RENOIR CONFERENCE ROOM	DEGAS CONFERENCE ROOM
Wednesday, September 19, 2018	
15:00 – 17:00 Registration, poster mounting	
Welcome session	
17:00 – 18:00 Opening Ceremony	
18:00 – 19:00 Philipp W. Simon (USDA-ARS; Department of Horticulture, University of Wisconsin-Madison, USA) Carrot genome and beyond	
19:00 Welcome Reception in Czeczotka's Palace	
Thursday, September 20, 2018	
Plenary Session 1: Current issues in carrot and other Apiaceae	
Chair: Mathilde Briard (Agrocampus-Ouest, France)	
9:00 – 9:45 Michaela Hundertmark-Bertaud (Vilmorin-Mikado Seed Pathologist, France) Physiologist Vigour tests show little evidence for predictivity of carrot stand establishment in field trials	
9:45 – 10:15 Matthew Nelson (Royal Botanic Gardens, Kew, UK) Searching for new genetic and adaptive diversity for carrot improvement	
10:15 – 10:45 Taro Takagi (Vilmorin-Mikado Carrot Breeder, Japan) Carrot breeding approach for health benefits	
10:45 – 11:15 Irwin Goldman (Department of Horticulture, University of Wisconsin-Madison, USA) The University of Wisconsin-Madison carrot breeding and genetics program: 69 cycles of breeding for improved quality, productivity, and accessibility in processing carrot	
11:15 – 12:00 Coffee break	

Thursday, September 20, 2018	Thursday, September 20, 2018
Technical Session 1: Food Chain and Logistics	Scientific Session 1: Genetics and genomics
Chair: Agnieszka Sękara (University of Agriculture in Krakow, Poland)	Chair: Rafal Baranski (University of Agriculture in Krakow, Poland)
12:00 – 12:30 Keynote lecture 1: Maciej Jóźwicki (Marwit, Poland) Sustainable production of carrots from the field to the product	12:00 – 12:30 Keynote lecture 1: Massimo Iorizzo (NCSU, USA) Recent advance in carrot genomics
12:30 – 13:00 Keynote lecture 2: Birte Tschentke (Bayer Crop Science, Germany) How Food Chain Partnership supports high quality produce – with carrot examples from Western Europe	12:30 – 13:00 Keynote lecture 2: Frank Dunemann (Julius Kühn-Institut, Germany) Genomics-assisted analysis of natural substances in carrots
13:00 – 13:30 Sato Takashi (Itoen, Japan) About variety `朱衣 (shu-i)´ used for ITO EN, LTD vegetable drink in Japan	13:00 – 13:15 Silvia Bruznican (EV – ILVO, Belgium) Asymmetric protoplast fusion of celeriac and related Apiaceae species
	13:15 – 13:30 Alicja Macko-Podgórni (University of Agriculture in Krakow, Poland) A genome-wide association study reveals a candidate gene associated with the carrot root shape
	13:30 – 13:45 Wilfried Chevalier (IRHS, Agrocampus Ouest, INRA, Université Angers, France) A focus on the implication of genotype by environment interaction on carotenoid accumulation
	13:45 – 14:00 Marek Szklarczyk (University of Agriculture in Krakow, Poland) Identification of genetic factors responsible for the control of CMS in carrots
13:30 – 15:30 Lunch	
Thursday, September 20, 2018	Thursday, September 20, 2018
Technical Session 2: Crop protection	Scientific Session 2: Phylogeny, diversity and domestication
Chair: Jacek Nawrocki (University of Agriculture in Krakow, Poland)	Chair: Massimo Iorizzo (NCSU, USA)
15:30 – 16:00 Keynote lecture 1: Albert Schirring (Bayer Crop Science, Germany) Sustainable carrot production challenges and opportunities along the implementation of the EU Agro – Food policy	15:30 – 16:00 Keynote lecture 1: Pablo Cavagnaro (National Scientific and Technical Research Council (CONICET), Argentina) Carrot anthocyanins – nutrition, diversity and genetics
16:00 – 16:30 Keynote lecture 2: Mirosław Korzeniowski (Bayer Crop Science, Poland) <i>Sustainable carrot protection, Polish good practices example</i>	16:00 – 16:30 Keynote lecture 2: Sheby Ellison (USDA-ARS, Madison, USA) Domestication signatures and epistatic interactions underlying carotenoid accumulation in carrot (Daucus carota L.)
