

CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	SAGONAS
NAME	KONSTANTINOS
E-MAIL	ksagonas@bio.auth.gr
TEL.	+30-2310998717

CURRENT POSITION	
01.2022 – present	Assistant Professor on Terrestrial Zoology Department of Zoology, School of Biology, Faculty of Sciences, Aristotle University of Thessaloniki, University Campus, 54124

PREVIOUS POSITION(S)	
07.2021 – 12.2021	Research Associate Faculty of Biology and Aquaculture, Nord University, Norway
08.2019 – 07.2021	Postdoctoral Fellow Faculty of Biology and Aquaculture, Nord University, Norway
06.2018 – 08.2019	Postdoctoral Fellow Department of Biology, University of Crete, Greece
06.2016 – 05.2018	Marie Curie Postdoctoral Fellow Queen Mary University of London, UK
12.2014 – 12.2015	Post-doctoral researcher Department of Biology, University of Crete, Greece

EDUCATION	
2009 –2014	Faculty of Biology, National and Kapodistrian University of Athens (NKUA), Greece. Thesis Title: “Phylogeny and physiological adaptations of the genus <i>Lacerta sensu lato</i> in Greece”, PhD
2003 –2009	Faculty of Biology, NKUA, Greece, Undergraduate Thesis Title: “Understanding the link between reproductive biology and interspecific competition”, Biology Diploma

RESEARCH FUNDING	
2023 – 2024	H.F.R.I.-NECCA – Actions to protect, conserve and promote biodiversity; 10,000€
2022 – 2024	PRASINO TAMEIO – “Research and Implementation”; 200,000€
2022 – 2023	FBA, Nord University and RCN – “Pilot studies: Ground-breaking research”; 6,000€
2021 – 2022	FBA, Nord University and RCN – “Pilot studies: Ground-breaking research”; 6,000€
2020 – 2024	H.F.R.I. – “2 nd Call for Postdoctoral Researchers”; 180,000€
2019 - 2021	FBA, Nord University, Norway; 105,000€
2018 – 2019	EDBM34 Call; 62,651€
2016 – 2018	MARIE SKŁODOWSKA-CURIE IF, EU; 192,000€
2012 – 2013	ROYAL SWEDISH ACADEMY OF SCIENCES, Sweden; 75,000€
2011 – 2012	Helge Ax:son Johnsons Foundation, Sweden; 7,000€

SELECTED PUBLICATIONS

https://scholar.google.com/citations?hl=en&user=Aao8nbcAAAAJ&view_op=list_works&sortby=pubdate

