

# Curriculum Vitae

## Personal Information:

Family Name: Saratsis  
First Name: Anastasios  
Gender: male  
Date of Birth: 22<sup>nd</sup> of June 1980  
Place of Birth: Naoussa, Greece  
Nationality: Greek-German  
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## Education:

- **PhD:** 2012 Institute for Parasitology/Department for Pathobiology/Veterinary Medicine University of Vienna, Vienna, Austria/Supervisors: Prof. Dr. Anja Joachim and Dr. Smaragda Sotiraki/Thesis title: "Ovine eimeriosis: epidemiology and control measures"
- **Diplom Biol.:** 2006, Faculty of Biology/University of Würzburg, Würzburg, Germany,  
Main subject: Biochemistry  
Minor subjects: Genetics and Neurobiology/ Behavioral Physiology and Sociobiology.  
Diploma Thesis title: "Characterisation of a possible interaction between HANGOVER and *dunce* in *Drosophila melanogaster*" / Department of Genetics and Neurobiology

## Current Positions:

**October 2017-present:** Veterinary Research Institute/Hellenic Agricultural Organisation Demeter, Thessaloniki (Greece)

**Researcher** with an expertise in Veterinary Epidemiology (focus on Parasitology)

## Previous Positions:

**November 2016-June 2017:** Veterinary Research Institute/Hellenic Agricultural Organisation Demeter, Thessaloniki (Greece)

**Scientific collaborator** within the frame of the project: "Field trial to evaluate the efficacy of EPRINEX against ticks in sheep under on-farm conditions in Greece"/Merial

**February 2016–June 2017:** European University Cyprus, Nicosia (Cyprus)

**Scientific collaborator:** Responsible for the implementation of the undergraduate course "Parasitology" (theory and practicals) during SS2016 (55 hours) and SS2017 (28 hours) / School of Life Sciences/Biological Sciences (General Microbiology)

**February 2015–December 2015** Veterinary Research Institute/Hellenic Agricultural Organisation Demeter, Thessaloniki (Greece) **Postdoctoral Researcher (Principal Investigator)** within the frame of the project: "Strategic survey on ticks and TBDs in sheep on the island of Lesbos/Greece" GIS based sampling and mapping of tick distribution and TBDs in the sheep population of the island by the use of PCR-Reverse line blot/self-sufficient collection of tick/blood samples and subsequent molecular analysis

**November 2014-April 2015** Veterinary Research Institute/Hellenic Agricultural Organisation Demeter, Thessaloniki (Greece).

**Scientific collaborator** within the frame of the projects: 1)"Understanding the coccidian infections in piglets and interactions with the intestine bacteria with possible prophylactic interventions", WP: Epidemiology of coccidiosis in piglets/ development of an *in vitro* *Isospora suis* model

2) "New approach in the treatment of coccidiosis in piglets"/Bayer Animal Health, WP: Efficacy testing of an injectable toltrazuril solution at two different doses (**Co-Investigator**)

**October 2013-April 2014** Veterinary Research Institute/ Hellenic Agricultural Organisation Demeter (former NAGREF), Thessaloniki (Greece)

**Scientific collaborator** within the frame of the FP7 “LowInput Breeds” project.

WP: "Dairy and meat sheep production systems: Sustainable management of parasitic infections in sheep by the use of tannin containing resources"

**December 2007-November 2010** Veterinary Research Institute/ NAGREF, Thessaloniki (Greece)

**Marie Curie Early Stage Researcher** within the Research Training Network "HealthyHay" (FP6) with the title: "The re-invention of sainfoin: a novel resource for sustainable agriculture",

WP: "*in vivo* and *in vitro* antiparasitic properties of sainfoin"

**December 2006-June 2007** University of Wuerzburg/ Faculty of Biology/ Department of Genetics and Neurobiology, Würzburg (Germany)

**Scientific collaborator** within the DFG/ SFB 554 project: "Mechanisms and Evolution of Arthropod Behavior: Brain-Individual-Social Group", WP: "Ethanol induced behaviors in *Drosophila melanogaster*"

### Training (selected activities):

#### ***Veterinary Parasitology***

**12/09/2016–30/09/2016** Working group Vectotiq/Molecular Parasitology and Immunology, UMR BIPAR, INRA, ENVA, ANSES, Maisons Alfort (France)

Research stay: Analysis of different tick species collected in Greece for the presence of 39 different pathogens (bacteria and parasites) by the use of the high throughput BioMark™ real-time PCR system (Fluidigm, USA)

**26/07/2015–13/08/2015 and 05/04/2016-26/04/2016** Utrecht Centre for Tick-borne Diseases (UCTD), FAO Reference Centre for Ticks and Tick-borne Diseases, Faculty of Veterinary Medicine, Utrecht University, Utrecht, The Netherlands

