**Children and adolescents in sports: a multidimensional approach**

**ADVANCED COURSE PROGRAM**

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<th>Date</th>
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| 15/07/2019 | Morning 9:00-12:30 | Introduction               
Sport Sciences in the XXIst century: implications for youth sports (Carlos Gonçalves)  
Coach athlete relationships in youth sport (Diane Culver)  
Perceptions of enjoyment in youth sports (Michel Millistetd)  
**Afternoon session - 14:00-16:00**  
Presentations of students’ research — oral conference format 15 min + 10 min discussion |
| 16/07/2019 | Morning 9:00-12:30 | How and why youth sports coaches need to develop their knowledge? (Michel Millistetd)  
Why do young athletes engage in the search for excellence? (Carlos Gonçalves)  
Body composition: research in the pediatric population (Diego S. Silva)  
Size matters with children and adolescents in sports (Humberto M. Carvalho)  
**Afternoon session - 14:00-16:00**  
Presentations of students’ research — oral conference format 15 min + 10 min discussion |
| 17/07/2019 | Morning 9:00-12:30 | Student-athlete: holistic approach for youth sports (Carlos E. Gonçalves)  
Performance assessment in team sports with children and adolescents (Thiago J. Leonardi)  
Monitoring growth and maturation in youth sports (Humberto M. Carvalho)  
Bibliometrix: An R-tool for comprehensive science mapping analysis (Icaro Agostino)  
**Afternoon session - 14:00-16:00**  
Presentations of students’ research — oral conference format 15 min + 10 min discussion |
| 18/07/2019 | Morning 9:00-12:30 | Exercise testing in the laboratory with young athletes (Ricardo D. Lucas)  
Exercise testing in the field with young athletes (Juliano S. Fernandes)  
Assessment of human movement: application to young athletes (Fernando Diefenthaeler)  
Skeletal muscle as a secretory organ: potential for exercise in children and adolescents (Joana M. Gaspar)  
**Afternoon session - 14:00-16:00**  
Presentations of students’ research — oral conference format 15 min + 10 min discussion |
| 19/07/2019 | Morning 9:00-12:30 | Statistical “significance” (or insignificance?) in sports science (Humberto M. Carvalho)  
Mixed-methods and qualitative research in sports and exercise science: how to report effectively (Michel Millistetd)  
Assessment of participants’ perceived experience in youth sport - qualitative and quantitative methods (Carlos E. Gonçalves) |