

Curriculum Vitae

Dušan Palić, D.V.M., MVSc., Ph.D., CertAqV, Dipl. ECAAH

Chair of Fish Diseases and Fisheries Biology
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Faculty of Veterinary Medicine
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Date of Birth: April 10th 1973, Belgrade, Serbia
Spouse: Jelena Palić (Ostojić), D.V.M., Ph.D.
DACVP, DACVM
Children: 4
Citizenship: U.S. Citizen, Serbian National, German
Permanent Resident
Languages: English (full professional proficiency)
German (basic), Russian (advanced),
Serbian (Mother tongue)

Education:

Institution	Year	Degree	Field
Iowa State University	2005.	Ph.D. (with honors)	Immunobiology and Fisheries Biology
Belgrade University	2002.	MVSc	Veterinary Microbiology and Preventive Medicine (Immunology focus)
Belgrade University	1997.	D.V.M.	Veterinary Medicine
European College of Aquatic Animal Health	2015.	Founding Diplomate	European Veterinary Specialist in Aquatic Animal Veterinary Medicine

Professional Experience:

- 2012-present **University Professor and Chair (W3/Lehrstuhlinhaber) of Fish Diseases and Fisheries Biology** (*primo loco*), The Faculty of Veterinary Medicine, Ludwig-Maximilians-Universität München, Germany. **Director**, LMU Center of Excellence for Aquatic Animal Veterinary Medicine, Biosecurity and Education; **Executive Director**, International Aquatic Veterinary Biosecurity Consortium
- 2007-2012 **Assistant Professor**, Department of Biomedical Sciences, The College of Veterinary Medicine, Iowa State University, Ames, Iowa, U.S.A.
- 2005-2012 **Adjunct Assistant Professor and Veterinary Specialist, Aquatic Animal Medicine**. Center for Food Security and Public Health, Departments of Veterinary Microbiology and Preventive Medicine, and Natural Resource Ecology and Management, Iowa State University.
- 2001-2005 **Instructor**, Lecturer, Teaching and Research Assistant, Iowa State University
- 1997-2001 **Head of Biology Laboratory**, Petnica Science Center.
- 1992-1997 **Leader of Ichthyology group**, Petnica Science Center.

Current Research (Leading role in third party projects with total funding of >USD 3.5 mil. since 2005):

- **Palić D (Principal Investigator)**, Steinbauer P, and Wedekind H. "Minimizing Antibiotic Resistance in Bavarian Aquaculture with use of Autogenous Vaccines (MABVAC)". "Minimierung des Antibiotika-Einsatzes in der bayerischen Aquakultur durch den Einsatz von autogener Vakzine (MABVAC)". EUR 562,498. Research Program, Bavarian Ministry for Food Agriculture and Forestry (StMELF). 01.11.2020 to 31.10.2023.
- **Palić D (PI)** "Effects of Activated Minazel+ on Fish Health". EUR 67,830. Service project, Patent Co. 07-2016 to 12-2021.
- **Palić D (PI)**, Exchange program LMU-Chulalongkorn University EUR 15,000 (total for 5 exchange visits). Aquatic Veterinary Medicine and Biosecurity in ASEAN countries. Erasmus+ Staff Mobility Agreement for Training and Teaching KA103 + KA107 2016-2021

Teaching Experience:

Ludwig-Maximilians-University Munich courses and role:

- 2012 to present Fish Diseases course, **Instructor-in-charge**
- 2016 to present Research in Aquatic Animal Medicine course, **Instructor-in-charge**
- 2017 to present Practical Aquatic Veterinary Medicine course, **Instructor-in-charge**
- 2018 to present Pathology and Histopathology of Economically Important Fish Species and Their Diseases, **Instructor-in-Charge** (co-taught with Prof. Dr. Ferenc Baska, Uni Vet Med Budapest, Hungary)

Iowa State University courses and role:

- 2008, 2012, 2014, 2016, 2018 Bio 394 Marine Biology of the Caribbean, **Co-instructor**.
- 2003-2012 AECl/BMS 401 Introduction to Aquatic Animal Medicine, **Instructor-in-charge**.
- 2008-2012 BMS 330 Principles of Morphology 1 (Gross Anatomy of Dog and Cat) **Co-instructor**.
- 2008-2012 TOX 501 Principles of Toxicology; TOX 502 Toxicology Methods, **Lecturer** Aquatic Toxicology.
- 2007-2011 Bio 353 Introduction to Parasitology, **Lecturer** on aquatic animal arthropod parasites.
- 2006-2012 VPTH 679 Histopathology of Laboratory Animals, **Lecturer** on Fish Physiology and Pathology.
- 2005-2007 Iowa State University Honors Program, HON321Q Concepts of Ecosystem Health. **Instructor**.
- 2001-2005 **Lecturer and Teaching Assistant**: AECl/Vet Med 401 Introductory Aquatic Animal Health and Medicine; Zool 510 Histology and Pathology of Fish Diseases; VCS/VDPAM 340X Clinical Foundation I; Zool 311 Introduction to Parasitology; Zool 156 Human Anatomy and Physiology Laboratory; AECl 211 Careers in Animal Ecology.

Other teaching experience:

- 2020-present One Health study program and instructor in-charge for selected courses, University of Zadar, Croatia.
- 2009-present Organizer and facilitator of aquatic veterinary biosecurity workshops (for producers, government officials, and practicing veterinary and paraveterinary workforce; international).
- 2012-present WAVMA CEPD (webinar series, distance learning) committee member and presenter
- 2008-2012 Member of Interdepartmental Immunobiology Program, Iowa State University
- 2007-2012 Member of Interdepartmental Toxicology Program, Iowa State University
- 2004-2012 Mentor for professional (veterinary) students in Merck-Merial Summer Scholar research program, The College of Veterinary Medicine, ISU (6 students)
- 2001-present Mentor for undergraduate/veterinary research assistants (ISU, 23 students; LMU 10 students)
- 1992-2002 Invited lecturer in Petnica Science Center (PSC) educational programs
- 1992-2001 Mentor for ichthyology and hydroecology student's projects in PSC (40+ students)

Recent peer reviewed publications:

1. Ahmadvand, S., **Palić, D.** and Weidmann M. (2021). Molecular Epidemiology of Novirhabdoviruses Emerging in Iranian Trout Farms. *Viruses* 2021, 13 (3), 448. doi:10.3390/v13030448
2. Sattang, S., Amornlerdpison, D., Tongsiri, S., **Palić, D.** and Mengumphan, K. (2021). Effect of freshwater fish oil feed supplementation on the reproductive condition and production parameters of hybrid catfish (*Pangasius larnaudii* x *Pangasianodon hypophthalmus*, Sauvage, 1878) broodstock. *Aquaculture Reports* 20, doi: 10.1016/j.aqrep.2021.100598
3. Hu, M., and **Palić, D.** (2020). Micro- and Nano-Plastics Activation of Oxidative and Inflammatory Adverse Outcome Pathways. *Redox Biology* 2020, doi: 10.1016/j.redox.2020.101620.
4. Šarić, T., Župan, I., Aceto, S., Villari, G., **Palić, D.**, De Vico, G., and Carella F. (2020). Epidemiology of Noble Pen Shell (*Pinna nobilis* L. 1758) Mass Mortality Events in Adriatic Sea is characterized with Rapid Spreading and Acute Disease Progression. *Pathogens* 2020, 9, 776; doi:10.3390/pathogens9100776
5. Hu, M., and **Palić, D.** (2020). Role of MicroRNAs in Regulation of DNA damage in Monocytes Exposed to Polystyrene and TiO₂ nanoparticles. *Toxicology Reports* 7, 743-751. doi: 10.1016/j.toxrep.2020.05.007
6. Zahran, E., Risha, E., Hamed, M., Ibrahim, T. and **Palić, D.** (2020). Dietary Mycotoxicosis Prevention with Modified Zeolite (Clinoptilolite) Feed Additive in Nile tilapia (*Oreochromis niloticus*). *Aquaculture* 515, 734562. doi: 10.1016/j.aquaculture.2019.734562.
7. Hu, M., Jovanovic, B. and **Palić, D.** (2019). *In silico* prediction of MicroRNA role in regulation of Zebrafish (*Danio rerio*) responses to nanoparticle exposure. *Toxicology in Vitro* 60, 187-202.
8. Iatridou, D., Pohl, L., De Briyne, N., **Palić, D.**, Saunders, JH., and Bravo, A. (2018). Mapping the teaching of aquatic animal veterinary medicine in the European Union and European Free Trade Area Veterinary Record Open 5: e000309. doi: 10.1136/vetreco-2018-000309.
9. Zahran, E., Risha, E., Awadin, W., and **Palić, D.** (2018). Acute Exposure to Chlorpyrifos Induces Reversible Changes in Health Parameters of Nile Tilapia (*Oreochromis niloticus*). *Aquatic Toxicology* 197, 47-59.
10. Bin Majeed, B.M., Saleh, M., Menanteau-Ledouble, S., **Palić, D.** and El-Matbouli, M. (2018) Dissemination, Identification and Treatment of *Aphanomyces Invadans*, the Causative Agent of Epizootic Ulcerative Syndrome in Fish. *Wiener Tierärztliche Monatsschrift – Veterinary Medicine Austria* 105, 63-71.

11. Greven, AC., Merk, T., Karagoz, F., Mohr, K., Klapper, M., Jovanovic, B., and **Palić, D.** (2016). Polycarbonate and Polystyrene Nanoparticles Act as Stressors to the Innate Immune System of Fathead Minnow (*Pimephales promelas*). *Environmental Toxicology and Chemistry* 35, 3093-3100. *ET&C Top 10 Exceptional Papers List for 2016.
12. Topić Popović, N., Strunjak-Perović, I., Barišić, J., Kepec, S., Jadan, M., Beer-Ljubić, B., Matijatko, V., **Palić, D.**, Klobučar, G., Babić, S., Gajdoš Kljusurić, J., Čož-Rakovac, R. (2016). Native Prussian Carp (*Carassius gibelio*) Health Status, Biochemical and Histological Responses to Treated Wastewaters, *Environmental Pollution* 218, 689-701. *Winner of the IBR Best Paper Award 2017.
13. **Palić, D.**, Scarfe A. D., and Walster, C. I. (2015). A Standardized Approach for Meeting National and International Aquaculture Biosecurity Requirements for Preventing, Controlling, and Eradicating Infectious Diseases. *J of Applied Aquaculture* 27(3) 185-219.
14. Jovanović, B., Whitley, E., Kimura, K., Crumpton, A. and **Palić, D.** (2015). Titanium Dioxide Nanoparticles Enhance Mortality of Fish Exposed to Bacterial Pathogens. *Environmental Pollution* 203, 153-164.

