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## **Doctoral degree**

2010-03-05, Biology focusing on Systematics and Biodiversity. University of Gothenburg.  
Thesis title: "Systematics of *Grania* (Clitellata: Enchytraeidae), an interstitial annelid taxon". Supervisor: Prof. Christer Erséus.

## **Postdoctoral positions**

2010-2012 Stanford University, Hopkins Marine Station.  
2012-2014 University of Gothenburg, Sven Lovén Centre for Marine Sciences Kristineberg.

## **Present position**

2014-current Junior Professor ("FoAss") University of Gothenburg, Sven Lovén Centre for Marine Sciences Tjärnö.

## **Previous positions and periods of appointment**

2005-2010, University of Gothenburg, teaching assistant.  
2002-2003, National Marine Fisheries Service, Honolulu, USA, associate scientist.  
2002-2003 Hawaii Pacific University, Honolulu, USA, assistant scientist.  
1999-1999 Chalmers Univ. of Technology, laboratory assistant.

## **Official duties**

Expert evaluator for the National Science Foundation of South Africa (Bioinformatics and Functional Genomics Funding Programme 2013).  
External reviewer for the Research Grants Council (RGC) of Hong Kong (General Research Fund 2014).

## **Awards and independent funding**

Hawaii Pacific University academic excellence award, 2003.  
The Royal Society of Arts and Sciences in Göteborg, 2008, 2013.  
Lundgren's Science Fund, 2006, 2007, 2008, 2013.  
Helge Ax:son Johnson's Foundation, 2008, 2009, 2013.  
Marcus and Amalia Wallenberg's Foundation "Stig Hagström Stipend", 2010.  
Magnus Bergvalls Stiftelse, 2012.  
Oregon State University "Laverne Weber" travel grant, 2013, 2014.  
Längmanska culture foundation, 2013.  
Herbert and Karin Jacobsson's foundation, 2013.

Adlerbertska Foundation, 2013.  
 Swedish Ministry of Agriculture, 2013.  
 Oregon Sea Grant, 2013.

## Publications – Pierre De Wit

### Ph.D. thesis

**De Wit, P.** (2010). Systematics of *Grania* (Clitellata: Enchytraeidae), an interstitial annelid taxon. ISBN 978-91-628-8012-5. Gothenburg, Sweden, Intellecta Infolog.

### Peer-reviewed articles (\* denotes sections of Ph.D. thesis)

**De Wit, P.**, Dupont, S. & Thor, P. (in prep). Selection on genes involved in mitochondrial function and ribosomal structure as a multigenerational response to ocean acidification in an arctic copepod.

Prantoni, A.L., **De Wit, P.** & Erséus, C. (in review). First reports of *Grania* (Clitellata: Enchytraeidae) from Africa and South America - Molecular phylogeny and descriptions of nine new species.

**De Wit, P.**, Pespeni, M. & Palumbi, S.R. (2015). SNP genotyping and population genomics from expressed sequences –current advances and future possibilities.. *Molecular Ecology*. Available online : doi: 10.1111/mec.13165.

Mejlon, E., **De Wit, P.**, Matamoros, L. & Erséus, C. (2015). DNA-based phylogeny of the marine genus *Heterodrilus* (Annelida, Clitellata, Naididae). *Journal of Zoological Systematics and Evolutionary Research*. Available online : doi: 10.1111/jzs.12092.

**De Wit, P.**, Rogers-Bennett, L., Kudela, R.M. & Palumbi, S.R. (2014). Forensic genomics as a novel tool for identifying the causes of mass mortality events. *Nature Communications* 5:3652.

Bengtsson-Palme, J., Ryberg, M., Hartmann, M., Branco, S., Wang, Z., Godhe, A., **De Wit, P.**, Sánchez-García, M., Ebersberger, I., de Sousa, F., Amend, A., Jumpponen, A., Unterseher, M., Kristiansson, E., Abarenkov, K., Bertrand, Y.J.K., Sanli, K., Eriksson, K.M., Vik, U., Veldre, V. & Nilsson, R.H. (2013). Improved software detection and extraction of ITS1 and ITS2 from ribosomal ITS sequences of fungi and other eukaryotes for analysis of environmental sequencing data. *Methods in Ecology and Evolution* 4: 914-919.

**De Wit, P.** & Palumbi, S.R. (2013). Transcriptome-wide polymorphisms of red abalone (*Haliotis rufescens*) reveal patterns of gene flow and local adaptation. *Molecular Ecology* 22: 2884-2897.

**De Wit, P.**, Pespeni, M.S., Ladner, J.T., Barshis, D.J., Seneca, F., Jaris, H., Therkildssen, N., Morikawa, M. & Palumbi, S.R. (2012). The Simple Fool's Guide to Population Genomics via RNA-Seq: An introduction to high-throughput sequencing data analysis. *Molecular Ecology Resources* 12: 1058-1067.

\* **De Wit, P.**, Rota, E. & Erséus, C. (2011). Phylogeny and character evolution in *Grania* (Annelida, Clitellata). *Zoologica Scripta* 40 : 509-519.

