Programme
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>9:00</td>
<td>Welcome (Seminar room 88, Liesel-Beckmann-Str. 2)</td>
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| 9:15  | T1: Bernhard Klinger  
       *CRISPR/Cas9 mediated gene editing in porcine cells and embryos* |
| 9:30  | T2: Sabine Farschtschi  
       *High-resolution immunophenotyping in bovine blood and milk* |
| 9:50  | “Elevator pitch” -> poster introductions (2 min each), P1 – P8         |
| 10:10 | Coffee break (20 min)                                                 |
| 10:30 | T3: Joanna Kakoulidou  
       *High-Throughput precision phenotyping of a large panel of A. thaliana epigenetic hybrids reveals widespread heterosis in developmental traits* |
| 10:45 | T4: Parvinderdeep Kahlon  
       *Molecular diversity of pathogen defense in a wild tomato species* |
| 11:00 | T5: Miljenka Vuko  
       *Succession of exo- and lipopolysaccharide producing bacteria follows a management shift in soil reclamation chronosequence* |
| 11:15 | “Elevator pitch” -> poster introductions (2 min each), P9 – P14        |
| 11:30 | Poster-Session (Foyer)                                                |
| 12:30 | Lunch (Seminar Room 83/84)                                            |
Programme part II

13:15  T6: Michael Marszalek  
*Sustainable Agriculture with Big Data*

13:30  T7: Ekaterina Sycheva  
*Simulation of adaptive forest management in Europe in new climate conditions*

13:45  T8: Stefan Wimmer  
*The impact of credit access on farm productivity growth: Evidence from a field experiment in rural China*

14:00  T9: Veronika Hannus  
*Increasing acceptance of sustainability standards amongst farmers: Evidence from a choice experiment in Germany*

14:15  **Coffee break (30 min), Voting:** “best poster”/“best pitch”/“best talk”

14:45  **Carmen Baur – TUM start-up consultant [TUM ForTe]**  
*Founding in the area of food and agtech: What does TUM offer for founders?*

15:10  **Pitch-presentation by start-ups**  
- OCELL (*special sensor system for visual assessment of health status of plants by multispectral imaging*)
- CULTIVATA (*indoor planters for the fully autonomous supply of water and nutrients*)
- WOODCHICKEN (*cultivation of an edible tree mushroom as a meat alternative*)
- NANOSOR (*mobile sensor system to analyse environmental parameters and nutrient concentrations*)

16:10  **Dr. Cecile Henrich-Burkhardt**  
*“Patents and licenses at TUM: what is intellectual property and how can you protect it.”*

16:45 **Awards, Conclusions and “Wrap up” with Beer & Brezen**
Postersession [11:30, Foyer]

**Animal Sciences**

P1: Schmeling, Lara: *Development of a sensor based health monitoring system for grating cows*

P2: Wei, Liang: *Gene editing in pigs by CRIPR/Cas9 to overcome barriers for xenotransplantation*

P3: Winogrodzki, Thomas: *Red meat allergy – development and impact of microbiome in α-1,3-Gal-knockout pigs*

P4: Kuenz, Sylvia: *Trypsin inhibitor activity in soybean massively depresses prececal amino acid digestibility in broilers*

P5: Paczkowski, Anna: *Small legumes as a protein and roughage source in organic feeds for pigs and poultry*

**Plant Sciences**

P6: Metz, Nicole: *Occurrence and temporal spreading of Sdh mutants in Alternaria solani in Germany between 2013 and 2016*

P7: Hoheneder, Felix: *Disease resistance of climate adapted spring barley genotypes*

P8: Small, Corinn: *Pathogen adaptations to host and climate in a wild plant-pathosystem*

P9: Kolarek Martina: *Histological analyses on the fruit development of red-fleshed apples*

**Engineering/Sensoring/Data Science/Digitalization**

P10: Hofmann, Markus: *Comparative evaluation of state-of-the-art barn hay drying systems*

P11: Liebhardt, Peter: *Investigation on harvesting techniques and conservation of alfalfa and red clover leaves as a protin and roughage feed for monogastrics*

P12: Mittermayer, Martin: *Mapping spatial variability of soil properties and yield*

P13: Ostovari, Yaser: *Developing models to predict C- and nutrient distribution in soils using hyperspectral imaging*

P14: Pfeiffer, Johanna: *Social acceptance of digital livestock farming technologies*