Graduate student mentoring (nine PhD/Doctoral and four Master of Science students since 2010):

Name	Role	Degree (year)	Major(s) or Field
Worrayanee Thammatorn, DVM	Major Professor	Dr. med. Vet. (2024)	Veterinary One Health and Food Safety
Manuel Künzel, Tierarzt	Major Professor	Dr. med. Vet. (2024)	Aquatic Veterinary Medicine
Wanvisa Hussein	Co-Major Professor with Dr Jiraporn Rojtinnakorn	M.S. (2021)	Aquatic Toxicology
Nemanja Todorović, DVM	Co-Major Professor with Dr Zoran Marković	Dr. Sci. (2022)	Aquaculture and Fish Health
Moyan Hu, MSc	Major Professor	Dr. rer. biol. vet. (2019)	Nanotoxicology
Joseph Magala, DVM	External Mentor	Mr. Vet. Sci (2018)	Veterinary Preventive Medicine
Phicanont Chiyansuyvata, DVM	External Committee Member	Mr. Vet. Sci. (2017)	Aquatic Veterinary Medicine
Teresa M. Merk, Tierarzt	Major Professor	Dr. med. Vet. (2016)	Aquatic Veterinary Medicine
Anne-Catherine Graeven, Tierarzt	Major Professor	Dr. med. Vet. (2016)	Aquatic Veterinary Medicine
Colleen E. Hogan	Committee member	M.S. (2012)	Toxicology and Neuroscience
Rachel M. Tell, DVM	Co-Major Professor with Dr James A. Roth	Ph.D. (2012)	Immunobiology
Boris Jovanović, MScEq	Co-Major Professor with Dr Clay L. Pierce	Ph.D. (2011)	Toxicology and Fisheries Biology
Phongsakorn Chuammitri, DVM	Co-Major Professor with Dr Claire B. Andreasen	Ph.D. (2010)	Veterinary Microbiology

Recent contributed abstracts and invited lectures (* denotes presenting author):

1. **D. Palić*** (2021). Non-point Pollution of Waterways: Bridging the gap with GIS tools and Ecosystem Responses. Plenary talk (Online Presentation). The 1st International Conference on Science Technology and Innovation, Maejo University, Chiang Mai, Thailand 19.03.2021.
2. von La Roche D*, Bawidamann P, and **Palić D.** (2021). Developing an AI-based, Low-cost Surveillance System for Experimental Fish Keeping. The 1st International Conference on Science Technology and Innovation, Maejo University, Chiang Mai, Thailand 19.03.2021.
3. Aksentijević K*, Ašanin J, and **Palić, D.** (2021). Emergence of Antimicrobial Resistance in Aquatic Ecosystems – Veterinary and Human Medicine Translational Concerns. The 1st International Conference on Science Technology and Innovation, Maejo University, Chiang Mai, Thailand 19.03.2021.

4. Milić DN*, **Palić D**, Cokanović V, and Petrović, N. (2021). Automatic Life-support System for Aquariums at Fish Diseases and Fisheries Biology Laboratory at LMU. The 1st International Conference on Science Technology and Innovation, Maejo University, Chiang Mai, Thailand 19.03.2021.
5. **D. Palić*** (2020). Aquaculture Biosecurity Principles as Pathway to Disease Control and Prevention. Plenary Talk (Online Presentation). 4th ICFAR 2020, Tehran, Iran 18-20.11.2020.
6. **D. Palić*** (2020). Healthy Fish for Healthy People: role of Aquaculture in Achieving Global Goals. Plenary Lecture, VII Workshop Animal Science Doctoral Programme / EUGLOH Project. ICBAS University of Porto, 18.09.2020.
7. **D. Palić*** (2020). Aquatic Veterinary Biosecurity. Iranian Ornamental Fish Society Webinar Series (live stream on 23 and 25.08.2020).
8. **D. Palić*** (2020). Aquatic Veterinary Medicine – Healthy Fish for Healthy People. Global Seafood Insights Series #21 recorded on 20.08.2020. Available at: <https://gis2020.navus.io/presentation/49077>
9. Todorović N*, Vasiljević M, Zahran E, and **Palić D.** (2019). Preventing Mycotoxin Effects on Health Status of Nile Tilapia (*Oreochromis Niloticus*) with Modified Zeolite (Clinoptilolite) Feed Additive. Aquaculture Europe 2019. Berlin, Germany 7-10.10.2019.
10. **D. Palić*** (2019). Pathway to Disease Prevention, Control and Eradication using Principles of Aquatic Veterinary Biosecurity. Keynote speaker. Proceedings of 3rd International Congress on Fisheries and Aquatic Research, Istanbul, Turkey 28-30 August 2019.
11. Todorović N*, Chiyansuvata P, Chansue N, Keschumras N, Vasiljević M. and **Palić D.** (2019). Modified Zeolite (Clinoptilolite, Minazel Plus[®]) as Feed Additive In Shrimp Aquaculture. Proceedings of 3rd International Congress on Fisheries and Aquatic Research, Istanbul, Turkey 28-30 August 2019.
12. George D, Ramakrishnan S, Kurian A, Zahran E, **Palić D**, Elumalai P* (2019). Effects of Modified Clinoptilolite (Minazel Plus[®]) feed additive on the immune response of Nile Tilapia (*Oreochromis niloticus*). Proceedings of 3rd International Congress on Fisheries and Aquatic Research, Istanbul, Turkey 28-30 August 2019
13. **D. Palić*** (2019). Aquatic Animal Diseases and Biosecurity. Ocean Economy and Future Technology Conference, Oman Convention and Exhibition Centre, Muscat, Oman, 11-13 February 2019.
14. **D. Palić*** (2018). Identifying Disease Hazards and Determining Risks and Impacts of Disease on an Aquaculture Operation. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Hotel and Conference Center, St. Kitts, West Indies.
15. **D. Palić*** (2018). Aquatic Board Certification in Europe. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Hotel and Conference Center, St. Kitts, West Indies.
16. **D. Palić*** (2018). Auditing, Assuring and Certifying Disease Freedom. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Hotel and Conference Center, St. Kitts, West Indies.
17. Miller-Morgan T*, Scarfe AD, **D. Palić**, Wong HKH, Taylor GD, and St. Hilaire S (2018). Defining the Practice of Aquatic Veterinary Medicine – A Unique Approach for Establishing Day-1 Competencies. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Hotel and Conference Center, St. Kitts, West Indies.
18. Scarfe AD*, Miller-Morgan T, **D. Palić**, Wong HKH, Taylor GD, Reed A, and St. Hilaire S (2018). Existing and Future Global Aquatic Veterinary Education, Training and Competency Recognition. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Hotel and Conference Center, St. Kitts, West Indies.
19. **D. Palić*** (2018). Identification and Determination of Disease Hazards, Risks, and Impacts on an Aquaculture Operation. 8th Water and Fish Conference, Belgrade, Serbia 13-15 June 2018.
20. **D. Palić*** (2018). Auditing and Certifying Disease Freedom of Aquaculture Operations. 8th Water and Fish Conference, Belgrade, Serbia 13-15 June 2018.
21. **D. Palić*** (2018). Fish need medicines too: Veterinary Medicine Products in Aquatic Animal Health and Welfare. Meeting of the SCAR Collaborative Working Group on Animal Health & Welfare Research. Thessaloniki, 17-18 April 2018
22. **D. Palić*** (2017). Diagnostics and Treatment of Common Ornamental Fish Diseases. Turkish Small Animal Veterinary Association 12th Congress, Istanbul, Turkey 3-5.11.2017.

23. **D. Palić*** (2017). Aquatic Animals in your Veterinary Practice – Yes, You Can! Turkish Small Animal Veterinary Association 12th Congress, Istanbul, Turkey 3-5.11.2017.
24. **D. Palić*** (2017). Sustainable Solutions for Global Food Security. Wageningen University & Research Invited Lecture 27.10.2017.
25. **D. Palić*** (2017). Clinical Evaluation of Fish – Common Clinical Signs of Fish Diseases. 42nd World Small Animal Veterinary Association Congress and FECAVA 23rd Eurocongress, Copenhagen, Denmark 25-28.09.2017.
26. **D. Palić*** (2017). Use of Pre/Probiotics and Immunomodulators to Prevent Diseases and Reduce Antimicrobial Use. 42nd World Small Animal Veterinary Association Congress and FECAVA 23rd Eurocongress, Copenhagen, Denmark 25-28.09.2017.
27. L. Urdes, CI Walster and **D. Palić*** (2017). Pain in Fish – Do Fish Feel Pain? 42nd World Small Animal Veterinary Association Congress and FECAVA 23rd Eurocongress, Copenhagen, Denmark 25-28.09.2017.
28. **D. Palić**, K. Aksentijević*, and M. Vasiljević (2017) Production Parameters in Common Carp (*Cyprinus Carpio*) During Dietary Application of Modified Zeolite (Clinoptilolite) Mycotoxin Absorber. Aquaculture Europe 2017. Dubrovnik, Croatia 17-20.10.2017.
29. **D. Palić*** (2017). Identifying Disease Hazards and Determining Risks and Impacts of Disease on an Aquaculture Operation. World Aquaculture 2017, Cape Town, South Africa 27-30.06.2017.
30. **D. Palić*** and AD Scarfe (2017). Auditing, Assuring and Certifying Disease Freedom. World Aquaculture 2017, Cape Town, South Africa 27-30.06.2017.
31. **D. Palić***, P. Chiyansuvata, N. Chansue, N. Keschumras, A. El Sebaey, E.Z. El Naggat, M. Vasiljević (2017). Effects of Modified Zeolite (Clinoptilolite) Used as Feed Additive on Production Parameters in Shrimp and Fish Aquaculture. World Aquaculture 2017, Cape Town, South Africa 27-30.06.2017.

