

**4th May 2017**

## **Workshop on Cereal Rusts**

**Julius Kühn Institute, 14195 Berlin, Königin-Luise-Straße 19**



### **Agenda**

10:00	Kerstin Flath, Holger Beer (JKI Kleinmachnow)	Welcome and presentation of tasks and research at the Julius Kühn-Institut (JKI)
10:30	Yue Jin (USDA-ARS, Minnesota)	Virulence of stem rust in North America, Eastern Africa and Central Asia, and sources of genetic variations.
11:00	Kerstin Flath (JKI Kleinmachnow), Yue Jin (USDA-ARS, Minnesota)	Characterization of isolates derived from an unusual wheat stem rust outbreak in Germany in 2013
11:15	Yue Jin (USDA-ARS, Minnesota)	Stem rust resistance in wheat cultivars/germplasm in North American and CIMMYT wheat.
11:30	Thomas Miedaner (LSA Hohenheim), Kerstin Flath (JKI Kleinmachnow), Yue Jin (USDA-ARS, Minnesota)	Genes for wheat stem rust postulated in German cultivars in seedling stage and their resistance in adult-plant field tests
11:45	Kerstin Hoppenhaus, (Hoppenhaus & Grunze Medien GbR, Berlin)	Ug99 - Rust never sleeps, a film project on stem rust of wheat in East Africa
12:15	BREAK, Lunch at JKI canteen	
13:15	Kerstin Flath, Nicole Sommerfeldt-Impe (JKI Kleinmachnow)	Present situation of stripe rust in Germany: Races, virulences, and cultivar resistance
13:45	Nicole Sommerfeldt-Impe, Kerstin Flath (JKI Kleinmachnow)	Phenotypic and genotypic analyses of effective resistances to stripe rust in four wheat populations
14:00	Bettina Klocke (JKI Kleinmachnow)	Possibilities and limits of resistant cultivars to minimize fungicide applications in winter wheat
14:15	Bettina Klocke, Nicole Sommerfeldt-Impe (JKI Kleinmachnow)	Forecast and decision support system to control stripe rust and stem rust in winter wheat
14:30	All	Final discussion
15:00	Kerstin Flath (JKI Kleinmachnow), Thomas Miedaner (LSA Hohenheim), Roland Buchhorn (JKI Berlin-Dahlem)	Field trials with cereal rusts at JKI Berlin-Dahlem: <ul style="list-style-type: none"><li>– MultiRes - A multiple disease platform for field-based phenotyping</li><li>– RustControl - Improving stem rust resistance in rye</li><li>– Official testing of wheat and triticale cultivars to stripe rust by order of the Bundessortenamt</li></ul>
16:00	End of the workshop	