

CURRICULUM VITAE

PERSONAL DETAILS:

Name: Jihad M. Abdallah
Country of Citizenship: Palestine
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EXPERTISE: Statistics and data analysis, Animal breeding and Genetics

EDUCATION:

- **2001: Ph.D.** in Animal Science (Animal Breeding and Statistics). Department of Animal Science, North Carolina State University, Raleigh, NC.
Dissertation: "Studies on Genetic Evaluations of Dairy Bulls"
GPA: 4.00
- **1998: M.S.** in Animal Science (Animal Breeding and Genetics), Department of Animal Science, North Carolina State University, Raleigh, NC, U.S.A.
Thesis: "Genetic Parameters and Genetic Trends in North Carolina Experimental Dairy Herds".
- **1997: D.E.S.S.** (Diploma of Advanced Specialized Studies) in Animal Production in Hot Regions, CIRAD-EMVT, Montpellier, France.
- **1994: B.S.** (first-class honor) in Animal Production and Health, Faculty of Agriculture, An-Najah National University, Nablus, West Bank.

TEACHING AND RESEARCH EXPERIENCE:

- **August 2007-present:** Assistant professor, Department of Animal Production, An-najah

National University, Palestine

- **August, 2008 – August 2012:** Head of the Department of Animal Production, An-najah National University, Palestine.
- **2007** (February- Mars): **Research Engineer** (National Institute of Health and Medical Research, Toulouse, France); **Research area:** Genetic association study for human diseases.
- **July 1, 2004 – June 2006:** research engineer, Laboratory of Cellular Genetics (LGC), INRA, Toulouse, France; **Research areas:** population genetics, detection of selection signatures using marker data
- **November 2001-June 2004:** Postdoctoral research position at the animal breeding unit (SAGA), INRA, Toulouse, France; **Research area:** development of statistical methods for gene mapping.
- **August 2001-October 2001:** Research Associate, Department of Animal Science, North Carolina State University, Raleigh, NC; **Research area:** evaluation of Boer goat crosses in North Carolina.
- **1996-2001:** Teaching and Research Assistant, Department of Animal Science, North Carolina State University, Raleigh, NC.
- **1994-1995:** Teaching Assistant and lab technician, Department of Animal Production, An-Najah National University, Nablus, West Bank.

PROGRAMMING SKILLS:

- **FORTRAN 90/95**
- Development of programs:
 - 1- A FORTRAN program for simulation of phenotypes and marker genotypes in a finite population under genetic drift
 - 2- **QTLTER** (a FORTRAN program for mapping quantitative trait loci using linkage disequilibrium).
 - 3- FORTRAN program for estimation of population demographic parameters with implementation of MCMC methods.

EXPERIENCE IN USING EXISTING SOFTWARE:

- **SAS** statistical package for data analysis
- **SPSS** and **MINITAB** statistical software

- **MTDFREML:** implementation of BLUP for estimation of variance components and prediction of random effects.
- Several programs used in population genetics (e.g. FDIST2, BOTTLENECK, IM, MIGRATE)
- Microsoft Word, Excel and PowerPoint.

SCHOLARSHIPS AND HONORABLE MEMBERSHIPS:

- **1999:** Honorable membership of Phi Kappa Phi (National Honor Society/USA) for academic excellence.
- **1998:** Honorable membership of Gamma Sigma Delta (The Honor Society of Agriculture/USA) for academic excellence.
- **1996:** Fulbright Scholarship from USIA/AMIDEAST (USA).
- **1995:** Scholarship from the French Ministry of Foreign Affairs.

LANGUAGES:

- **Arabic :** Maternal Language
- **English:** Written and Spoken (excellent)
- **French:** Written and Spoken (excellent)
- **Spanish:** Written (good) and Spoken (fair)

PUBLICATIONS:

Book chapters

- Cierco-Ayrolles, C., **J. M. Abdallah**, et al. **2004.** On linkage disequilibrium measures: Methods and applications. *In Recent Research Developments in Genetics and Breeding, Vol. 1- Part I, Ed. Pandalai S.G., Research Signpost, Trivandrum (Kerala, India), pp. 151-180.*

Journal papers

- Moayed Ahmed and **Jihad M. Abdallah. 2013.** Comparison of milk yield and reproductive performance of sheep breeds in the West Bank, Palestine. An-Najah University Journal for research – Natural Sciences, Vol 27,;111-128
- Sabri Saqhir, Jamal Abo Omar, Omar Naser, Ibrahim Ghanamc, and **Jihad Abdallah. 2012.** Performance and carcass characteristics of finishing Black goat kids fed oil supplemented diets. *Animal Feed Science and Technology*, 175(2012):17.

