



SCIENTIFIC PROGRAM

Morning Wednesday, 24 May

Comparative perspectives in healthspan

Chair: Nicole Ehrhart

- 8:30 - 9:00 CEST
Welcome and Introductions
Natalia Wagemans
Ryan Carvalho
- 9:00 - 9:50 CEST
Great Danes and grandads: How the companion dog is moving the needle in longevity interventions
Nicole Ehrhart
- 9:50 - 10:50 CEST
Epigenetic clock studies in companion animals
Steve Horvath
- 10:50 - 11:10 CEST
Break
- 11:10 - 11:50 CEST
The Dog Aging Project: State of the science
Kate Creevy
- 11:50 - 13:30 CEST
Break

Afternoon Wednesday, 24 May

The microbiome, the gut and brain function

Chair: Jan Suchodolski

- 13:30 - 14:10 CEST
Changes in the gut microbiome and function over lifespan
Jan Suchodolski
- 14:10 - 14:50 CEST
The gut microbiome as a target for improving brain health during ageing
Marcus Böhme
- 14:50 - 15:10 CEST
Break
- 15:10 - 15:50 CEST
Epilepsy, the gut and the ageing brain
Holger Volk
- 15:50 - 16:30 CEST
Canine cognitive decline and the role of the microbiome
Natasha Olby
- 16:30 - 17:00 CEST
Panel discussion with audience Q&A
All speakers from session

Morning Thursday, 25 May

Immunosenescence: The impact of age on immune function

Chair: Donald Palmer

- 8:30 - 9:10 CEST
Understanding how age-associated changes of the immune system leads to immune dysfunction
Donald Palmer
- 9:10 - 9:50 CEST
Implications of immunosenescence and inflammaging for immunization of older individuals
Graham Pawelec
- 9:50 - 10:10 CEST
Break
- 10:10 - 10:50 CEST
Diet and immune function
Caroline Childs
- 10:50 - 11:30 CEST
Investigating the potential of targeting microbiome dysbiosis for combatting immunosenescence
Niharika Duggal
- 11:30 - 12:30 CEST
Panel discussion with audience Q&A
All speakers from session
- 12:30 - 13:30 CEST
Break

Afternoon Thursday, 25 May

Mitochondria and the metabolic determinants of ageing and longevity

Chair: Michelangelo Campanella

- 13:30 - 14:10 CEST
Mitochondrial cholesterol metabolism and signalling in cell survival
Michelangelo Campanella
- 14:10 - 14:50 CEST
Cellular senescence in renal ageing and disease
Jessica Quimby
- 14:50 - 15:10 CEST
Break
- 15:10 - 15:50 CEST
Metabolic consequences of ageing in small and large breed dogs
Ana Jimenez
- 15:50 - 16:30 CEST
How the ketogenic diet extends functional longevity
Gino Cortopassi
- 16:30 - 17:00 CEST
Panel discussion with audience Q&A
All speakers from session
- 17:00 - 17:30 CEST
Closing Remarks
Natalia Wagemans and all section chairs of the Summit