Selected Completed Research Support:

- Scarfe AD (PI), **Palić D (co-PI)**, Miller-Morgan TJ and Wong HK. “Evaluating core (Day-1) knowledge, skills and experience required to practice aquatic veterinary medicine, and determining what educational opportunities exist in veterinary curricular, in the Americas, Europe, Africa and Asia-Pacific.” USD 5,000. The Council on International Veterinary Medicine Education, Association of American Veterinary Medical Colleges. 05-2017 to 05-2020.
- Miller-Morgan TJ (PI), **Palić D (co-PI)**, Scarfe AD and Wong HK. “Evaluation of Essential Knowledge, Skills and Experience Required for Veterinarians Practicing Aquatic Medicine”. USD 20,000. Oregon Sea Grant. 08-2017 to 12-2019.
- **Palić D (PI, German side)**, Preetham EP. Toxicity Mechanisms of Metal-oxide Nanoparticles in Fish. EUR 9,650. DFG Collaboration Initiation Grant PA 2787 3-1. 2018.
- **Palić D (PI, German side)**, El-Naggat EZ. Toxicity of Chlorpyrifos in Fish. EUR 5,060. DAAD PPP Egypt Projekt-ID 57189816 2015-2017
- **Palić D (PI)** “*Role of Nano-Titanium Dioxide Immunotoxicity in Infectious Disease Pathogenesis*”. Marie Curie Career Integration Grant Program, EUR 100,000. 09-2013 to 08-2017.
- **Palić D (PI)** Start-up funds, Ludwig-Maximilian-University Munich (2012-2017).
- Kimura K (PI), Roth JA, **Palić D (co-PI)**., “*Investigation of G-CSF (INAD#: 11-714) Effect on Neutrophil Function in Periparturient Dairy Cows*”. Elanco Animal Health, (05/2012 to 05/2013), \$133,416.
- **Palić D (PI)**, Roth JA, Kimura K., “*Immunomodulatory screening of yeast compounds produced by KitoZyme (Phase II: rapid in vivo screening of the selected compounds using effects of dietary application on neutrophil function in stressed and non-stressed fish)*”, 05/2011 to 04/2012, KitoZyme, \$95,448.
- **Palić D (PI)**, Rowe EW, Kimura K, Roth JA, Noxon J, May E, Madson D., “*Effects of VetMune101 on immune response, safety, and welfare of dogs*”. VetRx Direct and Institute for Physical Research and Technology Company Assistance Program of Iowa State University, 02/2011 to 04/2012, \$106,382.
- Lamont SJ (PI), **Palić D (co-PI)**, et al. “Support of unique genetic resources of specialized lines of chickens at ISU”. Center for Integrated Animal Genomics, 01/2012 to 12/2012, \$6,000.
- 2011 **Palić D (PI)**, Roth JA, Kimura K., “*Immunomodulatory effects of glucan compounds produced by KitoZyme (Phase I: screening of provided compounds in vitro)*”, 01/2011 to 12/2011, KitoZyme, \$52,383.
- 2011 **Palić D (PI)**, Roth JA, Kimura K., “*Investigation of G-CSF (INAD#: 11-714) Effect on Neutrophil Function in Calves*”. Elanco Animal Health, (01/2011 to 12/2011), \$50,646.

- 2009-2010 Kimura K (PI), **Palić D (Co-Principal Investigator)**, Roth JA. "Effects of Green Tea Extract on the Bovine Neutrophils and Potential for Supplement Treatment of Mastitis". Healthy Livestock Initiative Competitive Grants Program, The College of Veterinary Medicine, Iowa State University, \$15,000.
- 2009-2010 **Palić D (Principal Investigator)**, Rowe EW. "Effects of Nanoparticles on the Interface of the Nervous and Immune System". Iowa Center for Advanced Neurotoxicology, \$15,000.
- 2007-2010 Lamont SJ (PI), **Palić D (Co-PI)**, Andreasen CB. "Functional Genomics and Cellular Immunity to Salmonella", United States Department of Agriculture, National Research Initiative, Animal Genome 43.0, \$472,346 (Responsible for studies of cellular immunity).
- 2008-2010 Dvorak G. (PI), **Palić D. (Co-PI)** et al. "Viral Hemorrhagic Septicemia". North Central Region Aquaculture Center, U.S. Department of Agriculture, Cooperative State Research, Education and Extension Service, \$197,960. (Overseeing development of VHS response package and biosecurity presentations).
- 2009-2010 Lamont SJ (PI), **Palić D. (Co-PI)**. "Support of unique genetic resources of specialized lines of chickens at ISU". Center for Integrated Animal Genomics, \$7,680.
- 2007-2009 Bickett-Weddle D (PI), **Palić D. (Co-PI)**, Roth JA. "The National Veterinary Accreditation Program: Internet Modules", USDA Animal and Plant Health Inspection Service, \$290,000 (Overseeing development of three aquaculture modules, out of seven modules total).
- 2007-2008 Beck LS (PI), **Palić D. (Co-PI)**, et al. "Fishing' for Cytokines and Immune Molecules to Better Understand Pallid Sturgeon Scaphirhynchus albus Health", Western Area Power Administration, \$28,250 (Responsible for study of immune molecules).
- 2006-2008 Roth JA (PI), **Palić D. (Co-PI)**, Andreasen CB. "Tulathromycin Loading and Localization in Bovine Neutrophils and Influence on Neutrophil Function", Pfizer Animal Health, \$238,825 (Responsible for developing and writing proposal text /70%/ , managing funds /75%/ , conducting research /80%/).
- 2006-2007 Beck LS (PI), **Palić D. (Co-PI)**, et al. "Preliminary study of Immunological and Hematological Factors for Assessment of Stress and Iridovirus Impacts on Pallid Sturgeon Health", Western Area Power Administration, \$23,896 (Responsible for study of immunological factors).
- 2005-2007 Roth JA (PI), Andreasen CB, **Palić D. (Co-PI)**. "Immunomodulatory screening of yeast compounds produced by Diamond V, Diamond V Mills, Inc., Cedar Rapids, IA, and Institute for Physical Research and Technology Company Assistance, The Center for Advanced Technology Development, Iowa State University, \$85,792 (Responsible for developing and writing proposal text /85%/ , managing funds /100%/ , conducting research /100%/).
- 2006 **Palić D. (PI)**. "Methodology Transfer and Optimization of Neutrophil Functional Assays for Use in Fish Species Important to Norwegian Aquaculture", American-Scandinavian Foundation, \$4,000.
- 2006 **Palić D. (PI)**. "Enhancing Collaboration and Transfer of Research Methodology with Norwegian National Veterinary Institute and Norwegian School of Veterinary Science", Council on International Programs, Iowa State University, \$4,708.
- 2006 **Palić D. (PI)**. "Leukocytes of Coral Reef Fish at the Island of Roatan", Center for Food Security and Public Health, Tuition Reimbursement Grant, Honors Faculty Development Grant, Iowa State University \$2,886.
- 2002-2006 Roth JA (PI), Bruce MW, Clay LP, **Palić D (Co-PI)**. "An Integrated Immunological-GIS Approach for Bio-monitoring of Ecological Impacts of Swine Manure Pollutants in Streams", National Institute for Water Resources research grant program 104b. Project # 2002IA25G. \$135,326
- 2001-2002 **Palić D. (PI)**. "Evaluation of Pathomorphological Effects of Swine Manure on Fish". Iowa State University Graduate Student Senate Professional Advancement Grant program - research grant. \$300
- 1998-2000 **Palić D. (PI)**. "Usage of CCD Camera in Detecting Behavioral Patterns in Fish Schooling During Changes in Environmental Conditions". Supported by Petnica Science Center (\$2000)
- 1997-2001 **Palić D. (PI)**. "Ecological Research of Aquatic Ecosystems in River Jablanica - Succession Model of Artificial Lake". Supported in part by Petnica Science Center (\$10,000). (Served as PI and administrative head for 11 co-PI's, responsible for ichthyology/fisheries portion of the project /100%/).
- 1997-1999 **Palić D. (PI)**. "Influence of Natural Zeolite on Microflora in Aquarium Environment". Supported by Petnica Science Center (\$3,000).
- 1995-1996 **Palić D. (Coordinator of ichthyological research)** for project "Multidisciplinary Research of Ecosystems in Sombor Region". Supported by Geographical Research Society of Yugoslavia (\$15,000). (Responsible for ichthyological research /100%/).

- 1990-1995 **Palić D. (Research assistant)** in "*Hydroecological Research of Upper and Middle Stream of River Kolubara Region*". Supported by Ministry of Environment of Republic of Serbia, Ministry of Science and Technology of Republic of Serbia, Petnica Science Center and Belgrade University.

