**Thursday morning, December 12th, 2019**

**60 years of 3Rs principles, 20 years after their revival and now**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairpersons</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>WELCOME</td>
<td>SGV President</td>
</tr>
<tr>
<td>09:05</td>
<td>WELCOME</td>
<td>SGV President</td>
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</table>
| 09:05-09:50 | Keynote Lecture  
Recovering The Principles of Humane Experimental Technique: The 3Rs and the Human Essence of Animal Research | RGW Kirk (University of Manchester, UK) |
| 09:50 | RFINEMENT Handling                                                      | Chairpersons:                                     |
| 10:30 | SGV Awardee in “REFINEMENT”: non-aversive handling                      | J. Hurst (University of Liverpool, UK)            |
| 10:30-10:55 | Handling method alters the hedonic value of reward in laboratory mice | J.M. Clarkson (Newcastle University, UK)          |

**COFFEE BREAK - INDUSTRIAL EXHIBITION (30 min)**

**Thursday afternoon, December 12th, 2019**

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<tr>
<td>11:25</td>
<td>Exposure of developing brain to general anesthesia: what is animal evidence (mice, rats, guinea pigs, NHP)?</td>
<td>V. Todorovic (University of Colorado, USA)</td>
</tr>
<tr>
<td>12:00</td>
<td>Severity classification of repeated isoflurane and xyl/ket anesthesia in C57BL/6Jrj mice: Assessing the degree of distress</td>
<td>K. Hohlbaum (Freie Universität Berlin, D)</td>
</tr>
<tr>
<td>12:30</td>
<td>Evaluation of anaesthetic protocols for laboratory fish.</td>
<td>L. Antunes (University Vila Real, PT)</td>
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**LUNCH - INDUSTRIAL EXHIBITION (1h15)**

**COFFEE BREAK - INDUSTRIAL EXHIBITION (30 min)**

This course is accredited as continuing education in Switzerland for experimenters and study directors.  
**Thursday 12th of December 2019: SGV General Assembly at 18:00**  
**Apero offered for every participant by the SGV and Industry 17:20**
SGV 2019 meeting  
December 12th & 13th, 2019  
Technopark, Zürich

Friday morning, December 13th, 2019

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<tr>
<td>09:05</td>
<td>REDUCTION</td>
<td>Chairpersons:</td>
</tr>
<tr>
<td>09:05</td>
<td>SGV 2019 Awardee in “REDUCTION”:</td>
<td>H. Würbel (University of Bern, CH)</td>
</tr>
<tr>
<td>09:45</td>
<td>Embracing variability to improve reproducibility and minimize animal use</td>
<td></td>
</tr>
<tr>
<td>09:45</td>
<td>Sex bias in preclinical research</td>
<td>N. Karp (Astrazeneca, UK)</td>
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<tr>
<td>10:25</td>
<td>Center for Reproducible Science</td>
<td>L. Held (University of Zürich, CH)</td>
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COFFEE BREAK- INDUSTRIAL EXHIBITION (40 min)

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<tbody>
<tr>
<td>11:20</td>
<td>Endogenous Enterobacteriaceae underlie variation in susceptibility to Salmonella infection</td>
<td>E. Velazquez (University California at Davis, USA)</td>
</tr>
<tr>
<td>11:50</td>
<td>Implementing 3Rs in the context of a transgenic laboratory</td>
<td>P. Pelczar (University of Basel, CH)</td>
</tr>
<tr>
<td>12:20</td>
<td>Swiss 3Rs update</td>
<td>Chairpersons:</td>
</tr>
<tr>
<td>12:20</td>
<td>Swiss 3RCC update</td>
<td>C. Eskes (Swiss3RCC, CH)</td>
</tr>
<tr>
<td>12:40</td>
<td>Swiss 3RCC Biostatistics Task Force</td>
<td>A. Mensen (Swiss3RCC, CH)</td>
</tr>
<tr>
<td>12:50</td>
<td>What’s new in Switzerland (legal, welfare, networks)</td>
<td>SGV President, AWO network (CH)</td>
</tr>
</tbody>
</table>

LUNCH- INDUSTRIAL EXHIBITION (1h00)

Friday afternoon, December 13th, 2019

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<tr>
<td>13:50</td>
<td>SGV 2019 Awardee in “REPLACEMENT”:</td>
<td>P. Nowak_Sliwinska (University of Geneva, CH)</td>
</tr>
<tr>
<td>14:30</td>
<td>Alternatives to Mammalian Screening Models</td>
<td></td>
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<tr>
<td>14:30</td>
<td>Replacing animals in models of neurodegeneration.</td>
<td>G. Tyzack (The Francis Crick Institute, UK)</td>
</tr>
<tr>
<td>15:00</td>
<td>Gastruloids: a new system to study early developmental events in the mammalian embryo</td>
<td>M. Lutolf (EPFL, CH)</td>
</tr>
<tr>
<td>15:30</td>
<td>Fetal Bovine Serum-Past-Present-Future (+ website 260 cell lines culture medium)</td>
<td>J. Van der Valk (3Rs-Centre ULS, NL)</td>
</tr>
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COFFEE BREAK- INDUSTRIAL EXHIBITION (30 min)

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<tr>
<td>16:30</td>
<td>«Animal welfare meets people welfare: Compassion Fatigue”</td>
<td>M. LaFollette (University of Purdue, USA)</td>
</tr>
<tr>
<td>17:00</td>
<td>Transparency communication in animal experimentation: the launch of concordat for openness</td>
<td>I. Buch (Basel Declaration; CH)</td>
</tr>
<tr>
<td>17:30</td>
<td>Take home message</td>
<td>SGV President</td>
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