Research stay: Analysis of sheep blood samples and ticks collected in Greece for 45 tick-borne pathogens (parasites and bacteria) by the use of PCR-Reverse line blot

**11/10/2014–12/10/2014** E-SOVE (European Society for Vector Ecology) and EMCA (European Mosquito Control Association), Thessaloniki (Greece)

Training course on Vector Ecology with a focus on ticks (Biology/Ecology of ticks, methods for the collection of ticks, identification/taxonomy of ticks)

**28/07/2014–01/08/2014** The Utrecht Centre for Tick-borne Diseases (UCTD), Utrecht University, Faculty of Veterinary Medicine, Utrecht (Netherlands)

Training course on tick taxonomy with the title: "Identification of Ticks of Medical and Veterinary Importance"

#### ***Epidemiology/Bioinformatics***

**01/09/2014–03/09/2014** Institute of Tropical Medicine, Antwerpen (Belgium)

Training school on Epidemiology (introduction to systematic review, introduction to R, data manipulation in R, meta-analysis in R, introduction to GIS mapping)

**02/12/2012–04/12/2012** BioProbe R&D Laboratories, Thessaloniki (Greece)

Workshop in basic methods of Biostatistics by the use of SPSS

#### ***Laboratory Animal Science/Welfare***

**21/09/2009–02/10/2009** Alexander Fleming "BSRC", Athens (Greece) in collaboration with department of Laboratory Animal Science, Utrecht University (The Netherlands)

Course on “Laboratory Animal Science” (obtained the FELASA recognised certification category C after taking the respective exam)

### ***Management of Research Projects***

**20/03/2009-21/03/2009** Technical University Munich, Freising (Germany)

European Patent Academy seminar on Intellectual Property

**07/11/2007-10/11/2007 and 05/02/2008-08/02/2008** Roland Gareis Consulting, Vienna (Austria)

Workshop on Management of R&D projects (certified Project Management associate-level D recognized by the International Project Management Association after successfully taking the respective exam)

### ***Fellowships/Prizes/Awards:***

**1.Short Term Scientific Mission Grant**/Cost Action TD1303 «European Network for Neglected Vectors and Vector-Borne Infections». Research stay at UMR BIPAR, INRA, ENVA, ANSES, Maisons Alfort, France, 12/09/2016–30/09/2016

**2.Short Term Scientific Mission Grant**/«CAPARA» COST Action FA0805

Research stay and participation at the project «The genetic basis for the selection of goats resistant to gastrointestinal Nematodes» FIBL, Frick, Switzerland, 21/09/2012-27/09/2012

**3.«Domain Food and Agriculture» COST Actions Grant for an oral presentation** at the 14th International Seminar, FAO-CIHEAM Network on Sheep and Goats. Sub-Network on Nutrition, Hammamet, Tunisia, 15/05/2012-18/05/2012

**4.Marie Curie Early Stage Researcher fellowship** (EU-FP6) within the frame of the PhD Thesis TU Vienna and Vet Res Ins of Thessaloniki, 11/2007-11/2010

**5.Undergraduate fellowship** by the Bavarian Ministry of Science, Research and Fine Arts upon recommendation from 3 academics, University of Wuerzburg, WS 2004/2005

### ***Teaching activity:***

**February 2016-present** European University Cyprus, School of Life Sciences, Nicosia (Cyprus)

In charge of the course (theory and practicals) Parasitology. (SS 2016 and SS 2017) for students in the field of Biological Sciences (General Microbiology)

**21/07/2014–25/07/2014** Veterinary Parasitology Unit of the National Institute for Agricultural Research INRA, Toulouse (France)

Trainer at Workshop in Parasitology (Marie Curie Initial Training Network "Legume Plus").

**03/07/2012–06/07/2012** SALUVET Group/ Department of Animal Health/ Faculty of Veterinary Medicine/ Complutense University, Madrid (Spain)

Trainer of the third training school CAPARA (COST Action FA0805: Goat-parasite interaction: from knowledge to Control) with the title: Testing plants for anti-parasitic efficacy.