1. **Sagonas K.**, Meiri S., Valakos E. D., Pafilis P., **2013**. The effect of body size on the thermoregulation of lizards on hot, dry Mediterranean islands. *Journal of Thermal Biology* 38: 92-97
2. Pafilis P., Anastasiou I., **Sagonas K.**, Valakos E. D., **2013**. Grazing by goats on islands affects the populations of an endemic Mediterranean lizard. *Journal of Zoology* 290: 255-264
3. **Sagonas K.**, Valakos E. D., Pafilis P., **2013**. The impact of insularity on the thermoregulation of a Mediterranean lizard. *Journal of Thermal Biology* 38: 480-486
4. **Sagonas K.**, Poulakakis N., Lymberakis P., Parmakelis A., Pafilis P., Valakos E. D., **2014**. Molecular systematics and historical biogeography of the green lizards (*Lacerta*) in Greece: Insights from mitochondrial and nuclear DNA. *Molecular Phylogenetics and Evolution* 76: 144-154
5. **Sagonas K.**, E. Svensson., **2015**. Ecological explanations to island gigantism: dietary niche divergence, predation, and size in an endemic lizard. *Ecology* 96(8): 2077-2092
6. **Sagonas K.**, Rota I. A., Pafilis P., Tsitsilonis O. E., Valakos E. D., **2016**. Infection risk dictates variable immune responses in a Mediterranean lizard. *Journal of Evolutionary Biology* 29(9):1680-1688
7. Itescu Y., Schwarz R., Donihue C., Slavenko I. A., Roussos S. A., **Sagonas K.**, Valakos E. D., Foufopoulos J., Pafilis P., and Meiri S., **2018**. Divergent patterns of body size evolution in co-occurring island reptiles. *Global Ecology and Biogeography* 27(5): 538-550
8. **Sagonas K.**, Runemark, A., Antoniou, A., Lymberakis, P., Pafilis, P., Valakos, E.D., Poulakakis N., Hansson B., **2019**. Selection, drift, and introgression shape MHC polymorphism in lizards. *Heredity* 122: 468-484
9. Rey O., Eizaguirre C., Angers B., Baltazar-Soares M., **Sagonas K.**, Prunier J., Blanchet. S., **2020**. Linking epigenetics and biological conservation: Toward a conservation epigenetics perspective. *Functional Ecology*, 34: 414-427
10. **Sagonas K.**, Karameta E., Kotsakiozi P., Poulakakis N., **2020**. Cross-species testing of nuclear markers in Pelophylax water frogs in Greece and examination of their power to detect genetic admixture. *Amphibia-Reptilia* 41: 253-259
11. **Sagonas K.**, Meyer B., Kaufmann J., Lenz L.T., Häsler R., Eizaguirre. C., **2021**. Experimental parasite infection causes genome-wide changes in DNA methylation. *Molecular Biology and Evolution*, 37(8): 2287-2299
12. Thorburn D.M.J. **Sagonas K.**, Lenz T.L., Chain F.J.J, Feulner P.G.D, Bornberg-Bauer E., Reusch T.B.H, Milinski M., Eizaguirre C. (2022). Systematic genome scans reveal common population-specific signals of balancing selection. DOI: 10.21203/rs.3.rs-1092984/v2

CONFERENCES/WORKSHOPS/SEMINARS

- Kapsanaki V., **Sagonas K.** and P. Pafilis. Learning and cognitive abilities of the Skyros wall lizard (*Podarcis gaigeae*). 10th Pan-Hellenic Conference of Ecology, 4-7/10 **2023**, Patra, Greece.
- Pafilis P., Adamopoulou C., Antonopoulos A., Deimezis-Tsikoutas A., Christopoulos A. and **K. Sagonas**. Among the Aegean islands... Deviations in the thermoregulatory strategy of the Milos lizard (*Podarcis milensis*). 10th Pan-Hellenic Conference of Ecology, 4-7/10 **2023**, Patra, Greece.
- Reppa A., Agori A.F., Santikou P., Parmakelis A., Pafilis P., Valakos E.D. and **K. Sagonas**. Small island effects on the thermal biology of the endemic Skyros wall lizard *Podarcis gaigeae*. 10th Pan-Hellenic Conference of Ecology, 4-7/10 **2023**, Patra, Greece.
- Thanou E., Adamopoulou C., Christopoulos A., Deimezis-Tsikoutas A., Katsiyiannis P., Kornilios, P., Panagiotopoulos A., **Sagonas K.** and P. Pafilis. Exploring the Aegean secrets: genetic diversity, ecology and conservation status of the Milos wall-lizard. 10th Pan-Hellenic Conference of Ecology, 4-7/10 **2023**, Patra, Greece.
- Papageorgiou K., Tounias G., Santikou P., Valakos E.D. and **K. Sagonas**. Study of digestive adaptations in *Podarcis gaigeae*. 42th Pan-Hellenic Conference of HSBS 18-20/05 **2023**, Thessaloniki, Greece.
- Oselotos A.I. and **K. Sagonas**. Ecomorphological variation of Skyros' wall lizard *Podarcis gaigeae*. 42th Pan-Hellenic Conference of HSBS 18-20/05 **2023**, Thessaloniki, Greece.

