14th European Conference of the Society for Vector Ecology

Bellinzona, Switzerland

September 3 - 6, 2003
**Scientific Program**

**Tuesday, Sep. 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:00</td>
<td>Press Conference</td>
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<tr>
<td>14:00-20:00</td>
<td>Registration</td>
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<tr>
<td>17:00-18:00</td>
<td>Board Meeting of EMCA</td>
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</table>

**18:00**  *Welcome drink (offered by the Government of the Canton Ticino)*

**Wednesday, Sep. 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00-09:30</td>
<td>Opening of the Conference: Peter Lüthy</td>
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<tr>
<td>09:30-10:10</td>
<td>Welcome Addresses: Patrizia Pesenti, Member of the Government Canton Ticino. Raffaele Peduzzi, Institute for Microbiology, Canton Ticino. Willem Takken, President European SOVE</td>
</tr>
<tr>
<td>09:30-10:10</td>
<td>Keynote: M. Tanner, Director Swiss Tropical Institute, Basel, Switzerland</td>
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<tr>
<td>10:10-10:30</td>
<td><em>Coffee break</em></td>
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**10:30-12:00** Symposium 1: Semiochemicals affecting vector behavior

**Chair: Willem Takken**

- **Willem Takken**, Wageningen University, The Netherlands
  - Odour-based variation in human attractiveness to the malaria mosquito Anopheles gambiae

- **R.K. Saini**, Int. Center of Insect Physiology and Ecology (ICIPE), Nairobi
  - Repellents as Tools for Integrated Tsetse Management

- **N. Gikonyo**, Int. Center of Insect Physiology and Ecology (ICIPE), Nairobi
  - Avoidance of refractory “hosts” by tsetse and identification of the mediating Semiochemicals

- **L. Blaustein**, Community Ecology Laboratory, Institute of Evolution, Faculty of Sciences, University of Haifa, Israel.
  - Evidence for, and prospects for using, predator-released kairomones that inhibit oviposition by mosquitoes

**12:00-12:20** P.M. Guerin and Z. Syed, Institute of Zoology, University of Neuchâtel, Switzerland

- Tsetse flies are attracted to the invasive plant Lantana camara

**12:20-13:30** *Lunch break*

**13:30-15:40** Symposium 2: Arboviruses and Vector Ecology

**Chair: Norman Gratz**

- **Norman Gratz**, WHO, Switzerland
  - The global burden of the arboviruses

- **C. Aranda et al.** Consell Comarcal del Baix Llobregat, Servei de Control de Mosquits, Barcelona, Spain
  - Arbovirus mosquito surveillance in Spanish wetlands.

- **A. Wilamowski**, Entomology Laboratory, Ministry of Health, Jerusalem, Israel
  - A new record of Aeodes albopictus in Israel and the disappearance of Aeodes aegypti

- **R. Darnet**, Zoologisches Institut der Universität Zürich Switzerland
  - What about competition between Aedes aegypti and Aedes albopictus?

- **M. Pfeffer**, Institute of Microbiology, German Armed Forces, Munich, Germany
  - Investigation on the ecology of Usutu virus in Austria.
### Wednesday, Sep. 3

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>15:20-15:40</td>
<td>G. Nicolescu, Cantacuzino Institute, Bucharest, Romania</td>
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<td>Persistence of West Nile virus circulation in Romania after the outbreak in 1996</td>
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<tr>
<td>15:40-16:00</td>
<td><strong>Coffee break</strong></td>
</tr>
<tr>
<td>16:00-17:30</td>
<td><strong>Poster Session</strong> (Posters remain on display for the duration of the conference)</td>
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<tr>
<td>17:45</td>
<td><strong>MOTAX Meeting</strong></td>
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### Thursday, Sep. 4

**Location: Castelgrande, Bellinzona**

**Symposium 3: Climatic and anthropogenic impact**

**Chair: Francis Schaffner**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 08:00-08:20| W. Tuntaprasart, Dept. of Medical Parasitology and Entomology, Mahidol University, Bangkok, Thailand  
Aedes aegypti infected rate and climatic factors correlated with dengue transmission (Ratchaburi Province Thailand: 2000-2001) |
| 08:20-08:40| B. Mondet, Institut de Recherche pour le Développement UR34, Dakar, Sénégal  
Importance of rain pattern on the biology of Aedes (Aedimorphus) vexans arabiensis, potential vector or the Rift Valley Fever virus in Senegal |
| 08:40-09:00| M. Schäfer, Department of Population Biology, Evolutionary Biology Centre, Uppsala University, Sweden  
Constructed wetlands and mosquitoes in southern Sweden – diversity versus nuisance? |
| 09:00-09:20| A. Mosca, Casale Monferrato Agreement for Mosquito Control, Italy  
Environmental strategies in rice field mosquito control |
| 09:20-09:40| B. Rossaro, Department of Biology, University of Milan, Italy  
Chironomidae and Culicidae of the wetlands in Italy |
| 09:40-10:00| B.V. Purse, Institute for Animal Health, Pirbright, Surrey, UK  
Bluetongue and other Culicoides-borne diseases in the EU: Assessment of risk in space and time by vector surveillance and GIS modelling |
| 10:00-10:30| **Coffee break**                                                     |