\* **De Wit, P.**, Erséus, C. & Gustavsson, L.M. (2011). Ultrastructure of the body wall of three species of *Grania* (Annelida: Clitellata: Enchytraeidae). *Acta Zoologica* 92 (1): 1-11.

\* Erséus, C., Rota, E., Matamoros, L. & **De Wit, P.** (2010). Molecular phylogeny of Enchytraeidae (Annelida, Clitellata). *Molecular Phylogenetics and Evolution* 57: 849-858.

\* **De Wit, P.** & Erséus, C. (2010). Genetic variation and phylogeny of Scandinavian species of *Grania* (Annelida: Clitellata: Enchytraeidae), with the discovery of a cryptic species. *Journal of Zoological Systematics and Evolutionary Research* 48 (4): 285-293.

Nilsson, R.H., Abarenkov, K., Veldre, V., Nylinder, S. **De Wit, P.**, Brosché, S., Alfredsson, J.F., Ryberg, M. & Kristiansson, E. (2010). An open source chimera checker for the fungal ITS region. *Molecular Ecology Resources* 10: 1076-1081.

Zhou, H., Fend, S.V., Gustafson, D.L., **De Wit, P.** & Erséus, C. (2010). Molecular phylogeny of Nearctic species of *Rhynchelmis* (Annelida). *Zoologica Scripta* 39 (4): 378-393.

\* **De Wit, P.**, Rota, E. & Erséus, C. (2009). *Grania* (Annelida: Clitellata: Enchytraeidae) of the Great Barrier Reef, Australia, including four new species and a re-description of *Grania trichaeta* Jamieson, 1977. *Zootaxa* 2165: 16-38.

**De Wit, P.** & Erséus, C. (2007). Seven new species of *Grania* (Annelida: Clitellata: Enchytraeidae) from New Caledonia, South Pacific Ocean. *Zootaxa* 1426: 27-50.

## Conference Participation

**Session organizer** at the Association of Aquatic Sciences and Limnology meeting, Granada, Spain, February 2015.

Oral presentation at the Association of Aquatic Sciences and Limnology meeting, Granada, Spain, February 2015.

**Invited speaker** at the Gordon Research Conference in Marine Molecular Ecology, Hong Kong University of Science and Technology, Hong Kong, August 2013.

**Invited speaker** at the American Genetics Association's Non-model Genomics Workshop, Cornell University, Ithaca, NY, July 2013.

Poster at the Genetics of adaptation symposium, Uppsala, 2013.  
**Invited speaker** at the Symposium of Fishery and Aquatic Sciences, Eskisehir, Turkey, 2012.  
Oral presentation at the Linnaeus Center for Marine Evolutionary Biology meeting, Tjärnö, 2012.  
Oral presentation at the joint symposium on Evolutionary Biology, Ottawa, Canada, 2012.  
Oral presentation at the iEvoBio software development conference, Ottawa, Canada, 2012.  
Poster at Systematikdagarna 2009, Stockholm.  
Oral presentation at the International Symposium on Aquatic Oligochaeta, Antalya, Turkey, 2009.  
Poster at Systematikdagarna 2008, Uppsala.  
Poster at Systematikdagarna 2007, Lund.  
Poster at the International Symposium on Aquatic Oligochaeta, Wuhan , China, 2006.

### **Popular science articles**

**De Wit, P.** (2006). *Grania maricola*. Fauna & Flora 101:2: 25.

### **Other scientific merits**

#### ***Open access computer programs***

The Simple Fool's Guide to population genomics via RNA-Seq. DNA analysis pipeline.  
Available at <http://sfg.stanford.edu>

Chimerachecker. DNA analysis software. Available at  
<http://www.emerencia.org/chimerachecker.html>

ITSx. DNA analysis software. Available at <http://microbiology.se/software/itsx/>

### ***Departmental Seminars***

Hatfield Marine Science Center, Oregon State University, Newport, Oregon, USA, 2014.  
Department of Marine Ecology at Helmholtz Centre for Ocean Research (GEOMAR), Kiel, Germany, 2013.  
Department of Systematic Biology at Uppsala University, 2013.  
Sven Lovén Centre for Marine Sciences, Kristineberg, 2012.  
Department of Biology, UCLA, 2012.  
Department of Biology, Hawaii Pacific University, 2012.  
Hopkins Marine Station of Stanford University, 2010.

### ***Course organization /Teaching***

Teaching/Organizing workshop "RNA-seq data analysis". Oregon State University 2014.

Lecturing/Group supervisor, courses in Population biology and Evolutionary biology 2014.

Invited teacher at CeMEB marine genomics course 2013.

Teacher/course organizer at CeMEB advanced course “Marine Evolution under Climate Change” 2013 and 2014.

Teacher/course organizer Life Science course “Metagenetic and population genomic data analysis pipelines” 2013-2014.

Invited teacher at “Non-model genomics” workshop, Cornell, 2013.

Invited teacher at CeMEB advanced course “Marine Evolution under Climate Change” 2012.

Teaching PISCO marine population genetics course, Stanford 2011-2012.

Teaching assistant basic biology courses (zoomorphology, invertebrate systematics, comparative neurobiology) 2005-2010.

### ***Student supervision***

Assistant supervisor for Ph.D. student Alexander Ventura (main supervisor Sam Dupont) since February 2014.