



SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE

<http://www.svepm.org.uk>

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SVEPM PROPOSAL FORM FOR ORGANIZING A WORKSHOP

Please complete the expandable table below and return by email to the Honorary Secretary, Koen Mintiens at kmintiens@avia-gis.be.

<i>Title of the Workshop</i>	Molecular Epidemiology for Beginners
<i>Workshop facilitators</i> Please provide name, affiliation and email address Underline the name of the contact person One facilitator will receive free-registration to the SVEPM annual meeting	<u>Ruth Zadoks</u> Royal (Dick) School of Veterinary Studies, University of Edinburgh, and Moredun Research Institute Ruth.zadoks@moredun.ac.uk
<i>Objectives and expected outcomes</i>	Objectives: <ol style="list-style-type: none">1. To review the molecular basis of typing methods for infectious agents (viruses, bacteria, protozoan pathogens) and its implications for their use in epidemiological investigations.2. To discuss concepts and examples of host adaptation, outbreak investigation and source attribution.3. To provide a brief introduction to data analysis methods, phylogeography, phylodynamics, and other examples of integration of molecular and mathematical approaches. Expected outcomes <ol style="list-style-type: none">1. Participants will become acquainted with the principles of molecular typing methods and criteria for selection of appropriate methods.2. Participants will understand the value and limitations of molecular methods in

	<p>support of biological and epidemiological investigations.</p> <p>3. Participants will become sufficiently familiar with molecular epidemiology terminology to read or write scientific texts more confidently and to know when and where to find additional information.</p>
<i>Content and structure</i>	<ol style="list-style-type: none"> 1. The workshop will consist of three mini-seminars to introduce the three main topics, i.e. typing methods, outbreak investigation, and data analysis. 2. Within each topic, short exercises and group discussion will be incorporated. 3. Participants are encouraged to share their questions or experience and to contribute to discussion.
<i>Materials provided by the facilitators</i>	Slide handouts; review paper with background information
<i>Maximum number of participants</i>	30
<i>Assumed knowledge of participants</i>	Basic knowledge of epidemiology
<i>Required meeting room set-up and equipment</i>	<p>Room that fits 30 participants in a U-shape set-up.</p> <p>1 flip-charts</p> <p>PPP projector</p>