**August 2002-August 2005** University of Wuerzburg, Faculty of Biology (Germany)

Trainer assistant within the frame of the course Cell- Developmental-Biology and Genetics II for undergraduate students

### ***Publications:***

**1.** HECKENDORN F., BIEBER A., WERNE S., **SARATSIS A.**, MAURER V., STRICKER C., 2017. The genetic basis for the selection of dairy goats with enhanced resistance to gastrointestinal nematodes. *Parasite*. 2017;24:32

**2.** RUPPERT M., FRANZ M., **SARATSIS A.**, VELO ESCARCENA L., HENDRICH O., GOOI LM., SCHWENKERT I., KLEBES A., SCHOLZ H., 2017. Hangover Links Nuclear RNA Signaling to cAMP Regulation via the Phosphodiesterase 4d Ortholog *dunce*. *Cell Rep*. 18(2):533-544

3. PAPA A., KONTANA A., TSIOKA K., **SARATSIS A.**, SOTIRAKI S., 2017. Novel phlebovirus detected in *Haemaphysalis parva* ticks in a Greek island. *Ticks Tick Borne Dis.* 2017 Jan;8(1):157-160
4. **SARATSIS A.**, VOUTZOURAKIS N., THEODOSIOU T., STEFANAKIS A., SOTIRAKI S., 2016. The effect of sainfoin (*Onobrychis viciifolia*) and carob pods (*Ceratonia siliqua*) feeding regimes on the control of lamb coccidiosis. *Parasitol Res.* 115(6), 2233-42.
5. BOSCO A., RINALDI L., CAPPELLI G., **SARATSIS A.**, NISOLI L., CRINGOLI G., 2015. Metaphylactic treatment strategies with toltrazuril and diclazuril and growth performance of buffalo calves exposed to a natural *Eimeria* infection. *Vet Parasitol.* 212(3-4), 408-10.
6. CHALIGIANNIS I., MAILLARD S., BOUKAKER G., SPILIOTIS M., **SARATSIS A.**, GOTTSTEIN B., SOTIRAKI S., 2015. *Echinococcus granulosus* infection dynamics in livestock of Greece. *Acta Trop.* 150, 64-70.
7. KOSTOPOULOU D., CASAERT S., TZANIDAKIS N., VAN DOORN D., DEMELER J., VON SAMSON-HIMMELSTJERNA G., **SARATSIS A.**, VOUTZOURAKIS N., EHSAN A., DOORNAERT T., LOOIJEN M., DE WILDE N., SOTIRAKI S., CLAEREBOUW E., GEURDEN T., 2015. The occurrence and genetic characterization of *Cryptosporidium* and *Giardia* species in foals in Belgium, The Netherlands, Germany and Greece. *Vet Parasitol.* 211 (3-4), 170-4.
8. ARROYO-LOPEZ C., MANOLARAKI F., **SARATSIS A.**, SARATSIS K., STEFANAKIS A., SKAMPARDONIS V., VOUTZOURAKIS N., HOSTE H., SOTIRAKI S., 2014. Anthelmintic effect of carob pods and sainfoin hay when fed to lambs after experimental trickle infections with *Haemonchus contortus* and *Trichostrongylus colubriformis*. *Parasite.* 21, 71.
9. **SARATSIS A.**, KARAGIANNIS I., BROZOS C., KIOSSIS E., TZANIDAKIS N., JOACHIM A., SOTIRAKI S., 2013. Lamb eimeriosis: Applied treatment protocols in dairy sheep production systems. *Vet. Parasitol.* 196 (1-2), 56-63.
10. **SARATSIS A.**, REGOS I., TZANIDAKIS N., VOUTZOURAKIS N., STEFANAKIS A., TREUTER D., JOACHIM A., SOTIRAKI S., 2012. *In vivo* and *in vitro* efficacy of sainfoin (*Onobrychis viciifolia*) against *Eimeria* spp in lambs. *Vet. Parasitol.* 188 (1-2), 1-9.
11. **SARATSIS A.**, JOACHIM A., STEFANAKIS A., SOTIRAKI S., 2011. Lamb coccidiosis dynamics in different dairy production systems. *Vet. Parasitol.* 181 (2-4), 131-8.

### Selected Abstracts in Scientific Conferences & Meetings

1. **SARATSIS A.**, MOUTAILLER S., DEVILLERS E., VAYSSIER-TAUSSAT M., SOTIRAKI S., 2018. Screening of Mediterranean tick species by high-throughput microfluidic real time PCRs reveals a significant diversity of bacterial and parasitic pathogens with co-infections being the norm. 28th Annual Meeting of the German Society for Parasitology, 21-24 March 2018, Berlin, Germany (**poster presentation**)
2. SOTIRAKI S., **SARATSIS A.**, KOSTOPOULOU D., KANTZOURA V., GELASAKIS A., STEFANAKIS A., FILLIPOPOULOS G., LOPEZ RE., HOMER D., 2017. Efficacy of eprinomectin (EPRINEX MULTI) against sarcoptic mange and multi-host ixodid ticks in milking sheep. 26th WAAVP International Conference, 4-8 September 2017, Kuala Lumpur, Malaysia (**poster presentation**)
3. **SARATSIS A.**, AAL F., POLGAR J., LIGDA P., DE VRIES M., MUSSELA, V., RINALDI L., JONGEJAN F., SOTIRAKI S., 2015. Ticks and tick-borne diseases in sheep on the island of Lesbos/Greece. A GIS based approach. 3rd CONFERENCE ON NEGLECTED VECTORS AND VECTOR-BORNE DISEASES (EURNEGVEC). 24-26 May 2016, Zaragoza, Spain (**oral presentation**)
4. **SARATSIS A.**, AAL F., POLGAR J., LIGDA P., DE VRIES M., MUSSELA, V., RINALDI L., JONGEJAN F., SOTIRAKI S., 2015. Ticks and tick-borne diseases in sheep on the island of Lesbos/Greece. A GIS based approach. 16<sup>th</sup> Panhellenic Entomological Congress. 20-23 October 2015, Heraklion, Greece (**poster presentation**)
5. SARATSIS K., VOUTZOURAKIS N., TZANIDAKIS N., **SARATSIS A.**, STEFANAKIS A., HOSTE H., THAMSBORG SM., HADJIGEORGIOU I., SOTIRAKI S., 2015. Effects of carob pod (*Ceratonia siliqua*) meal fed in sheep against gastrointestinal nematodes 25th WAAVP International Conference, Liverpool, Abstract book p. 172 (**oral presentation**)

