASTRO-GAMERO, A. M. ; **VASCONCELOS, E. J. R.** ; OLIVEIRA, R. S. ; NEDER, L. ; YUNES, J. A. ; AGUIAR, S. S. ; SCRIDELI, C. A. ; TONE, L. G. . The DNA methyltransferase inhibitor zebularine exerts antitumor effects and reveals BATF2 as a poor prognostic marker for childhood medulloblastoma. *Investigational New Drugs*, **2016**. PMID: 27785591
- PARSONS, M. ; RAMASAMY, G. ; **VASCONCELOS, E. J. R.** ; JENSEN, B. C. ; MYLER, P. J. . Advancing *Trypanosoma brucei* genome annotation through ribosome profiling and spliced leader mapping. *Molecular and Biochemical Parasitology*, **2015**. PMID:26393539
- LAMBERTZ, U. ; OVANDO, M. O. ; **VASCONCELOS, E. J. R.** ; UNRAU, P. J. ; MYLER, P. J. ; REINER, N. E. . Small RNAs Derived From tRNAs and rRNAs Are Highly Enriched in Exosomes From Both Old and New World *Leishmania* Providing Evidence For Conserved Exosomal RNA Packaging. *BMC Genomics*, v. 16, p. 151, **2015.** PMID: 25764986
- **VASCONCELOS, E. J. R.** ; NUNES, V. S. ; SILVA, M. S. ; SEGATTO, M. ; MYLER, P. J. ; CANO, M. I. N. . The Putative *Leishmania* Telomerase RNA (LeishTER) Undergoes Trans-Splicing and Contains a Conserved Template Sequence. *PLoS One*, **2014.** PMID: 25391020
- JENSEN, B. C. ; RAMASAMY, G. ; **VASCONCELOS, E. J. R.** ; INGOLIA, N. T. ; MYLER, P. J. ; PARSONS, M. . Extensive stage-regulation of translation revealed by ribosome profiling of *Trypanosoma brucei*. *BMC Genomics*, v. 15, p. 911, **2014.** PMID: 25331479

- SILVA, M. S. ; MONTEIRO, J. P. ; NUNES, V. S. ; **VASCONCELOS, E. J. R.** ; PEREZ, A. M. ; FREITAS-JUNIOR, L. H. ; ELIAS, M. C. ; CANO, M. I. N. . *Leishmania amazonensis* Promastigotes Present Two Distinct Modes of Nucleus and Kinetoplast Segregation during Cell Cycle. *PLoS One*, v. 8, p. e81397, **2013.** PMID: 24278433
- **VASCONCELOS, E. J. R.;** TERRÃO, M. C.; RUIZ, J. C.; VÊNCIO, R. Z. N.; CRUZ, A.K.. In silico identification of conserved intercoding sequences in *Leishmania* genomes: Unraveling putative cis-regulatory elements. *Molecular and Biochemical Parasitology*, **2012** Jun;183(2):140-50. PMID: 22387760.

For a complete list of my publications, please visit the following URL:
https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/41101860/?sort=date&direction=descending

6. Ad-hoc JOURNAL REVIEWER

BMC Research Notes; BMC Bioinformatics; Vaccine; Journal of Biomedical Informatics; Infection, Genetics and Evolution.

7. SPECIFIC TRAINING

- PATRIC/RAST Workshop. Provided by Argonne National Laboratory, IL, USA. November, 2017 (24 hours).
- STAMPS Course (Strategies and Techniques for Analyzing Microbial Population Structures). Provided by Marine Biological Laboratory – University of Chicago, Woods Hole, MA, USA. July 30 – August 9, 2017 (75 hours);
- Microbiome Bioinformatics with QIIME2 (Workshop). Provided by Dr. Greg Caporaso's group (Northern Arizona University). Las Vegas, NV, USA. June, 2017 (24 hours);
- Mothur Workshop – Analysis of Microbial Population by 16S high-throughput sequencing using Mothur. Provided and lectured by Prof. Dr. Patrick Schloss (University of Michigan – Dept of Microbiology & Immunology). Romulus, MI, USA. April, 2017 (24 hours);
- Summer Course on Systems Biology of Disease provided by the Institute for Systems Biology, Seattle, WA, USA. July, 2014 (40 hours);
- 1st Summer Course on Structural Bioinformatics: A theory/practical course on Structural Bioinformatics provided by the University of Minas Gerais, Belo Horizonte, Brazil. February, 2011 (80 hours).
- Special Topics on Genomics Analysis: A theory/practical course for an introduction on how to use R language to analyze genomics and transcriptomics data, provided by "Universidade Estadual Paulista", Jaboticabal, Sao Paulo, Brazil. July, 2009 (20 hours).
- EupathDB Workshop 2009: A theory/practical course on pathogens genomes databases provided by EuPathDB Bioinformatics Resource Center for Biodefense and Emerging/Re-emerging Infectious Diseases at the University of Georgia, Athens, USA. June, 2009 (20 hours).

8. LANGUAGES

- Portuguese: native idiom
- English: proficient
- Spanish: good in reading, writing and understanding, fair in speaking

9. INFORMATION / RECOMMENDATION

It may be obtained through the following professors:

- **Pedro P. V. P. Diniz** (DVM, PhD) – Associate Professor, Small Animal Internal Medicine, College of Veterinary Medicine, Western University of Health Sciences, Pomona, CA, USA – **pdiniz@westernu.edu**
- **Brian Oakley** (PhD) – Associate Professor, Microbial Ecology and Food Safety, College of Veterinary Medicine, Western University of Health Sciences, Pomona, CA, USA – **boakley@westernu.edu**
- **Angela K. Cruz** (PhD) – Professor and Head of the Molecular Parasitology Lab at the Department of Cell and Molecular Biology and Pathogenic Bioagents, School of Medicine of Ribeirao Preto, University of Sao Paulo (USP), Ribeirao Preto, SP, Brazil – **akcruz@fmrp.usp.br**
- **Peter J. Myler** (PhD) – Professor & Director of Core Services – Director of Seattle Structural Genomics Center for Infectious Disease (SSGCID) – Center for infectious Disease Research, Seattle, WA, USA – **peter.myler@cidresearch.org**
- **Marilyn Parsons** (PhD) – Professor and Director of Professional Development, Center for infectious Disease Research, Seattle, WA, USA – **marilyn.parsons@cidresearch.org**
- **Ricardo Vencio** (PhD) – Head of the Laboratory for Biological Information Processing (LabPIB) at the Department of Physics and Mathematics of Ribeirao Preto – University of Sao Paulo (USP), Ribeirao Preto, SP, Brazil – **rvencio@usp.br**
- **Maria Isabel N. Cano** (PhD) – Head of the Lab of Telomeres at the Department of Genetics, IBB, Sao Paulo State University (UNESP), Botucatu, SP, Brazil – **micano@ibb.unesp.br**

→ Please add 'Elton Vasconcelos Reference' in the email's subject line

For any other additional information, please contact me directly by e-mail: **evasconcelos@westernu.edu**; eltonjrv@gmail.com