- Siozios K., Sotiropoulos K., Pafilis P. and **K. Sagonas**. Comparative study of behavioral adaptations in populations of *Podarcis gaigeae* from Skyros. 42th Pan-Hellenic Conference of HSBS 18-20/05 **2023**, Thessaloniki, Greece.
- Agori A.P., Santikou P., Reppa A., Pafilis P., Valakos E.D. and **K. Sagonas**. Habitat heterogeneity affects the thermal ecology of the Skyros wall lizard *Podarcis gaigeae*. 42th Pan-Hellenic Conference of HSBS 18-20/05 **2023**, Thessaloniki, Greece.
- Shankregowda A.M., **Sagonas K.**, Bal T.M.P., Häsler R., Shama L., Fernandes J.M.O. J.A.M. Raeymaekers. Contribution of epigenetic variation to local adaptation in two coexisting and phylogenetically related species. Norwegian Biodiversity & Genomics Conference (NBG), 08-10/02 **2023**, Oslo, Norway.
- Morfesis K., Pafilis P., Valakos E.D. and **K. Sagonas**. Major histocompatibility complex (MHC) variation and parasitism in lizard populations. 21st European Congress of Herpetology (SEH), 05-09/09 **2022**, Belgrade, Serbia.
- Bal T.M.P., **Sagonas K.** and J.A.M. Raeymaekers. Whole-genome resequencing of two stickleback species for the study of adaptive divergence in sympatric species: approaches and strategies. 10th International Conference on Stickleback Behaviour and Evolution, 23-29/07 **2022**, Holár, Iceland.
- Shankregowda A.M., **Sagonas K.**, Bal T.M.P., Häsler R., Shama L., Fernandes J.M.O. and J.A.M. Raeymaekers. Contribution of epigenetic variation to local adaptation in two coexisting and phylogenetically related species. 10th International Conference on Stickleback Behaviour and Evolution, 23-29/07 **2022**, Holár, Iceland.
- Milec L.J.M., Wagner C., De Keyser E., Kmentová N., **Sagonas K.**, Vanhove M.P.M., Varadharajan S., Yadav B.S. and J.A.M. Raeymaekers. Comparative genomics of two freshwater herring species of Lake Tanganyika. 8th Annual NORBIS Conference, 24-28/10 **2021**, Rosendal, Norway.
- Shankregowda A.M., **Sagonas K.**, Bal T.M.P., Häsler R., Shama L., Fernandes J.M.O. and J.A.M. Raeymaekers. Contribution of epigenetic variation to local adaptation in two coexisting and phylogenetically related species. 8th Annual NORBIS Conference, 24-28/10 **2021**, Rosendal, Norway.
- Balard A., **Sagonas K.**, Kaufmann J., Lenz T.L. and C. Eizaguirre. Transgenerational immune priming in three-spined sticklebacks. British Ecological Society Annual meeting, 12-15/12 **2021**, Liverpool, UK.
- **Sagonas K.**, Bal T.M.P., Milec L.J.M., J.A.M. Raeymaekers. Understanding the contribution of DNA methylation variation to local adaptation. Causes and Consequences of Transgenerational Inheritance, MPI for Evolutionary Biology, 6-8/11 **2019**, Ploen, Germany.
- Thorburn D.M.J., **Sagonas K.**, Milinski M., Big Screen Consortium and C. Eizaguirre. Parallel and non-parallel evolution maintain genome-wide polymorphism in three-spined stickleback populations 25th European Meeting for PhD Students in Evolutionary Biology EMPSEB, 26/5-1/6 **2019**, Pedrógão Pequeno, Portugal.
- **Sagonas K.**, Meyer B., Lenz T., Kaufmann J. and C. Eizaguirre. Experimental parasite infection affects DNA methylation in sticklebacks. II Joint Congress on Evolutionary Biology, 19-22/08 **2018**, Montpellier, France.
- Winter School on Whole Genome Sequence Assembly and Annotation, 04-09/02 **2018**, Monte Verita, Switzerland.
- **Sagonas K.**, Runemark A., Antoniou A., Lymberakis P., Pafilis P., Valakos E.D., Poulakakis N. and B. Hansson. Natural selection and stochastic forces shape MHC class I polymorphism of lacertid lizard species. 19th European Congress of Herpetology (SHE), 18-23/09 **2017**, Salzburg, Austria.
- **Sagonas K.**, Meyer B., Kaufmann J., Häsler R., Lenz T. and C. Eizaguirre. Determining the inheritance of paternal effects on offspring pathogen resistance in sticklebacks. 16th European Society for Evolutionary Biology, 20-25/08 **2017**, Groningen, Netherlands.
- Workshop on Genomics, 08-22/01 **2017**, Cesky Krumlov, Czech Republic.
- Pafilis P., **Sagonas K.**, Kapsalas G., Maragou P. and E. D. Valakos. Microhabitat shapes the thermal biology of four sympatric lizards. 9th International Symposium on the Lacertids of the Mediterranean Basin, 20-23/06 **2016**, Limassol, Cyprus.
- Pafilis P., **Sagonas K.**, Kapsalas G., Fofopopoulos J. and E. D. Valakos. Sex does not affect tail autotomy performance in Mediterranean lizards. 9th International Symposium on the Lacertids of the Mediterranean Basin, 20-23/06 **2016**, Limassol, Cyprus.