Service to University, State, Federal, and International Institutions:

- 2021-present Expert Member of the Partnership for Animal Health and Welfare Working Group 3 Farm Management
- 2021-present Member of Specific Working Group on Aquaculture, World Veterinary Association Project for the development of essential medicines lists for food-producing animals
- 2021 External Committee Member for Position of Aquaculture Health
- 2020 Director at large (Europe), World Aquatic Veterinary Medicine Association Executive Board member
- 2020-21 Organizing/Scientific committee member for international conference IABS-EMAV Autogenous Vaccines: Quality of production and movement in a common market. September 2021 Munich, Germany
- 2019-present. Member of Antimicrobial Resistance Work Group (ARE-VET) of the Bavarian Health and Food Safety Authority (LGL)
- 2019 Committee member for W2 Professorship search, LMU Munich Faculty of Veterinary Medicine
- 2018 External Committee Member for Promotion and Tenure, University of Thessaly, Faculty of Veterinary Medicine, Karditsa, Greece.
- 2017-2019 FAO Senior Aquatic Animal Health Expert, FAOSA Riyadh, Kingdom of Saudi Arabia.
- 2015-2019 Member of FishMedPlus Coalition of Federation of Veterinarians of Europe and European Medicine Agency
- 2015 Chair of Communication Working Group of World Veterinary Association (WVA)
- 2014-present Member of Veterinary Biologicals Committee, International Alliance for Biologicals Standardization
- 2014-present Executive Board Member (Vice-President 2014-2020, Treasurer, 2020-present) and Representative to EBVS Board for European College of Aquatic Animal Health (ECAAH)
- 2011-2013 President, President Elect and Past President, World Aquatic Veterinary Medicine Association
- 2011 Co-chair of the Executive board, 2nd International Veterinary Aquaculture Biosecurity Conference and Workshop, August 14-17, 2011, Trondheim, Norway
- 2010-2012 Member of the Immunobiology Interdepartmental Graduate Program Supervisory Committee, Iowa State University, Ames, Iowa
- 2010-2018 Member of John L. Pitts Veterinary Student/Recent Graduate Scholarship Committee
- 2010 Member of search committee for U.S. Department of Agriculture position 24VS-2010-0156
- 2009-2010 Member of the American Fisheries Society Fish Health Section Committee for selection of the best paper in the Journal of Aquatic Animal Health
- 2008/09 Member of the Executive board and Technical organization committee for International Aquaculture Biosecurity Conference, Trondheim, Norway 17-18 August 2009.
- 2007-2010 Treasurer and Member of the World Aquatic Veterinary Medicine Association Executive board
- 2007-present Member of the Center for Food Security and Public Health Supervisory Committee, Iowa State University College of Veterinary Medicine, Ames, Iowa
- 2007-2009 Member of the Water Quality Criteria Review Technical Advisory Committee, Iowa Department of Natural Resources, Des Moines, IA
- 2006-present Expert assistance in Fish Immunology and Ecosystem Health for U.S. Fish and Wildlife Service, Bozeman Fish Technology Center, Bozeman, MT.
- 2006 Session Chair: "Cod diseases". 5th International Symposium on Aquatic Animal Health, September 2-5, San Francisco, CA.
- 2004-2005 Member of search committee for Chair of the Department of Natural Resource Ecology & Management, Iowa State University
- 2004 Member of search committee for faculty position of Fish Environmental Physiologist, Department of Natural Resource Ecology & Management, Iowa State University
- 2004 Member of Working Group on Healthy Fish Habitats: Creating Benchmarks for Success, 134th American Fisheries Society Meeting, Madison, WI.
- 2003 Member of Iowa State University – Immunobiology program seminar series organization committee (Comparative Immunology), Iowa State University

Consulting Services:

- FAO-UN Senior Aquatic Animal Health Expert, Programme UTF/SAU/036/SAU.
- CEENQA Expert Evaluator for Accreditation of Institutions of Higher Education.
- ASIIN Expert Evaluator for Accreditation of Educational Programs.
- NAT Serbia Expert Evaluator for Higher Education Institutional Accreditation.
- Consulting Expert, Design of Biosafety Level 3 Aquaculture Facility, United States Department of Agriculture Animal and Plant Health Inspection Service, Ames, IA.
- Consulting Expert, Feasibility Study project proposal "Implementación de un Laboratorio de Bioseguridad para el Estudio de las Enfermedades de Especies Hidrobiológicas en Chile". Concepción, Chile.
- Consulting Expert, Site Suitability Preliminary Engineering Report project proposal for New Iowa DNR Coolwater/Warmwater Fish Hatchery in Central Iowa.

Recognitions and Awards:

- 2016 Exceptional Paper Award, Society of Environmental Toxicology and Chemistry
- 2013 Distinguished Fellow of World Aquatic Veterinary Medical Association
- 2013 Certified Aquatic Veterinarian (World Aquatic Veterinary Medical Association certificate)
- 2010 Best Poster Award, Society for Environmental Toxicology and Chemistry 31st Annual Meeting, November 7-12, Portland, Oregon.
- 2010 Ronald E. McNair Postbaccalaureate Achievement Program Faculty Mentor of the Year
- 2005, 2007 Honors Faculty Professional Development Grant, Iowa State University
- 2005 Iowa State University Research Excellence Award
- 2004 Carl Rise Teaching Fellowship, Iowa State University
- 2004 Best Poster Award, American College of Veterinary Pathologists Annual Meeting, November 13-17, 2004. Orlando, Florida.
- 2006 Best Poster Award, GIS days at Iowa State University, Ames, Iowa.
- 2005 Best Poster Award, Student American Veterinary Medical Association Symposium, College Station, TX
- 2001-2002 Premium for Academic Excellence (PACE) award, Iowa State University
- 2002-2005 Professional Advancement Grant – Travel grant, Iowa State University (once each year)
- 2006 10th International Congress of Developmental and Comparative Immunology Travel Award, ISDCI.
- 1997-2001 Scholarship of the Ministry of Science and Technology, Republic of Serbia
- 1993-1997 Scholarship of the Foundation for Development of Youth in Sciences and Arts, Ministry of Education, Republic of Serbia
- 1992-1993 Scholarship for Academic Excellence of the Belgrade University

Continuous education:

- **Certified Aquatic Veterinarian (CertAqV, 2013)**, World Aquatic Veterinary Medical Association
- **Preparing Future Faculty Scholar** 2004. Iowa State University
- **Aquavet® II**, 2002. Comparative Pathology of Aquatic Animals, School of Veterinary Medicine, Cornell University and College of Veterinary Medicine Pennsylvania State University, Woods Hole, MA
- Grant Writers' Seminars & Workshops, LLC, workshop (one out of selected 20 participants from Iowa State University). January – October 2010.
- Marine Biology of the Caribbean, 2006. Roatan Institute for Marine Sciences, Honduras.
- Viral Hemorrhagic Septicemia, 2007. Annual Meeting of American Fisheries Society, Fish Health Section, Jackson Lake Lodge, Grand Teton National Park, WY.
- Viral Hemorrhagic Septicemia Virus Symposium, 2007. Wisconsin Veterinary Diagnostic Laboratory, Madison, WI
- Current Topics in Aquatic Toxicology, 2005 Annual Meeting of American Fisheries Society, Fish Health Section, Minneapolis, MN.
- Fish vaccinology 2003, 3 week visit to Norwegian Veterinary Institute, Oslo, Norway
- Open Water Diver SCUBA diver certification, PADI, 2008.
- Web based tools for fisheries and natural resources in Iowa, 2005, Iowa chapter of American Fisheries Society and Iowa State University, Ames, IA
- Introduction to ArcGIS/View software, 2003. Iowa State University, Ames, IA.
- National Science Foundation Day at ISU (NSF grant proposal writing workshop), 2004, Iowa State University

Membership in Professional Societies (current):

- European College of Aquatic Animal Health, Founding Diplomate, Vice President (2014-20), Treasurer (2020-td)
- World Aquatic Veterinary Medical Association, Founding member, President (2012), Treasurer ('07-'10)
- American Veterinary Medical Association (2007-present)
- American Fisheries Society (also Fish Health Section, 2002-present)
- European Association of Fish Pathologists (also German Chapter, 2012-present)
- International Society for Developmental and Comparative Immunology (2004-2011)
- Fish Veterinary Society, U.K. (full member, 2005-2011)
- International Association for Biologicals (2002-present)
- Iowa Academy of Science (2002-2012)
- Phi Zeta, Gamma Chapter (Veterinary Honor Society, elected member 2004)
- Gamma Sigma Delta, Beta chapter (elected member, 2004)

Peer review and other expert activities:

- Ad Hoc reviewer for over 50 different ISI listed journals with over 300 manuscripts since 2005
- UEFISCDI Project reviewer (The Executive Agency for Higher Education, Research, Development and Innovation Funding, Bucharest, Romania) for over 40 proposals in different calls since 2014
- Ministry(ies) of Education, Science and Technology, Republic of Serbia, and Science Fund, Expert Reviewer for over 20 proposals in different calls in 2008, 2010, and 2020
- THALIS (Ministry of Education, Republic of Greece) Expert reviewer for over 20 proposals in different calls since 2010.
- BMBF (German Federal Ministry for Learning and Research) Expert reviewer for proposals since 2019.
- Court Appointed Expert in multiple cases since 2017.

Manuscripts in review and in preparation:

1. Merk, T. M. and **Palić, D.** (in preparation, Bulletin of the European Association of Fish Pathologists). Effects of Antiparasitic Treatment for Argulosis on Innate Immune System of a Cyprinid Fish (Fathead Minnow; *Pimephales promelas*, Rafinesque 1820).
2. Chuammitri, P., Redmond, S. B., Kimura, K., Wang, C., Andreasen, C. B., Lamont, S. J., and **Palić, D.** (in preparation for Veterinary Immunology and Immunopathology). Effect of Genetic Background and Immunomodulators on Heterophil Function and Resistance of Chickens to Challenge with *Salmonella enterica* Serovar Enteritidis.
3. **Palić, D.**, and Palić, J. (in preparation for Journal of Fish Diseases). Leukocytes of Coral Reef Fish in the South-Western Caribbean.
4. **Palić, D.**, and Palić, J., (in preparation for Fish and Shellfish Immunology). Cytochemical and Functional Characterization of Bluegill (*Lepomis macrochirus*) Neutrophils.
5. **Palić, D.**, Beck, L. S., and Palić, J. (in preparation for Journal of Aquatic Animal Health). Effects of Acute Stress on Leukocyte Hematology and Heterophil Function in Pallid Sturgeon (*Scaphirhynchus albus*).