- Rateb Othman, **Jihad Abdallah**, Jamal Abo-Omar **2012**. Prevalence of the red mite (*Dermanyssus gallinae*) in layer flocks in four districts in northern West Bank, Palestine *Open Journal of Animal Sciences*, Vol.2, No.2, 106-109
- Maxime Bonhomme, Claude Chevalet, Bertrand Servin, Simon Boitard, **Jihad Abdallah**, Sarah Blott, and Magali SanCristobal. 2010. Detecting selection in population trees: the Lewontin and Krakauer test extended. **Genetics** **186:241-262**.
- Boitard, S., **J. Abdallah**, H. de Rochambeau, C. Cierco-Ayrolles, and B. Mangin. **2006**. Linkage disequilibrium interval mapping of quantitative trait loci. **BMC Genomics** **7 (54)**.
- **Abdallah J.**, B. Mangin, C. Cierco-Ayrolles, B. Goffinet, H. de Rochambeau, M. Perez-Enciso. **2005**. Outils statistiques et informatiques pour l'analyse du déséquilibre de liaison. **Les Actes du BRG**, 5: 309-320.
- **Abdallah, J. M.**, B. Mangin, B. Goffinet, C. Cierco-Ayrolles, and M. Pérez-Enciso. **2004**. A comparison between methods for linkage disequilibrium fine mapping of quantitative trait loci. **Genet. Res.** **83: 41-47**.
- **Abdallah, J. M.**, B. Goffinet, C. Cierco-Ayrolles, and M. Pérez-Enciso. **2003**. Linkage disequilibrium fine mapping of quantitative trait loci: A simulation study. **Genet. Sel. Evol.** **35: 513-532**.
- **Abdallah, J. M.**, and B. T. McDaniel. **2002**. Heritability of changes in genetic evaluations of dairy bulls from first to later records of daughters. **J. Dairy Sci.** **85: 951-957**.
- **Abdallah, J. M.**, B. T. McDaniel, and M. J. Tabbaa. **2002**. Relationships of productive life evaluations with changes in evaluations for yields. **J. Dairy Sci.** **85: 677-681**.
- **Abdallah, J. M.**, and B. T. McDaniel. **2002**. Prediction of most recent evaluations of Holstein bulls from first available pedigree information. **J. Dairy Sci.** **85: 670-676**.
- **Abdallah, J. M.**, and B. T. McDaniel. **2002**. Proven and young Holstein bulls compared for daughter yields, productive life, somatic cell score, and inbreeding. **J. Dairy Sci.** **85: 665-669**.
- **Abdallah, J. M.**, and B. T. McDaniel. **2000**. Genetic parameters and trends of milk, fat, days open and body weight after calving in North Carolina Experimental Dairy Herds. **J. Dairy Sci.** **83: 1364-1370**.
- **Abdallah, J. M.**, and B. T. McDaniel. **2000**. Genetic change in milk, fat, days open and body

weight after calving based on three methods of sire selection. *J. Dairy Sci.* 83: 1359-1363.

Conference papers

- Bonhomme et al. 2010. Detecting selection in population trees: an extension of the Lewontin and Krakauer test with an application to pig. **9th World Congress on Genetics Applied to Livestock Production, Leipzig, Germany, August 1-6, 2010.**
- **Abdallah, J. M.**, SanCristobal, M., and C. Chevalet. **2006.** Estimation of effective size and migration rates in twelve European pig populations using non equilibrium model. **8th World Congress on Genetics Applied to Livestock Production, Belo Horizonte, MG, Brazil, August 13-18, 2006.**
- S. Boitard*, **J. Abdallah**, H. de Rochambeau, C. Cierco-Ayrolles, B. Mangin. L inkage Disequilibrium interval mapping of quantitative trait loci. **8th World Congress on Genetics Applied to Livestock Production, Belo Horizonte, MG, Brazil, August 13-18, 2006**
- Palhière I., Bibé B., San Cristobal M., **Abdallah J.**, Bed'Hom B., Pantano T., Frégeat G., Une race, quatre rameaux indépendants: quelle diversité génétique après 30 ans? , **12^{ème} Renc. Rech. Rum., Paris, 7-8 December 2005, p300.**