- Zontos P., **Sagonas K.**, Lymberakis P. and N. Poulakakis. Molecular phylogeny and phylogeography of *Hellenolacerta graeca* in south continental Greece: insights from mitochondrial and nuclear DNA data. 9th International Symposium on the Lacertids of the Mediterranean Basin, 20-23/06 **2016**, Limassol, Cyprus.
- **Sagonas K.**, Pafilis P., Lymberakis P. and E. D. Valakos. Sexual maturation and life history of the Balkan green lizards *Lacerta trilineata*. 9th International Symposium on the Lacertids of the Mediterranean Basin, 20-23/06 **2016**, Limassol, Cyprus.
- Web-based seminar. Introduction to Bioconductor: Annotation and Analysis of Genomes and Genomic Assays, 01-31/05 **2016**, HarvardX, XSeries Program Course, USA
- Kotsakiozi P., Antoniou A., Karameta E., Psonis N., **Sagonas K.**, Lymberakis P., Pavlidis P., Stamatakis A. and N. Poulakakis. Phylogeography of the *Mediodactylus kotschy* (Reptilia: Gekkonidae) in the Eastern Mediterranean region using ddRAD-tag genomic data. 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7-11/10 **2015**, Crete, Greece.
- Psonis N., Karameta E., Antoniou A., Kotsakiozi P., **Sagonas K.**, Lymberakis P., Pavlidis P., Stamatakis A. and N. Poulakakis. Molecular Phylogeny of the Balkan *Podarcis* (Sauria, Lacertidae) using ddRAD-tag genomic data. 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7-11/10 **2015**, Crete, Greece.
- Lymberakis P., Valakos E. D., **Sagonas K.** and P. Pafilis. The first ecological data for *Podarcis levendis*, one of the rarest lizards in Europe. 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7-11/10 **2015**, Crete, Greece.
- Moschona A., Polydouri I., Voutsela A., Dagonaki A., Bletsas A., Karambotsi N., **Sagonas K.**, Pafilis P. and E.D. Valakos. Tail regeneration induces changes in the digestive efficiency of lizards. 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7-11/10 **2015**, Crete, Greece.
- Workshop in Computational Statistics in Python, 15-19/06 **2015**, Crete, Greece.
- **Sagonas K.**, Pafilis P., Lymberakis P., Poulakakis N. and E. D. Valakos. The effects of insularity in the biology of *Lacerta trilineata* (Sauria: Lacertidae). 7th Pan-Hellenic Conference of Ecology, 9-12/10 **2014**, Lesvos, Greece.
- Voutsela A., Dagkonaki A., Bletsas A., Karambotsi N., **Sagonas K.**, Pafilis P., E. D. Valakos. Effects of tail regeneration on digestive performance in lizards of the genus *Podarcis*. 7th Pan-Hellenic Conference of Ecology, 9-12/10 **2014**, Lesvos, Greece.
- Pafilis P., Karameta E., **Sagonas K.**, Fountoulas J., E. D. Valakos. The effects of dry-stone walls in insular lizard populations. 7th Pan-Hellenic Conference of Ecology, 9-12/10 **2014**, Lesvos, Greece.
- Dagkonaki A., Mayrothalassiti I., **Sagonas K.**, E. D. Valakos. Comparative study of the learning abilities of two lizard species of the family Lacertidae. 36th Pan-Hellenic Conference of HSBS, 8-10/05 **2014**, Ioannina, Greece.
- Mitsi-Lizan V., Karameta E., **Sagonas K.**, Valakos E.D., Sfenthourakis S. and P. Pafilis. Habitat effect on the digestive efficiency of a Mediterranean lizard. 17th European Congress of Herpetology (SEH), 22-27/08 **2013**, Veszprem, Hungary.
- **Sagonas K.**, Poulakakis N., Lymberakis P., Parmakelis A., Pafilis P. and E.D. Valakos. Phylogenetic relationships and phylogeography of the genus *Lacerta* in Greece. 17th European Congress of Herpetology (SEH), 22-27/08 **2013**, Veszprem, Hungary.
- Web-based lectures in Coursera. Computational Methods for Data Analysis, 01/01-31/05 **2013**, University of Washington, USA
- **Sagonas K.**, Pafilis P., Lymberakis P., Donihue C.M., Herrel A. and E.D. Valakos. Relationships between head morphology, bite force and diet in island and mainland populations of the Balkan green lizard (*Lacerta trilineata*) from Greece. 8th International Symposium on the Lacertids of the Mediterranean Basin, 3-6/06 **2013** Koper, Slovenia.
- Mavrothalassiti I., **Sagonas K.** and E.D. Valakos. Behavioral study of the cognitive abilities of the lizard species *Lacerta trilineata*. 35th Pan-Hellenic Conference of HSBS, 23-25/05 **2013**, Nafplio, Greece.
- Pafilis P., Anastasiou I., **Sagonas K.** and E.D. Valakos. The effect of grazing on islet lizard populations at the Archipelagos of Skyros. 6th Pan-Hellenic Conference of Ecology, 4-7/10 **2012**, Athens, Greece.