Peer reviewed publications (before 2015):

13. Jovanović, B., Whitley, E., and **Palić, D.** (2014). Histopathology of Fathead Minnow exposed to Hydroxylated Fullerenes. *Nanotoxicology* 8, 755-763.
14. Tell, R.M., Kimura, K., and **Palić, D.** (2012). Rac2 Expression and Its Role in Neutrophil Functions of Zebrafish (*Danio rerio*). *Fish and Shellfish Immunology* 33(5), 1086-1094.
15. Jovanović, B., and **Palić, D.** (2012). Immunotoxicology of Non-functionalized Engineered Nanoparticles in Aquatic Organisms with Special Emphasis on Fish - Review of Current Knowledge, Gap Identification, and Call for Further Research. *Aquatic Toxicology* 118-119, 141-151. DOI: 10.1016/j.aquatox.2012.04.005
16. Jovanović, B., Baran, E., Goetz, F. W., and **Palić, D.** (2011). Effects of Different Lipopolysaccharide Preparations on Neutrophil Function in the Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). *Journal of Fish Diseases* 34, 877-880.
17. Jovanović, B., Ji, T., and **Palić, D.** (2011). Gene Expression of Zebrafish Embryos Exposed to Titanium Dioxide Nanoparticles and Hydroxylated Fullerenes. *Ecotoxicology and Environmental Safety* 74(6), 1518-1525.
18. Jovanović, B., Mihaljev, Ž., Maletin, S., and **Palić, D.** (2011). Assessment of Heavy Metal Load in Chub Liver (Cyprinidae, *Leuciscus cephalus*, L. 1758) from the Nišava River (Serbia). *Biologica Nyssana* 2(1), 51-58.

19. Chuammitri, P., Redmond, S. B., Kimura, K., Andreasen, C. B., Lamont, S. J., and **Palić, D.** (2011). Heterophil Functional Responses to Dietary Immunomodulators Vary in Genetically Distinct Chicken Lines. *Veterinary Immunology and Immunopathology* 142, 219-227.
20. Redmond, S. B., Chuammitri, P., Andreasen C. B., **Palić, D.**, and Lamont, S. J. (2011). Genetic Control of Chicken Heterophil Function in Advanced Intercross Lines: Associations with Novel and with Known *Salmonella* Resistance Loci and a Likely Mechanism for Cell Death in Extracellular Trap Production. *Immunogenetics* 63, 449-458.
21. Jovanović B., Anastasova, L. Rowe W. E., Zhang, Y., Clapp A. R., and **Palić, D.** (2011). Effects of Nanosized Titanium Dioxide on Innate Immune System of Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). *Ecotoxicology and Environmental Safety* 74, 675-683.
22. Jovanović B., Goetz, F. W., Goetz G. W., and **Palić, D.** (2011). Different Immunological Stimuli Can Change Gene Expression and Neutrophil Function in Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). *Journal of Fish Biology* 78, 1054-1072.
23. Kumar, S., Ciraci, C., Redmond S. B., Chuammitri, P., Andreasen, C. B., **Palić, D.**, and Lamont S. J. (2011). Immune Response Gene Expression in Splens of Diverse Chicken Lines Fed Dietary Immunomodulators. *Poultry Science* 90, 1009-1013.
24. Redmond, S. B., Chuammitri, P., Andreasen, C. B., **Palić, D.**, and Lamont, S. J. (2011). Proportion of Circulating Chicken Heterophils and CXCL2 Expression in Response to *Salmonella Enteritidis* are Affected by Genetic Line and Immune Modulating Diet. *Veterinary Immunology and Immunopathology* 140, 323-328.
25. **Palić, D.**, Beck, L. S., Palić, J., and Andreasen C. B. (2011). Use of Rapid Cytochemical Staining to Characterize Fish Blood Leukocytes in Species of Special Concern and Determine Potential for Neutrophil Functional Testing. *Fish and Shellfish Immunology* 30, 646-652.
26. Jovanović B., Rowe W.E., Anastasova, L., and **Palić, D.** (2011). Hydroxylated Fullerenes Inhibit Neutrophil Function in Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). *Aquatic Toxicology* 101, 474-482
27. Redmond, S.B., Tell, R.M., Coble, D., Mueller, C., **Palić, D.**, Andreasen, C.B., and Lamont, S.J. (2010). Differential splenic cytokine responses to dietary immune modulation by diverse chicken lines. *Poultry Science* 89, 1635-1641.
28. Redmond, S.B., Chuammitri, P., Andreasen, C.B., **Palić, D.**, and Lamont, S.J. (2009). Chicken Heterophils from Commercially Selected and Non-selected Genetic Lines Express Cytokines Differently After *in vitro* Exposure to *Salmonella enteritidis*. *Veterinary Immunology and Immunopathology* 132, 129-134.
29. Chuammitri, P., Ostojić, J., Andreasen, C. B., Redmond, S. B., Lamont, S. J., and **Palić, D.** (2009). Chicken Heterophil Extracellular Traps (HETs): Novel defense mechanism of chicken heterophils. *Veterinary Immunology and Immunopathology* 129, 126-131.
30. **Palić, D.**, Ostojić, J., Andreasen, C. B. and Roth, J. A. (2007). Fish cast NETs: Neutrophil Extracellular Traps are Released from Fish Neutrophils. *Developmental and Comparative Immunology* 31, 805-816.
31. **Palić, D.**, Helland, L., Pedersen, B., Pribil, J., Grajeda, R., Loan-Wilsey, A. and Pierce, C. L. (2007). Fish Assemblages of the Upper Little Sioux River Basin, Iowa, USA: Relationships with Stream Size and Comparison with Historical Assemblages. *Journal of Freshwater Ecology* 22(1), 69-79.
32. **Palić, D.**, Andreasen, C. B., Ostojić, J., Tell, R. M. and Roth, J. A. (2007). Zebrafish (*Danio rerio*) Whole Kidney Assays to Measure Degranulation of Primary Granules and Neutrophil Extracellular Trap Release. *Journal of Immunological Methods* 319, 87-97.
33. Starling, D. E., **Palić, D.** and Scarfe, A. D. (2007). Refinement and use of Certificates of Veterinary Inspection (Health Certificates) for Optimal Assurance of Disease Freedom in Aquatic Animals. In Dodet B., the OIE Scientific & Technical Department (eds): *The OIE Global Conference on Aquatic Animal Health*. *Developments in Biologicals* 129, 103-113.
34. **Palić, D.**, Andreasen, C. B., Herolt, D. M., Menzel, B. W. and Roth, J. A. (2006). Immunomodulatory Effects of β -glucan on Neutrophil Function in Fathead Minnows (*Pimephales promelas* Rafinesque, 1820). *Developmental and Comparative Immunology* 30(9), 817-830.
35. **Palić, D.**, Herolt, D. M., Andreasen, C. B., Menzel, B. W. and Roth, J. A. (2006). Anesthetic Efficacy of Tricaine Methanesulphonate, Metomidate and Eugenol: Effects on Plasma Cortisol Levels and Neutrophil Function in Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). *Aquaculture* 254(1-4), 675-685.
36. **Palić, D.**, Andreasen, C. B., Menzel, B. W. and Roth, J. A. (2005). A rapid, direct assay to measure degranulation of primary granules in neutrophils from kidney of fathead minnow (*Pimephales promelas* Rafinesque, 1820). *Fish and Shellfish Immunology* 19(3), 217-227.

37. **Palić, D.**, Andreasen, C. B., Frank, D. E., Menzel, B. W. and Roth, J. A. (2005). Gradient separation and cytochemical characterization of neutrophils from kidney of fathead minnow (*Pimephales promelas* Rafinesque, 1820). *Fish and Shellfish Immunology* 18(3), 263-267.
38. **Palić, D.** Cvitkovac, M. (1995). The Effect of *Escherichia coli* Wild Type on Pathomorphological Changes in Dace (*Leuciscus leuciscus*, L.). *Petnica's Papers* 41: 123-127.
39. **Palić, D.**, Ćirić, V. (1993). Ichthyofauna of Upper and Middle Stream of Kolubara River Region. *Petnica's Papers* 33: 49-54.
40. **Palić, D.**, Cvitkovac, M. (1993). Ichthyofauna of Gradac River and Possibilities for Aquaculture Management. *Petnica's Papers* 33: 55-58.
41. **Palić, D.**, Arsić, J., Valenta, A. (1993). Ectoparasites of Fish Populations in Upper and Middle Stream of Kolubara River Region. *Petnica's Papers* 33: 57-61.
42. **Palić, D.**, Pašić, I., Milanović, I. (1992). Microbiological Analysis of Upper and Middle Stream of Kolubara River Region. *Petnica's Papers* 30: 29-35.
43. **Palić, D.**, Radojević, D. (1991). Ecological Researches of the River Jablanica - Study of the Benthic Fauna. *Petnica's Papers* 23: E 12- E 15.

Contributed abstracts (before 2015):