Abstracts:

- Moayed Ahmed and **Jihad M. Abdallah.** Milk Production and Performance for Some Reproductive Traits of Sheep Breeds and Crosses in the West Bank. **International Graduate Conference on Science, Humanities and Engineering May 4-5, 2011, An-najah National University, Nablus, Palestine.**
- Tanjeer, F. and **Jihad M. Abdallah.** Geographic variation in cancer incidence rates and associated risk factors in Northern West Bank, Palestine (2005-2008). **International Graduate Conference on Science, Humanities and Engineering May 4-5, 2011, An-najah National University, Nablus, Palestine.**
- **Abdallah, J. M.**, SanCristobal, M., and C. Chevalet. **2005.** Searching for genomic regions under selection in the European pig populations using microsatellite data. **28^{ème} Réunion du groupe de Biologie et Génétique des Populations, Bordeaux, France, August 29-September 1, 2005, p4.**
- **Abdallah, J. M.**, B. T. McDaniel, and M. J. Tabbaa. 2000. Relationships of PTA productive life of AI Holstein bulls with changes in yield traits from first to second lactation. *J. Dairy Sci.* 83

(Suppl. 1): 62

- **Abdallah, J. M.**, B. T. McDaniel, and J. E. Legates. 1999. Genetic parameters and trends in fat-corrected milk yield, days open and body weight at calving in North Carolina experimental dairy herds. *J. Dairy Sci.* 82 (Suppl. 1): 115.

CONFERENCES AND SCIENTIFIC MEETINGS:

1. The Scientific Conference on Agricultural Research. An-najah University, Nablus, March 25, 2012. (**member of the scientific and preparation committees**)
2. The International Graduate Conference on Science, Humanities and Engineering, An-najah University, Nablus, May 4-5, 2011 (**head of session and member of the scientific committee**).
3. The National Workshop for Launching the Agricultural Strategy in Palestine. Ramallah, March 30, 2010.
4. First Agricultural Conference of the Syndicate of Agricultural Engineers in Palestine, An-najah National University, Nablus, Palestine, December 23, 2009.
5. Graduate Studies Conference : Exploring the future of graduate studies in Palestine, An-najah National University, Nablus, Palestine, July 16, 2009.
6. **Chair of the organizing committee** of the scientific day « Prospects for development of Palestinian poultry industry », An-najah National University, Nablus, Palestine, March 18, 2009.
7. Second Palestinian National Fair Trade Conference. Al-Zababdeh, Palestine, March 16, 2009.
8. Workshop “Intended Learning Outputs”. An-Najah National University, Nablus, March 5, 2009.
9. Workshop “ Development of Scientific Research in Palestine: Future Perspectives”. An-Najah National University, Nablus, January 16, 2008.
10. 28^{ème} Réunion du groupe de Biologie et Génétique des Populations, Bordeaux, France, August, 2005.
11. 7th WCGALP, Montpellier, France, August 2002
12. American Dairy Science Association/American Meat Science Association/American Society

of Animal Science/Poultry Science Association Joint Meeting, Indianapolis, Indiana, July 24-28, 2001.

13. American Society of Animal Science/American Dairy Science Association Joint Meeting, Baltimore, Maryland, July 24-28, 2000.

14. American Dairy Science Association Annual Meeting, Memphis, Tennessee, June 20-23, 1999.

REFERENCES:

- **Munquez Shtaya**, Assistant professor, Dean of Faculty of Agriculture, An-Najah National University, P. O. Box 7, Nablus, Palestine, Tel. (972)-(0)9-2675893, Fax. (972)-(0)9-2675891, email: mshtaya@najah.edu
- **Gene Eisen**, Prof., Director of graduate studies, Department of Animal Science, North Carolina State University, Raleigh, NC 27695-7621. Tel. (919)-515-4017, Fax: (919) 515-7780, e-mail: Gene_Eisen@ncsu.edu.
- **Magali SanCristobal**, Researcher, INRA-LGC, BP 52627, 31326 CASTANET-TOLOSAN, France. Tel. (33) 5 61 28 51 22, Fax: (33)5 61 28 53 08, e-mail: msc@toulouse.inra.fr.