▪ Kourelou E., Meiri S., Sagonas K. , E.D. Valakos and P. Pafilis. The effect of gigantism on the digestive efficiency at the lizard of Skyros. 6th Pan-Hellenic Conference of Ecology, 4-7/10 2012 , Athens, Greece.
▪ Workshop for Next-Generation Sequencing technologies and Informatics tools for studying Biodiversity and Adaptation, 01-04/10 2012 , Crete, Greece.
▪ Workshop on Geometric Morphometrics and Phylogeny, 04-07/09 2012 , Sabadell, Spain.
▪ Runemark A., Sagonas K., Brydegaard M., and E. Svensson. Predation release and selection for bite force drive phenotypic divergence in island lizards. 14th Congress of the International Society for Behavioral Ecology, 12-18/08 2012 , Lund, Sweden.
▪ Workshop on 3D Geometric Morphometrics 17-20/07 2012 , Sabadell, Spain.
▪ Karambotsi N., Sagonas K. , Pafilis P. and Valakos E.D. Tail regeneration induces changes in the digestive efficiency of a Mediterranean lizard. 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 18-22/06 2012 , Athens, Greece.
▪ Karambotsi N., Sagonas K. , Pafilis P. and E.D. Valakos. The effect of regeneration in digestive performance in the species <i>Podarcis erhardii</i> . 34th Pan-Hellenic Conference of HSBS 17-19/05 2012 , Trikala, Greece.
▪ Rota I, Sagonas K. , Ioannou K., Verouli M., Pafilis P., Tsitsilonis O. and E.D. Valakos. Experimental methodology approach for studies of the immune systems on lizards. 34th Pan-Hellenic Conference of HSBS 17-19/05 2012 , Trikala, Greece.
▪ Introductory course to the basic principles of Coalescent theory and Applications, 20-24/02 2012 , Crete, Greece
▪ Introduction to MATLAB, 06-10/02 2012 , University of Athens, Athens, Greece.
▪ Pafilis P., Sagonas K. and E.D. Valakos. The impact of grazing on lizard populations from East Mediterranean islets. 16th European Congress of Herpetology (SEH) and 47th Deutsche Gesellschaft für Herpetologie und Terrarienkunde, 25-29/09 2011 , Luxemburg.
▪ Web-based Seminar. Learn R In-Depth, 01/06-31/08 2011 , US Geological Survey, USA.
▪ Giannakopoulou E., Xirogiannopoulou P., Sagonas K. , Pafilis P. and E.D. Valakos. Predation impact on the performance of antipredatory mechanisms in lizards. 33th Pan-Hellenic Conference of HSBS, 19-21/05 2011 , Edessa, Greece.
▪ Sagonas K. , Pafilis P. and E.D. Valakos. Does body size affect thermal biology? The case of an endemic lizard in Skyros Archipelago (East Mediterranean, Greece). THERMADAPT Science Meeting, 28-30/04 2011 , Tartu, Estonia.
▪ Sagonas K. , Poulakakis N., Lymberakis P., Mylonas M. and E.D. Valakos. Green lizards of Greece – Phylogeny and distribution. 5th Pan-Hellenic Conference of Ecology, 7-10/10 2010 , Patra, Greece.