27. **D. Palić**, AD Scarfe*, and CI Walster (2014). Global Initiatives to Advance Aquatic Veterinary Education. 7th International Symposium on Aquatic Animal Health, Portland, OR, U.S.A. 31.08-04.09.
28. **D. Palić**, AD Scarfe*, and CI Walster. (2014). Developing and Implementing Practical Aquatic Veterinary Biosecurity Programs to Meet International (OIE) Standards and National Regulations. 7th International Symposium on Aquatic Animal Health, Portland, OR, U.S.A. 31.08-04.09.
29. **D. Palić***, and R. Loh. (2014). Role of Veterinarian in Fish Health. *Clinica Veterinaria*, Brzece, Serbia, 22-26.06.2014.
30. Jovanović B., Whitley, E, Crumpton, A, Kimura, K. and **Palić, D.** (2014). Titanium Dioxide Nanoparticles Enhance Mortality of Fish Exposed to Bacterial Pathogens. *NanoTOX 2014*. 7th International Nanotoxicology Conference. Antalya, Turkey. April 23-26.
31. Jovanović B., Whitley, E, and **Palić, D.** (2013) Histopathology of fathead minnow (*Pimephales promelas*) exposed to hydroxylated fullerenes. SETAC North America 34th Annual Meeting. Harmonizing Science Across Disciplines. Nashville, Tennessee, USA. November 17-21.2013.
32. Jovanović B., Guzman, H, and **Palić, D.** (2013) Effect of titanium dioxide (TiO₂) nanoparticles on Mountainous Star Coral (*Montastraea faveolata*) stress responses. SETAC Europe 23rd Annual Meeting. Building a Better Future: Responsible Innovation and Environmental Protection. Glasgow, UK, May 12-16.2013. **Palić, D.** (2012) Cytochemical Characterization and Neutrophil Function in Fishes. Invited Presentation. *Aquaculture America 2012*, Las Vegas, NV, USA, February 29 - March 2, 2012.
33. **Palić, D.**, (2012). Tips and Tricks to Distinguish Leukocytes in Various Fish Species. Invited oral presentation. 2012 American Veterinary Medical Association Convention, San Diego, CA, USA, August 4-7, 2012.
34. Scarfe A.D., Walster C.I., **Palić, D.**, and Miller Morgan, T. (2012). WAVMA Certified Aquatic Veterinary Practitioner Program (Cert-AqVP) for Recognizing General Practitioner Competencies. Invited Oral Presentation. *Aquaculture America 2012*, Las Vegas, NV, USA, February 29 - March 2, 2012.
35. **Palić, D.**, Gudding, R., Scarfe A.D., and Walster C.I. (2012). The International Aquaculture Veterinary Biosecurity Consortium: Worldwide Education Opportunities in Aquaculture Biosecurity. Invited Oral Presentation. *Aquaculture America 2012*, Las Vegas, NV, USA, February 29 - March 2, 2012.
36. **Palić, D.**, Palić, J. and Beck, L.S. (2011). Characterization of Blood Leukocytes in Fish Species of Special Concern by Rapid Cytochemical Staining. Poster presentation. 62nd Annual Meeting of the American College of Veterinary Pathology and 46th Annual Meeting of the American Society for Veterinary Clinical Pathology, Nashville, TN, USA, December 1-5, 2011.
37. Tell, R.M., and **Palić, D.** (2011). Rac2 Expression in the Zebrafish. Poster and Oral presentation. Autumn Immunology Conference, Chicago, IL, USA. November 18-21, 2011.
38. Jovanović, B., Whitley, E., Kimura, K., and **Palić, D.** (2011). Titanium dioxide nanoparticles increased mortality of fish exposed to bacterial pathogen *Aeromonas hydrophila*. Oral presentation. SETAC North America 32 Annual Meeting. Navigating Environmental Challenges: Historical Lessons Guiding Future Directions. Hynes Convention Center, Boston, MA, USA., November 13-17, 2011.

39. Jovanović, B., Kimura, K., and **Palić, D.** (2011). Titanium dioxide nanoparticles increased mortality of fish exposed to bacterial pathogen. Oral Presentation. Midwest Chapter of the SETAC & Chicago Chapter of the Society for Risk Analysis joint meeting – “One Environment: Linking Environmental and Human Health Risks”. Grand Geneva resort, Lake Geneva, WI, USA. March 23-24, 2011.
40. Redmond, S.B., Chuammitri, P., Andreasen, C.B., **Palić, D.**, and Lamont, S.J. (2011). Genome-wide analysis of chicken heterophil functional response to Salmonella in advanced intercross lines reveals associations with known disease resistance loci, novel loci, and a likely mechanism for cell death through extracellular trap production. Workshop talk (Poultry). Plant and Animal Genomics XIX, San Diego, CA. January 15-19, 2011.
41. Jovanović, B., Anastasova L., Rowe, W.E., and **Palić, D.**, (2010). Immunotoxicity of nanosized titanium dioxide in fathead minnow (*Pimephales promelas* Rafinesque, 1820). SETAC North America 31st Annual Meeting. Portland, Oregon, November 7-11, 2010. Oral presentation.
42. Jovanović, B., Anastasova L., Rowe, W.E., and **Palić, D.**, (2010). Hydroxylated fullerenes quench neutrophil function in fathead minnow (*Pimephales promelas* Rafinesque, 1820). SETAC North America 31st Annual Meeting. Portland, Oregon, November 7-11, 2010. Poster presentation (**Best Poster Award**).
43. Redmond, S.B., Lamont, S.J., Andreasen, C.B., and **Palić, D.** (2010). Genome-wide analysis of chicken heterophil function reveals associations with known disease resistance loci and a likely mechanism for cell death through extracellular trap production. Abstract 38. One Health Symposium: People, Plants and Animals. Iowa State University, Ames IA. September 15, 2010.
44. Scarfe A.D., **Palić, D.**, and Walster C.I. (2010). Developing, Implementing, Auditing and Certifying Veterinary Biosecurity Programs. Oral presentation, S6-3. 6th International Symposium on Aquatic Animal Health, Tampa, Florida, September 5-9, 2010.
45. Scarfe A.D., **Palić, D.**, and Walster C.I. (2010). Current Veterinary Approaches to Judicial Antimicrobial Use. Oral presentation, S12-1. 6th International Symposium on Aquatic Animal Health, Tampa, Florida, September 5-9, 2010.
46. Kimura, K., **Palić, D.**, and Roth J. A. (2010). Effect of green tea extract and epigallocatechin gallate on bovine neutrophil function. Immunology 2010 Meeting Abstract. Journal of Immunology 184. 140.10.
47. Jovanović, B., Anastasova, L., and **Palić, D.** (2010). Nanoparticle Immunotoxicity in Fish Neutrophils. Poster presentation. 14th International Congress of Immunology. Kobe, Japan, August 22-27, 2010.
48. Jovanović, B., and **Palić, D.** (2010). Effect of nano-Titanium dioxide on innate immune response in fathead minnow. The 2010 Midwest SETAC annual chapter meeting –“New Science, New Challenges”. St. Paul, MN, USA. 24-26 March, 2010.
49. Jovanović, B., Anastasova, L., and **Palić, D.** (2009). Effects of Nanoparticles on Fish Immune Response. Oral presentation. Central States Chapter Society of Toxicology 2009 Annual Meeting. Ames, Iowa, October 1-2, 2009.
50. Anastasova, L., Jovanović, B., and **Palić, D.** (2009). Toxic effect of C60(OH)24 and TiO2 on the Neutrophils of Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). Poster presentation. Summer Scholar Program Research Day. Iowa State University, Ames, Iowa, August 14, 2009.
51. Redmond, S. B., Tell, R. M., Coble, D., C. Mueller, C., **Palić, D.**, Andreasen, C. B. and Lamont, S. J. (2009). Immunonutrigenomics of the Chicken Spleen. Poster presentation. 18th Annual Growth Factor and Signal Transduction Symposium. Iowa State University, Ames, Iowa, June 11-15, 2009.
52. Jovanović B., Goetz, F. W., Goetz G. W., and **Palić, D.** (2009). Expression of Genes in Fathead Minnow (*Pimephales Promelas* Rafinesque, 1820) During Simulation of Bacterial and Viral Challenge. Poster presentation. Systems Biology Symposium 2009, Ames, Iowa, June 11-14, 2009.
53. Beck, L. S., **Palić, D.**, Iwanowicz, L. and Iwanowicz, D. C. (2008). Effects of Acute Stress and Iridovirus Infection on Innate and Cell Mediated Immunity of Pallid and Shovelnose Sturgeon. Poster presentation. International Conference on Fish Diseases and Fish Immunology Reykjavik, Iceland, September 6-9, 2008.
54. Adams, B. S., Kimura, K., Jovanović, B. and **Palić, D.** (2008). Rapid Determination of Immunomodulation Potential for Feed Additives Using Fathead Minnow Neutrophil Function. Poster presentation. Summer Scholar Program Research Day. Iowa State University, Ames, Iowa, August 15, 2008.
55. Iwanowicz, L., Iwanowicz, D. C., Beck, L. S. and **Palić, D.** (2008). Preliminary Exploration of the Host Response to Natural Iridovirus: Immune Parameters and Molecular Identification of Immune-related Molecules. Poster presentation. Annual Meeting of American Fisheries Society, Fish Health Section, University of Prince Edward Island, Charlottetown, Prince Edward Island, Canada, July 9-12, 2008.

