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### **Education background**

Postdoctoral fellow (Population Genetics), INRA – Bordeaux, France  
Dr. rer. nat. (Population Genetics), University of Munich, Germany  
M.Sc. (Biology), Chiang Mai University, Thailand  
B.Sc. (Agriculture), Khon Khen University, Thailand

### **Courses taught**

Principle of Genetics  
Laboratory in Genetics  
Conservation Genetics  
Genetics and Evolution  
Population and Quantitative Genetics

### **Research interests**

Molecular population genetics and Evolutionary genetics of malaria vectors

### **Funding/ Grants**

2011-2012 Kasetsart University Research and Development Institute (KURDI)  
**Project title:** Evolutionary genetic studies of immune system genes in Thai malaria vectors (*Anopheles minimus* complex)  
2010-2011 Thailand Research Fund (TRF) and Science Research Fund (ScRF)  
**Project title:** Molecular population genetics of malaria vector common in Thailand

2009-2010 Kasetsart University Research and Development Institute (KURDI)  
**Project title:** Population genetic studies of Malaria vector in Thailand  
inferred from nuclear DNA sequences

### **Selected Publications**

1. Mariette S., M. Tavaud, **U. Arunyawat**, G. Capdeville, M. Millan, F. Salin. 2010. Population structure and genetic bottleneck in sweet cherry estimated with SSRs and the gametophytic self incompatibility locus. **BMC Genetics**. 2010 11:77.
2. Staedler T., **U. Arunyawat**, and W. Stephan. 2008. Population genetics of speciation in two closely related wild tomatoes (*Solanum* section *Lycopersicon*). **Genetics**. 178: 339–350.
3. **Arunyawat U.**, W. Stephan, and T. Staedler. 2007. Using multilocus sequence data to assess population structure, natural selection and linkage disequilibrium in wild tomatoes. **Mol. Biol. Evol.** 24: 2310–2322.

### **International conferences/ workshop**

1. **Arunyawat U.** 2010. Molecular population genetic studies of *Anopheles minimus*, vector of malaria in Thailand. EMBO Global exchange lecture course on “Molecular and Evolutionary Genetics of malaria”. New Delhi, India (Invited talk)
2. **Arunyawat U.** 2010. *Anopheles* mosquitoes: malaria vectors in Southeast Asia. EMBO Global exchange lecture course on “Molecular and Evolutionary Genetics of malaria”. New Delhi, India (Invited talk)
3. **Arunyawat U.** and S. Mariette. 2010. Population structure and linkage disequilibrium in wild and sweet cherry. NFPSE2010, Beijing, China. (Poster presentation)
4. **Arunyawat U.** and S. Mariette. 2010. Linkage disequilibrium in wild and sweet cherry (*Prunus avium* L.), Forest ecology and adaptation. El Escorial- Madrid, Spain (Poster presentation)

5. **Arunyawat U.**, W. Stephan, and T. Staedler. 2008. Population genetic approach to speciation in wild tomatoes. Systematics2008, Goettingen, Germany. (Oral presentation)
6. **Arunyawat U.**, W. Stephan, and T. Staedler. 2007. Population structure and linkage disequilibrium in wild tomatoes. The 20<sup>th</sup> annual conference of the Plant Population Biology, Basel, Switzerland. (Oral presentation)
7. **Arunyawat U.**, W. Stephan, and T. Staedler. 2006. Nucleotide polymorphism and population structure in two closely related wild tomato species. The 10<sup>th</sup> Evolutionary Biology meeting, Marseilles, France. (Oral presentation)
8. **Arunyawat U.**, W. Stephan, and T. Staedler. 2005. Assessing the speciation history of two closely related wild tomatoes (*Solanum peruvianum* and *S. chilense*). The XVII International Botanical Congress, Vienna, Austria. (Poster presentation)