▪ Pafilis P., Sagonas K. , Valakos E.D. How grazing affects population of lizards on islet. 5th Pan Hellenic Conference of Ecology 7-10/10 2010 , Patra, Greece.
▪ Velona T., Sagonas K. , Fragopoulou A.F., Valakos E.D. and L.H. Margaritis. Determination of corticosterone levels and study of the tail regeneration rate in reptiles of the species <i>Podarcis gaigeae</i> after exposure to wireless phone base station. 32th Pan-Hellenic Conference of HSBS, 20-22/05 2010 , Karpenisi, Greece.
▪ Sagonas K. , Kotsakiozi P., Pafilis P. and E.D. Valakos. Effect of temperature in digestive enzymes' activity in species of the genus <i>Podarcis</i> . 31st Pan-Hellenic Conference of HSBS, 14-16/05 2009 , Patra, Greece.
▪ EMBO Practical course: Computational Molecular Evolution, 03-12/05 2010 , Crete, Greece.
▪ Sagonas K. , Terzopoulou S., Spagopoulou F., Stalimerou M., Anastasiou J., Foufopoulos J., Pafilis P. and E.D. Valakos. The relation between reproductive characteristic and the size of the lizards' juveniles. The case of the genus <i>Podarcis</i> in the Aegean archipelagos. 4th Pan-Hellenic Conference of Ecology, 9-12/10 2008 , Volos, Greece.
▪ Pafilis P., Sagonas K. , Runemark A., Svensson E. and E.D. Valakos. Reproductive advantages of gigantism and how intraspecific competition could be involved. 6th International Symposium on the Lacertids of the Mediterranean Basin, 23-27/06 2008 , Lesvos, Greece.
▪ Sagonas K. , Terzopoulou S., Spagopoulou F., Stalimerou M., Anastasiou J., Pafilis P. and E.D. Valakos. Differentiation at the age of the sexual maturity in lizards belonging to genus <i>Podarcis</i> from central Aegean. 30th Pan-Hellenic Conference of HSBS, 22-24/05 2008 , Thessaloniki, Greece.

MEMBERSHIPS & REVIEWING ACTIVITIES	
2009 – present	I have served as a Reviewer for 40 research articles for >25 different journals including <i>Molecular Phylogenetics and Evolution</i> , <i>Evolution</i> , <i>Biological Conservation</i> , <i>Diversity</i> , <i>Journal of Biogeography</i> , <i>Molecular Ecology</i>
2022 – present	Molecular Biodiversity Greece Community (MBGC) - Member
2019 – present	Hellenic Evolutionary Society (HEVOS) – Member
2016 – present	European Society for Evolutionary Biology (ESEB) – Member
2012 – present	European Herpetological Society (SEH) – Member
2011 – present	Hellenic Zoological Society (HZS) – Member
2011 – present	Hellenic Ecological Society (HES) – Member
2009 – present	Hellenic Herpetological Society (ELERPE) – Member