

10:00 Participants reception

10:30 Workshop opening: Presentation of the 2017 topics for Animal Science Doctoral Programmes SANFEED (ICBAS) and AniSCI (ICBAS/UTAD)

Participants: **SANFEED Scientific Committee** (*Luísa Valente, CIIMAR & ICBAS-UP; Rita Cabrita, REQUIMTE & ICBAS-UP; Paulo Vaz Pires, ICBAS-UP; Júlio Carneiro, CIBIO & ICBAS-UP; António Mira, REQUIMTE & ICBAS-UP*), **SANFEED Advisory Board President** (*Jorge Dias, SPAROS*), **AniSCI Programme Coordinator** (*Rita Payan, CECAV-UTAD*) & **PhD Student** (*Inês Campos, SORGAL, CIIMAR & ICBAS-UP*)

Session I – Chairmen: *Cláudia Serra (CIIMAR) & Sónia Batista (CIIMAR)*

11:00 Plenary session: Measuring farm animal welfare; What affects farm animal welfare (*Suzanne Held, School of Veterinary Sciences, University of Bristol*)

11:30 Essential trace element content of commercially available dry dog foods (*Ana Margarida Pereira, SORGAL, Alltech, REQUIMTE & ICBAS-UP*)

11:45 Non-invasive monitoring of long-term adrenocortical activity in the Iberian lynx (*Lynx pardinus*) (*Alexandre Azevedo, IZW & ICBAS-UP*)

12:00 Unique teleost marine catfish *Plotosus lineatus* osmoregulation strategy (*Salman Malakpour, CIIMAR & ICBAS-UP*)

12:15 Dietary inclusion of the histidine, threonine and tryptophan in fishmeal-free diets, improves immune status in gilthead seabream (*Sparus aurata*) juveniles at a short-term feed (*Lourenço Pinto, SPAROS, CIIMAR & ICBAS-UP*)

12:30 LUNCH & POSTER SESSION

Session II – Chairmen: *António Rocha (ICBAS) & Sara Magalhães (SORGAL & ICBAS-UP)*

14:15 Plenary session: Sustainability: Challenges and Opportunities for European Feed Industry (*Jaime Piçarra, IACA*)

14:45 Characterization of the Bísaro pig production system (*Gustavo Paixão, CECAV-UTAD*)

15:00 Replacing dietary fish oil with poultry fat in European seabass (*Dicentrarchus labrax*) juveniles: growth performance, tissue composition and lipid metabolism (*Inês Campos, SORGAL, CIIMAR & ICBAS-UP*)

15:15 Lipid nanoparticles: lysine carriers to bypass ruminal digestion in dairy cows (*João Albuquerque, PREMIX, REQUIMTE & ICBAS-UP*)

15:30 Inorganic and organic dietary trace elements: effect on *Dicentrarchus labrax* larvae growth and bone status (*Michael Viegas, SPAROS, INVIVONSA & ICBAS-UP*)

15:45 Round table discussion

Chairmen: *Jorge Dias (SPAROS) & Jaime Piçarra (IACA)*

Participants: *Suzanne Held, Cláudia Serra, António Rocha, Ingrid Van Dorpe (PREMIX), Francisca Brito (ALGApplus & ICBAS-UP PhD student) & Denis Meehan (REQUIMTE & ICBAS-UP PhD student)*

16:30 Best poster and oral presentation awards

Jury: *José Costa Lima (REQUIMTE, FFUP), Maria Teresa Dinis (External Member of the SANFEED Advisory Board & CCMAR) & Margarida Araújo (ICBAS-UP)*

16:45 PORT OF HONOR & WORKSHOP CLOSING SESSION