56. **Palić, D.**, Dvorak, G., and Roth, J. A. (2008). Online Education Materials in Aquatic Medicine for Veterinarians, Extension, and Producers. Oral presentation. Viral Hemorrhagic Septicemia: A Threat to the Nation's Wild and Cultured Fish, Special Session, Aquaculture America 2008, Orlando FL, February 8-13, 2008.
57. Vaagen, K. D., Andreasen, C. B., Roth, J. A., and **Palić, D.** (2007). Immunomodulatory Effects of Yeast Cell Wall Preparations on Neutrophil Function in Fathead Minnows (*Pimephales promelas* Rafinesque, 1820). Poster presentation. Summer Scholar Program Research Day. Iowa State University, Ames, Iowa, August 10, 2007.
58. **Palić, D.**, Beck, L. S. and Andreasen C. B. (2007). Effects of Acute Stress on Leukocyte Hematology and Heterophil Function in Pallid Sturgeon. Annual Meeting of American Fisheries Society, Fish Health Section, Jackson Lake Lodge, Grand Teton National Park, Wyoming. June 3-6 2007.
59. Starling, D. E., **Palić, D.**, and Scarfe, A. D. (2006). Refinement and use of Certificates of Veterinary Inspection (Health Certificates) for Optimal Assurance of Disease Freedom in Aquatic Animals. Poster presentation. OIE Global Conference on Aquatic Animal Health, October 9-12, Bergen, Norway.
60. **Palić, D.**, Andreasen, C. B., Ostojić, J., Tell, M. R., and Roth, J. A. (2006). Zebrafish (*Danio rerio*) Whole Kidney Assays to Measure Neutrophil Extracellular Trap Release and Degranulation of Primary Granules. Poster presentation. 5th International Symposium on Aquatic Animal Health, San Francisco, California, September 2-6, 2006. Abstract ID# 104.
61. **Palić, D.**, Beck, L. S., Ostojić, J., Webb, M. A. H., Kappenman, K., and Andreasen C. B. (2006). Use of Rapid Cytochemical Staining to Characterize Fish Blood Leukocytes in Species of Special Concern and Determine Potential for Neutrophil Functional Testing. Poster presentation. 5th International Symposium on Aquatic Animal Health, San Francisco, California, September 2-6, 2006. Abstract ID# 156.
62. Godinez, E. M., Tell, R. M., Andreasen C. B., Roth J. A. and **Palić, D.** (2006). Cytochemical and Functional Characterization of Neutrophils from Bluegill (*Lepomis macrochirus*, Rafinesque 1819). Poster presentation. Summer Scholar Program Research Day. Iowa State University, Ames, Iowa, August 11, 2006.
63. **Palić, D.**, Ostojić, J., Andreasen, C. B., and Roth, J. A. (2006). Fish Cast NETs: The Release, Characterization and Quantitation of Fish Neutrophil Extracellular Traps. Oral Presentation. 10th International Congress of Developmental and Comparative Immunology, Charleston, South Carolina, July 1-6, 2006. Abstract ID# 214.
64. Todorović, Z., **Palić, D.**, Kane, L. K., and Pierce C. L. (2006). Use of GIS Tools to Identify Critical Points for Assessment of Aquatic Ecosystem Health in Agricultural Areas and Potential for Natural Resource Management. Poster presentation. 6th Annual Water Monitoring Conference. Ames, Iowa, February 16-17 2006. **(Best Poster Award – GIS days ISU 2006)**.
65. Tell, R.M., **Palić, D.**, Ostojić, J., Andreasen, C. B., Roth. J. A. (2005). Fish neutrophil functional assays: Degranulation of primary granules and release of neutrophil extracellular traps (NETs) in different fish species. Poster Presentation. Summer Scholar Program Research Day. Iowa State University, Ames, Iowa, August, 2005.
66. **Palić, D.**, Ostojić, J., Andreasen, C. B., and Roth, J. A. (2005). Fish Cast NETs: The Release and Quantitation of Fish Neutrophil Extracellular Traps (NETs). Oral presentation. Annual Meeting of Fish Health Section of American Fisheries Society, Minneapolis, Minnesota, July 27-30, 2005.
67. **Palić, D.**, Andreasen, C. B., Herolt D. M., Menzel, B. W., and Roth, J. A. (2005). Immunomodulation of fish neutrophil function with β -glucans. Poster presentation. 135th Annual Meeting of American Fisheries Society, Anchorage, Alaska, September 11-15, 2005. Abstract Number CP-1-EEX-121.
68. **Palić, D.**, Andreasen, C. B., Menzel, B. W. and Roth, J. A. (2004). Degranulation of primary granules in neutrophils from kidney of fathead minnow. Poster presentation. 65th Midwest Fish and Wildlife Conference, December 11-16, 2004. Indianapolis, Indiana. Poster# 184.
69. **Palić D.**, Herolt D. M., Andreasen C. B. and Roth J. A. (2004). Anesthetic Efficacy of Tricaine Methanesulphonate, Metomidate and Clove Oil: Effects on Plasma Cortisol Levels and Neutrophil Function in Fathead Minnow (*Pimephales promelas*, Rafinesque 1820). Oral presentation. 2004 Conference of Research Workers in Animal Diseases, November 14-16, 2004. Chicago, Illinois. Abstract# 128.
70. Herolt D. M., **Palić D.**, Andreasen C. B. and Roth J. A. (2004). Effects of anesthetics on neutrophil function in fish. Poster presentation. 2004 American College of Veterinary Pathologists Annual Meeting, November 13-17, 2004. Orlando, Florida. Poster# SP5 **(Winner of Best Poster Award)**.
71. Herolt, D. M., **Palić, D.**, Andreasen C. B. and Roth J. A. (2004). Anesthetic efficacy and effects of tricaine methanesulphonate, clove oil, and metomidate on neutrophil function in the fathead minnow. Poster presentation. 5th Annual Merck Merial Scholar Symposium, July 29 - August 1, 2004. Auburn, Alabama,

72. **Palić, D.**, Andreasen, C. B. and Roth, J. A. (2004). Separation, cytochemical characterization and functional tests of fathead minnow kidney neutrophils. Oral presentation. 134th Annual Meeting of American Fisheries Society, Madison, Wisconsin, August 21-26, 2004. Abstract# CO-286.
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74. **Palić, D.**, Grajeda, R., Helland, L., Pedersen, B., Pribil, J., Loan-Wilsey, A. and Pierce, C. L. (2003). Fish communities of the upper Little Sioux river basin: current status and historical trends. Poster presentation. 64th Midwest Fish and Wildlife Conference, December 7-10, 2003. Kansas City, Missouri.
75. **Palić, D.**, Grajeda, R., Helland, L., Pedersen, B., Pribil, J., Loan-Wilsey, A. and Pierce, C. L. (2003). Fish population research in Little Sioux River watershed. Poster presentation. Iowa Academy of Science 115th Annual Meeting April 25-26, 2003. Des Moines, Iowa.
76. **Palić, D.** (2002). Petnica Science Center – alternative model of science education. Oral presentation. Iowa Academy of Science 114th Annual Meeting April 19-20, 2002. Des Moines, Iowa.
77. **Palić, D.**, Bogdanović, N. (2000). Petnica Science Center - Science Education for 21st Century. Oral presentation. The Sixth International Competition in Science, Mathematics, Astronomy and Computer Science "Quanta 2000" November 9-19, 2000. Lucknow, India.
78. **Palić, D.** (1999). Educational Work in Forming Research Teams. Oral presentation. The First Conference of Educational Staff in Petnica Science Center December 19-20, 1999. Petnica, Serbia.
79. **Palić, D.**, Orlović, M. (1996). Natural Parks of Serbia and Yugoslavia. Oral presentation. VII International Youth Camp for Federation of Nature and National Parks of Europe July 27 to August 12, 1996. Bad Hatzburg, Germany.
80. **Palić, D.**, Orlović, M. (1996). Models of Science Education in Petnica Science Center. Oral presentation. VII International Youth Camp for Federation of Nature and National Parks of Europe July 27 to August 12, 1996. Bad Hatzburg, Germany.
81. **Palić, D.**, Marković, M. (1996). Necropsy Examination of Aquarium Fish. Oral presentation. The Fourth International Symposium "Small Animals-Life and Health", Short Contents pp: 65-67. April 29 to May 3, 1996. Belgrade, Serbia.
82. **Palić, D.**, Marković, M. (1996). Skin and Gill Biopsy as Rapid Diagnostic Procedure for Evaluating Aquarium Fish Diseases. Oral presentation. The Fourth International Symposium "Small Animals-Life and Health", Short Contents pp: 65-67. April 29 to May 3, 1996. Belgrade, Serbia.
83. **Palić, D.**, Marković, M. (1995). Clinically Significant Behavioral Patterns of Fish. Oral presentation. The Third International Symposium "Small Animals-Life and Health" Short Contents pp: 82-83. May 4-7, 1995. Belgrade, Serbia.
84. **Palić, D.** (1994). Taking the History in Aquarium Fish Problems. Poster presentation. The Second International Symposium "Small Animals-Life and Health" Short Contents pp: 48-49. April 9-13, 1994. Niška Banja, Serbia.
85. **Palić, D.**, Stamenković, V. (1994). Effect of Natural White Zeolite on pH and Water Hardness in Aquarium. Poster presentation. The Second International Symposium "Small Animals-Life and Health" Short Contents pp: 49-50. April 9-13, 1994. Niška Banja, Serbia.
86. **Palić, D.** (1993). Water Quality in Aquarium as Essential Factor for Fish Health. Poster presentation. The First International Symposium "Small Animals-Life and Health" Short Contents pp: 56-57. April 5-11, 1993. Niška Banja, Serbia.
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Book Chapters, Monographs, Manuals, Dissertation and Thesis:

1. Scarfe, A.D. and **Palić, D.** (2020). Aquaculture Biosecurity: Practical Approach to Prevent, Control and Eradicate Diseases. Chapter 3 pp 75-116 in Aquaculture Health Management (First Edition), Kibenge, F.S.B. and M.D. Powell (eds). Published June 2020 by Academic Press (Elsevier), Cambridge, MA, U.S.A. ISBN: 9780128133590
2. **Palić, D.** and Scarfe, A.D. (2018). Biosecurity in Aquaculture: Practical Veterinary Approaches for Aquatic Animal Disease Prevention, Control and Potential Eradication. Chapter 19 pp 497-520 in Biosecurity in Animal Production and Veterinary Medicine (First Edition), Dewolf, J. and F. Van Immerseel (eds). Published February 2018 by ACCO Uitgeverij, Leuven, Belgium. ISBN: 9789463443784.

3. Scarfe, A.D. and **Palić, D.** (2018) Editors. Proceedings of the 2018 World Aquatic Veterinary Medical Association Conference and Biosecurity Workshop, November 8-12, 2018. Marriott Conference Center, St. Kitts, West Indies.
4. Scarfe, A.D. and **Palić, D.** (eds) (2017). Aquaculture Biosecurity Manual and Workbook. IABVC Aquatic Veterinary Biosecurity Workshop, Cape Town, South Africa, July 01-02, 2017.
5. **Palić, D.**, Warg, J. V., and Work, T. M. (2015). Biocontainment Practices for Coral Disease Research. Chapter 33 pp 442-458 in Diseases of Coral (First Edition), Woodley C.M, Downs, C.A., Bruckner A.W., Porter J.W., and Galloway S.H. (eds.). Published 2015 by John Willey and Sons, Inc.
6. Scarfe, A.D., **Palić, D.**, Walster C.I., Hammell L.K., and Gustafson, L. (2011). Aquaculture Biosecurity Workbook. 30th World Veterinary Congress, Aquaculture Veterinary Biosecurity Workshop. Cape Town, South Africa, 20-21.10.2011.
7. Scarfe, A.D., **Palić, D.**, Walster C.I., Hammell L.K., Gustafson, L., and Lillehaug A. (2011). Manual for Aquaculture Biosecurity Workshop. 2nd International Aquaculture Biosecurity Conference and Workshop, Trondheim, Norway August 15-16, 2011.
8. **Palić, D.** (2005). *Cytochemical and functional characterization of neutrophils from kidney of fathead minnow (Pimephales promelas Rafinesque 1820) and potential for use as indicator of environmental health*. Doctoral dissertation, College of Agriculture, Iowa State University, Ames, Iowa, USA
9. **Palić, D.** (2002). *Chapter 3.3: Earth and its Resources - Environmental Protection and Ecology*. In: 1000 why - 1000 because (V. Ančić, ed) pp: 118-133. MK Panonia, Novi Sad, Serbia.
10. **Palić, D.** (2002). *Spring viremia of carp virus detection in fish ponds of Vojvodina region*. Master of Veterinary Sciences Thesis, College of Veterinary Medicine, Belgrade University. Belgrade, Serbia.

