

## 4<sup>th</sup> ECVSMR Scientific Meeting – 20-22 July 2023

- **Pr. Nathalie Crevier-Denoix**



Nathalie Crevier-Denoix graduated from the Veterinary School of Alfort (France, 1989). Agrégée in Veterinary Anatomy (1993), she defended a PhD thesis in Biomechanics (1996). Professor of Anatomy (1999), she is also (since 2003) the head of a research unit devoted to Biomechanics and equine locomotor pathology in Alfort. After a Veterinary Doctorate on the radiographic images of the limbs of the foal, her research activities have been covering two topics: equine tendon imaging and biomechanics, and biomechanical effects of equestrian surfaces. Her main achievements are the development of a non-invasive device for in vivo tendon force measurement (Tensonics, patented), the development and application of a combined dynamometric and high speed kinematic measurement protocol compatible with equine training conditions, the development of a testing device for equestrian surfaces, mimicking the interaction of an equine forelimb with the ground in the vertical plane (Equine Track Tester, ET2, patent deposited). In 2016 she became diplomate of the ACVSMR, and in 2019, de facto diplomate of the ECVSMR (equine). From 2019 to 2023 she has been principal investigator of a research program on rehabilitation of superficial digital flexor tendinopathy in racehorses, based on controlled exercise associated with close clinical, ultrasonographic and biomechanical follow-up.

She published 53 peer-reviewed articles, and presented about 100 invited lectures and 110 short communications in international and national conferences.