**Symposium 4: Vector Physiology**

**Chair: Marc Klowden**

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<thead>
<tr>
<th>Time</th>
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| 10:30-11:00| M. Klowden, University of Idaho, USA  
The role of male accessory gland substances on mosquito behavior. |
| 11:00-11:20| C. Kaufmann, Zoologisches Institut der Universität Zürich, Switzerland  
Flight performance of malaria mosquitoes, Anopheles gambiae and Anopheles atroparvus. |
| 11:20-11:40| L. Fernandes, Zoologisches Institut der Universität Zürich, Switzerland  
Blood and/or sugar in Anopheles gambiae? |
| 11:40-12:00| D. Porretta, Dept. of Genetics and Molecular Biology, University La Sapienza of Rome, Italy  
Genetic analysis of Italian Ochlerotatus caspius populations from different breeding sites assessed by allozyme and microsatellite markers |
| 12:00-12:20| R. Kuhn, Dept. of Biology, Johannes Gutenberg-University, Mainz, Germany  
Observation of inter- and introaspecific mating attempts in mosquitoes |
| 12:20-12:40| A. Belen, Hacettepe University, Dept. of Biology, Beytepe, Ankara, Turkey  
Morphometric and allozyme variability in geographical local populations of Phlebotomus papatasii (Diptera, Psychodidae, Phlebotominae) in Southeastern Anatolia, Sanliurfa Province, Turkey. |
### Thursday, Sep. 4

**12:40-13:00**  
**H. Yurttas**, Hacettepe University, Dept. of Biology, Beytepe, Ankara, Turkey  
Morphometric and isoenzymatic studies on local populations of malaria vector Anopheles sacharovi (Diptera: Anophelinae) in Southeastern Anatolia, Sanliurfa Province, Turkey

**13:00-14:15**  
**Lunch break**

**14:15-16:30**  
**Symposium 5: Ticks and Tick-borne Diseases**  
**Chair: Bruno Betschart**

- **14:15-14:30**  
  **B. Betschart**, Institute of Zoology, University of Neuchâtel, Switzerland  
  Review

- **14:30-15:00**  
  **T. Kröber**, Institute of Zoology, University of Neuchâtel, Switzerland  
  Understanding tick sensory ecology to develop tools for their control

- **15:00-15:30**  
  **J.-L. Perret**, Institute of Zoology, University of Neuchâtel, Switzerland  
  Climatic constraints on the tick Ixodes ricinus, a new view on its life strategy

- **15:30-15:50**  
  **F.O. Luna**, Institute of Zoology, University of Neuchâtel, Switzerland  
  Attraction of Rhodinus to a mixture of carbon dioxide and ammonia

- **15:50-16:10**  
  **K.S. Larsen**, KSL Consulting, Helsingør, Denmark  
  Ectoparasites of pets: Their importance in public health

- **16:10-16:30**  
  **B.M. Ulayi**, Dept. of Veterinary Parasitology and Entomology, Ahmadu Bello University, Zaria, Nigeria  
  Ticks and tick borne diseases of domestic animals in Nigeria

**16:30-16:50**  
**Coffee break**

**16:30-17:30**  
**Poster Session**

**16:50-17:15**  
**SOVE Business Meeting**

**17:20-18:00**  
**EMCA General Meeting**

**20:00**  
**Conference dinner at Castelgrande**

### Friday, Sep. 5

**08:30-10:30**  
**Symposium 6: Malaria: Vector control from the bed net to genetic engineering**  
**Chair: Romeo Bellini**

- **08:30-09:00**  
  **Y. Touré**, WHO, Geneva, Switzerland  
  Prospective on strategies for interrupting malaria transmission

- **09:00-09:30**  
  **M. K. Cham**, WHO, Geneva, Switzerland  
  Current activities of WHA for malaria control

- **09:30-09:50**  
  **O. Skovmand**, Intelligent Insect Control, Montpellier, France  
  Laboratory evaluation of long lasting impregnated nets

- **09:50-10:10**  
  **R. Sithirprasasna**, Dept. of Entomology, Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand  
  Use of remote sensing, geographic information system, and spatial model to study the distribution of malaria mosquitoes in North-Western Thailand

- **10:10-10:30**  
  **A. Prakash**, Regional Medical Research Centre, Dibrugarh, Assam India  
  Period of maximum risk of malaria transmission at night by Anopheles dirus (Diptera: Culicidae) in a forest fringed village of Assam, North-east India

**10:30-11:00**  
**Coffee break**
### 14th European Conference of the Society of Vector Ecology
September 3-6, 2003 Bellinzona, Switzerland.

