

Roger Sturme

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Roger Sturme is a jointly appointed Senior Lecturer of Reproductive Medicine at the Hull York Medical School and at the University of Manchester. He is interested in studying metabolic function at the nanoscale of individual embryos and how this links to embryo physiology, and has subsequently applied these interests to somatic cells and stem cells. His laboratory studies oocytes and embryos of domestic species; notably bovine, porcine and equine, in addition to work on human embryos in collaboration with the Hull IVF clinic. His research has identified key metabolic adaptations of early embryos in response to nutritional and physiological challenges, informing the debate on maternal health around conception. His group has also developed a novel model of the female reproductive tract which has provided new insight into the formation of reproductive tract fluid. He is the Basic Science Officer for the European Society of Human Reproduction and Embryology Special Interest Group, as well as a Board Member of the Association of Embryo Technology in Europe, the UK data collector for the International Embryo Transfer Society, a tutor on the UK National Health Service Speciality Training Programme in Embryology and a member of the Association of Reproductive & Clinical Sciences (ARCS) Scientific Advisory Committee. When not working, he is an avid runner, coaches a childrens' football team, is a fully qualified SCUBA diving instructor and is a passionate supporter of the greatest football team in the world – Aston Villa.