Invited presentations and plenary talks

1. **D. Palić** (2019). Pathway to Disease Prevention, Control and Eradication using Principles of Aquatic Veterinary Biosecurity. Keynote speaker. 3rd International Congress on Fisheries and Aquatic Research, Istanbul, Turkey 28-30 August 2019.
2. **D. Palić** (2019). Aquatic Animal Diseases and Biosecurity. Invited Panelist, Ocean Economy and Future Technology Conference, Oman Convention and Exhibition Centre, Muscat, Oman, 11-13 February 2019.
3. **Palić, D.** Aquatic Veterinary Biosecurity (2018 Conference Co-organizer, Session Chair and Invited Speaker), 8th Water and Fish Conference, Belgrade, Serbia 13-15 June 2018.
4. **Palić, D.** International Aquatic Veterinary Biosecurity Aquaculture Session (Session and workshop organizer), World Aquaculture 2017, Cape Town, South Africa 27-30.06.2017
5. **Palić, D.** Aquaculture Biosecurity (Session Chair and Invited Speaker), 7th Water and Fish Conference, Belgrade, Serbia 10-12 June 2015.
6. **Palić, D.** Water Quality Conditions Affecting Fish Health (Session Chair and Invited Speaker) WSAVA (World Small Animal Veterinary Association) 40th Congress, Bangkok, Thailand 15-18 May 2015
7. **Palić, D.**, A standardized Approach to Aquaculture Biosecurity. Invited presentation, Norwegian Veterinary Institute, Oslo, Norway, 28.11.2014
8. **Palić, D.** Cytochemical Characterization and Neutrophil Function in Fishes. Invited Presentation. Aquaculture America 2012, Las Vegas, NV, USA, February 29 - March 2, 2012.
9. **Palić, D.** The International Aquaculture Veterinary Biosecurity Consortium: Worldwide Education Opportunities in Aquaculture Biosecurity. Invited Presentation. Aquaculture America 2012, Las Vegas, NV, USA, February 29 - March 2, 2012.
10. **Palić, D.** Function and Role of Neutrophilic Granulocytes in Fish. Invited Presentation. 30th World Veterinary Congress, Aquaculture Veterinary Biosecurity Workshop. Cape Town, South Africa, October 20-21, 2011.
11. **Palić, D.** Clinical Pathology of Fish Leukocytes: Cytochemical Characterization and Use of Rapid Staining Techniques in Clinical Practice. Invited Presentation. 30th World Veterinary Congress, Aquaculture Veterinary Biosecurity Workshop. Cape Town, South Africa, October 20-21, 2011.
12. **Palić, D.** Why fish shouldn't wear sunscreen? Environmental Stress Effects on Fish Immune Responses. 2011. Department of Biological Sciences Seminar Series, April 1st, 2011. The George Washington University, Washington, D. C.
13. **Palić, D.** Immunomodulating Effects of nano-Titanium Dioxide: What else can your sunscreen do? 2011. Interdepartmental Neuroscience Program Seminar Series, Feb. 9th 2011, Iowa State University, Ames, IA.

14. **Palić, D.** Guest lecturer, fish immunology (3 day lectures and laboratory), 2010, Master of Science pro-gram in Aquatic Animal Health. Faculty of Veterinary Medicine, University of Thessaly, Karditsa, Greece.
15. **Palić, D.** Preparing Future Faculty Panel “How I got started/What I wish I had known”. 2010, Iowa State University, Ames, IA.
16. **Palić, D.** Environment-Fish Interactions: Modulations of Innate Immune Responses. 2010 Department of Natural Resource Ecology and Management Seminar Series. Iowa State University, Ames, IA.
17. **Palić, D.** Reef fish hematology and blood leukocyte function. Iowa State University Marine Biology Club lecture series, March 25th 2010, Ames IA.
18. **Palić, D.** The Parasites of Fish, Iowa Aquaria Association annual meeting. Ames, IA. 2010.
19. **Palić, D.** Guest lecturer, four lecture series on innate immunity, disease resistance and application of dietary immunomodulators. Veterinary Chamber of Serbia and Faculty of Veterinary Medicine, University of Belgrade, Belgrade, Serbia, 2010.
20. **Palić, D.** Neutrophilic Granulocytes of Fish. Fish diseases and Fish Biology Seminar series, Faculty of Veterinary Medicine, Ludwig-Maximillan University of Munich, Munich, Germany, 2010.
21. **Palić, D.** Fish necropsy and diagnostic sampling techniques. 2009 Aquaculture Biosecurity Workshop, College of Veterinary Medicine, Iowa State University, Ames, IA.
22. **Palić, D.** Alternative models to Study Innate Immunology. 2009 Departments of Biomedical Sciences, and Pathology and Microbiology Seminar Series, Atlantic Veterinary College, University of Prince Edward Island, Charlottetown, PEI, Canada.
23. **Palić, D.** G.D. Dvorak, D.A. Bickett-Weddle, A.D. Scarfe, and C.I. Walster Integrating Components into Effective & Practical Biosecurity Programs. 2009. International Aquaculture Biosecurity Conference, Trondheim, Norway.
24. Scarfe, A.D.* , C.I. Walster, **D. Palić**, and A.B. Thiermann. 2009. Components of Ideal Biosecurity Plans and Programs. International Aquaculture Biosecurity Conference, Trondheim, Norway.
25. **Palić, D.** VHS information and web resources. 2009 Ames Anglers meeting. Ames, IA.
26. **Palić, D.** Small Fish in a Big Pond: Alternative Animal Models of Innate Immunity. 2009. Department of Genetic, Development and Cell Biology Seminar Series. Iowa State University, Ames, IA.
27. **Palić, D.** Guest lecturer, poultry diseases course (four lecture series on innate immunity, disease resistance and application of dietary immunomodulators), Faculty of Veterinary Medicine, University of Belgrade, Belgrade, Serbia, 2009.
28. **Palić D.** Tools to Assess Fish & Stream Health: Innate Immunity and GIS Flow Path Analysis. 2007. Bozeman Fish Technology Center Seminar Series. U. S. Fish and Wildlife Service, Bozeman MT.
29. **Palić, D.** From cells to watersheds: bringing the gap. 2007. Anchor Watch Seminar Series. The University of Wisconsin - Milwaukee, Great Lakes WATER Institute, Milwaukee, WI.
30. **Palić, D.** Functional assays of fish neutrophils (3 day workshop). 2006. U.S. Fish and Wildlife Service, Fish Technology Center, Bozeman, MT.
31. **Palić, D.** Fish Immunology Workshop- Neutrophil Function (3 day workshop). 2006. Norwegian National Veterinary Institute, Oslo, Norway.
32. **Palić, D.** Coral Reef Diseases. 2006. Marine Biology of the Caribbean, Iowa State University, Ames, IA.
33. **Palić, D.** Enhancing fish and shrimp immunity with feed additives. 2005. Animal Breeding and Genetics Group Seminar Series, Department of Animal Science, Iowa State University, Ames, IA.
34. **Palić, D.** From cells to watersheds: bringing the gap with technology. 2004. Department of Natural Resources Ecology and Management Seminar Series, Iowa State University, Ames, IA.
35. **Palić, D.** Fish handling, anesthesia and necropsy techniques. 2004. American Animal Hospital Association, College of Veterinary Medicine Student Chapter, Iowa State University, Ames, IA.
36. **Palić, D.** Preparing Future Faculty program 588x and 587x experience. 2004. PFF final event, Iowa State University, Ames, IA.
37. **Palić, D.** U.S. Veterinary Medicine Response to Bioterrorism - Policy and Education Strategies. 2003. Norwegian Veterinary Institute Special Seminar, Oslo, Norway.

Non-peer reviewed publications, media appearances, and web accessible reports:

1. **Palić, D.** 2020. TV Series “Svetski” (Worldly) by Rastko Šejić and WDYW, 3rd episode “Dušan Palić, Fish Veterinarian” Public Broadcasting Service Channel RTS Nauka (Radio Television Serbia: Science). Repository (<https://rtsplaneta.rs>)

2. **Palić, D.** 2019. Commentary on aquacultured tuna fish health. In: Auf dem Kampe, J., and Gerigk, C. "Der Superfisch". GEO Magazin May 2020, 26-46.
3. **Palić, D.** 2019. Radio Bayern 2. Der Hummer Krustentier und Begehrte Delikatesse (by Brigitte Kramer). Podcast on: <https://www.br.de/mediathek/podcast/radiowissen/der-hummer-krustentier-und-begehrte-delikatesse/1692262>
4. **Palić, D.** 2018. What do fish and amphibians do during thunderstorms? Reader's Digest German Edition September 2018 (in German). 26-27.
5. **Palić, D.** 2017. How fish can feel pain? Bavarian TV program.
6. Redmond, S.B., Tell, R., Coble, D., Mueller, C., **Palić, D.**, Andreasen, C. B., Lamont, S.J. 2010. Genetic differences in chicken splenic immune gene expression in response to dietary immune modulation. Iowa State University Animal Industry Report, 2010, A.S. Leaflet-R2537
7. **Palić, D.** 2010. Overview of the Changes in the U.S. National Veterinary Accreditation Program. 2010. Bulletin of Serbian Association of Small Animal Practitioners 5:21-23.
8. Obradovic-Wagner, D., **Palić, D.** 2010. Perspectives of Scientific Research in Serbia. The Science Portal of B92 Internet, Radio and TV station (in Serbian); http://www.b92.net/zivot/nauka.php?nav_id=409796
9. Merrill, P.L., Tepper, J., Walster, C.I., **Palić, D.**, Miller-Morgan, T., and Johnston, C.J. 2007. Aquatic Veterinary Medicine Association. The Veterinary Record 160:452.

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