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:00-12:00</td>
<td><strong>Special Lectures:</strong> How to Be Successful in Vector Control.</td>
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<td><strong>Chair:</strong> Peter Lüthy</td>
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<tr>
<td>11:00-11:30</td>
<td>P. Guillet, WHO, Geneva, Switzerland</td>
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<td>The control of river blindness: A success story</td>
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<td>11:30-12:00</td>
<td>A. Drago, Entostudio, Selvazano Dentro, Padova, Italy</td>
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<td>Education, information and public awareness in vector control</td>
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<tr>
<td>12:00-13:30</td>
<td><strong>Lunch break</strong></td>
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#### Friday, Sep. 5

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<th>Time</th>
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<tbody>
<tr>
<td>13:30-17:20</td>
<td><strong>Symposium 8:</strong> Environmental Strategies of Vector Control.</td>
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<td><strong>Chair:</strong> Norbert Becker</td>
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<tr>
<td>13:30-13:40</td>
<td>N. Becker, German Mosquito Control Association (KABS), Waldsee, Germany</td>
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<tr>
<td></td>
<td>Introduction</td>
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<tr>
<td>13:40-14:00</td>
<td>M.B. Madon, Greater Los Angeles Conty Vector Control District, Santa Fe</td>
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<td>Springs, California</td>
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<td>Environmental strategies for vector management in the U.S</td>
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<td>14:00-14:20</td>
<td>P.K. Das</td>
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<td>Environmental risk reduction for sustainable vector-borne disease control</td>
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<td>14:20-14:40</td>
<td>M. Mahilum, German Mosquito Control Association (KABS), Waldsee, Germany</td>
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<td>Environmental strategies to eliminate mosquito vectors in South-East Asia</td>
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<td>14:40-15:00</td>
<td>A. Ali et al., Aquatic Entomology and Ecology, University of Florida, Apopka, USA</td>
</tr>
<tr>
<td></td>
<td>Field assessment of larvicidal activity of a new granulate formulation (VBC-60032) of Bacillus thuringiensis serovar israelensis against Chironomidae (Diptera) in man-made ponds</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td>A. Tawatsin, National Institute of Health, Ministry of Public Health, Nonthaburi, Thailand</td>
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<td>Efficacy evaluation of slow-release formulations of larvicides against Aedes aegypti (L.) larvae in water-storage containers under field-simulated conditions</td>
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<td>Efficacy and longevity of a new formulation of temephos larvicide tested in village-scale trials against Aedes aegypti (L.) larvae in water-storage containers</td>
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<tr>
<td>15:40-16:00</td>
<td><strong>Coffee break</strong></td>
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<tr>
<td>16:00-16:20</td>
<td>M. Carriero, Centro Agricoltura Ambiente, Crevalcore, Italy</td>
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<tr>
<td></td>
<td>Improving the efficacy of regulat Aedes albopictus (Diptera : Culicidae)monitoring in Italy: evaluations of oviposition responses to Bacillus thuringiensis israelensis</td>
</tr>
<tr>
<td>16:20-16:40</td>
<td>J.O. Lundström and Martina Schäfer, Department of Population Biology, Evolutionary Biology Centre, Uppsala University, Sweden</td>
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<td>Delineating mosquito breeding sites with GIS, GPS and DTM for an efficient mosquito control</td>
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<tr>
<td>16:40-17:00</td>
<td>A. Talbalaggi, Mosquito Control Operations, Basaluzzo, Italy</td>
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<tr>
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<td>Larvicidal Efficacy of Teknar (HP-D (Bacillus thuringiensis israelensis) against the mosquito Ochlerotatus caspius in the laboratory and in ricefield plots, Piedmont, Italy</td>
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#### Saturday, Sep. 6

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<tr>
<th>Time</th>
<th>Excursion</th>
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<tr>
<td>10:00-15:00</td>
<td>Nature Reserve Fondazione Bolle di Magadino and the city of Locarno</td>
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<tr>
<td></td>
<td><strong>Closure of the Conference</strong></td>
</tr>
</tbody>
</table>
Committees

Organisation Committee:

Prof. Dr. Peter Lüthy  
email: luethy@micro.biol.ethz.ch

Cherie Aeberli Mills  
ph: +41 43 844 04 01  
email: sove2003@micro.biol.ethz.ch

Eleonora Flacio  
ph/fax: +41 91 966 58 23  
mob: +41 76 580 58 23  
email: eleonoraflacio@freesurf.ch

Dr. Jacques Laville  
Institute for Microbiology, ETHZ

Nicola Patocchi  
Dr. Françoise Pfirsch  
Thomas Amiconi

Email: sove2003@micro.biol.ethz.ch

Conference Organiser

Administration

Local arrangements

Web, IT

Organisation

E-mail

Scientific Committee:

Prof. Dr. Peter Lüthy  
(Switzerland)

Dr. Norbert Becker  
(Germany)

Prof. Dr. Willem Takken  
(The Netherlands)

Dr. Romeo Bellini  
(Italy)

Prof. Dr. Raffaele Peduzzi  
(Switzerland)

Dr. Francis Schaffner  
(France)

Dr. Norman Gratz  
(Switzerland)
Sponsors

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