6. **SARATSI A.**, MALAMA E., LIGDA P., SOTIRAKI S., 2013. Anthelmintic resistance of goat gastrointestinal nematodes in Europe: A retrospective study. 5th COST Action FA0805 WG Meeting; Caprine Parasitology, Berlin, Germany, 02- 04.12.2013 (**poster presentation**)
7. HECKENDORN F., PERLER E., ISENSEE A., AMSLER Z., WERNE S., GROHMAN M., UZUNOGLU F., **SARATSI A.**, MAURER V., STRICKER C., 2013. The genetic basis for the selection of goats resistant to gastrointestinal nematodes 5th COST Action FA0805 WG Meeting; Caprine Parasitology, Berlin, Germany, 2-4 December 2013 (**oral presentation**)
8. **SARATSI A.**, REGOS I., TZANIDAKIS N., VOUTZOURAKIS N., STEFANAKIS A., TREUTER D., JOACHIM A., SOTIRAKI S., 2012. *In vivo* and *in vitro* efficacy of sainfoin against *Eimeria* spp. in lambs. 14th seminar of the FAO-CIHEAM subnetwork on sheep and goat nutrition & 2nd Symposium of Low Input Breeds, Hammamet, Tunisia, 15-18 May 2012. Abstract book pp. S3-O-02 (**oral presentation**)
9. **SARATSI A.**, STEFANAKIS A., JOACHIM A., TZANIDAKIS N., VOUTZOURAKIS N., SOTIRAKI S., 2011. Effect of sainfoin on lamb coccidiosis. 23rd international conference of WAAVP, Buenos Aires, Argentina, 21-25 August 2011, Abstract book pp.239 (**poster presentation**)
10. **SARATSI A.**, JOACHIM A., STEFANAKIS A., SOTIRAKI S., 2010. Population dynamics of ovine coccidia in lambs reared und different management conditions in Greece. 61st annual meeting of the European Association for Animal Production, Heraklion, Greece, Abstract book No. 16 (2010), pp. 199 (**oral presentation**)
11. **SARATSI A.**, VOLANIS M., JOACHIM A., STEFANAKIS A., SOTIRAKI S., 2009. *In vivo* anti-coccidial efficacy of sainfoin against *Eimeria* species in lambs. 22nd international conference of WAAVP, Calgary, Canada, August 8-13 (2009), Abstract book pp. 106 (**oral presentation**)

### Popular science brochures/articles

1. SARATSI A., SOTIRAKI S., 2015. Strategic survey on vector-borne diseases on the island of Lesbos: Importance and control measures (**brochure/technical guide relating to ticks in Greek**)
2. SARATSI A., SOTIRAKI., 2015. Coccidiosis in small ruminants. An invisible threat. Demeter journal, 10,16-18 (**article in Greek**)
3. SARATSI A., SOTIRAKI S., CHALIGIANNIS E., 2014. Emerging and resurging vector-borne diseases. The new threat for human and animal health. 2014. Demeter journal, 8, 4-5 (**article in Greek**)
4. SARATSI A., SOTIRAKI S., STEAFANAKIS A., VOLANIS M., 2010. The role of tannin rich plants in the sustainable protection of small ruminants against gastrointestinal parasitism. Ethiage journal, 42, 14-17 (**article in Greek**)

### Peer reviewer for the following journals

1. Journal of Parasitology and Vector Biology
2. Small Ruminant Research
3. African Journal of Microbiology Research
4. Acta Parasitologica
5. Revista Brasileira de Parasitologia Veterinaria
6. Animal Science and Biotechnology
7. Applied and Experimental Acarology
8. Journal of Veterinary Medicine and Animal Health