16:30 – 16:45 François Vileneuve (Centre opérationnel de Lanxade, France) Studies on the biology of Bactericera trigonica in the South-West of France and presence of Candidatus	16:30 – 16:45 Najla Mezghani (National Gene Bank, Tunisia) Biodiversity and conservation of carrot wild relatives in Tunisia -An overview
16:45 – 17:00 Julie Gombert (FNAMS, France) Candidatus Liberibacter solanacearum in Apiaceae and Solanaceae seed crops: the prevalence in France	16:45 – 17:00 Charlotte Allender (University of Warwick, UK) CarrotDiverse: understanding variation in a wild relative of carrot
17:00 – 17:15 Florian Boulisset (AGRAUXINE, France) Trichoderma atroviride I-1237 as a consistent biocontrol solution to manage Pythium spp. damages on carrot: R&D characterisation and field approaches	17:00 – 17:15 Jean-Pierre Reduron (Via Apia, France) Phytochemistry of the Daucus carota wild populations in Corsica (France)
17:15 – 17:30 Maria Pobożniak (University of Agriculture in Krakow, Poland) Susceptibility of new and F1 hybrids carrot varieties to attack by hawthorn-aphid (Dysaphis crataegi Kalt.)	17:15 – 17:30 Johanne Brunet (USDA-ARS, USA) Genetic markers to detect introgression of cultivar genes into wild carrot populations
19:30 Gala Dinner in Stara Zajezdnia (The Old Depot)	

Friday, September 21, 2018		
Plenary Session 2: New challenges, new possibilities		
Chair: Philipp W Simon (USDA-ARS; Department of Horticulture, University of Wisconsin-Madison, L	USA)	
9:00 – 9:45 Emmanuel Geoffriau (Agrocampus-Ouest, IRHS, Angers, France) Carrot quality: progress and challenges for breeding and production		
9:45 – 10:15 Laure Barrot (Vilmorin-Mikado Senior Carrot Breeder, France) Control of Heterodera carotae in soil by a resistant genotype		
10:15 – 10:45 Rafał Baranski (University of Agriculture in Krakow, Poland) Carrot genome editing using CRISPR based systems		
10:45 – 11:15 Ewa Grzebelus (University of Agriculture in Krakow, Poland) Application of protoplast technology to Apiaceae species		
11:15 – 12:00 Coffee break		
Friday, September 21, 2018	Friday, September 21, 2018	
Technical Session 3: Cultivation and post-harvest techniques	Scientific Session 3: Resistances to abiotic and biotic stresses	
Chair: Iwona Domagała-Świątkiewicz (University of Agriculture in Krakow, Poland)	Chair: Irwin Goldman (Department of Horticulture, University of Wisconsin-Madison, USA)	
12:00 – 12:30 Keynote lecture 1: Michael Legrand (UNILET, France) Update of herbicides program for carrot in France	12:00 – 12:30 Keynote lecture 1: Birgit Arnholdt-Schmitt (University of Evora, Portugal) **Predicting plant robustness from respiration traits – novel concepts and tools	
12:30 – 13:00 Keynote lecture 2: Emiel Kamminga (Delphy, Netherlands) Strategies for storing carrots	12:30 – 13:00 Keynote lecture 2: Mathilde Briard (Université d'Angers, Agrocampus-Ouest, France) Biotic stresses: challenges and research priorities	
13:00 – 13:15 Vincent Faloya (INRA – Association Carotte de France) DEPHY-Carotte: is it possible to reduce by 50% the pesticide level in cropping systems with carrot as the main crop?	13:00 – 13:15 Claude Koutouan (Université d'Angers, Agrocampus-Ouest, France) Carrot resistance against Alternaria leaf blight: potential involvement of terpenes and flavones	
13:15 – 13:30 Alberto Santori (Certis Europe, Netherlands) Sustainability of Southern European carrot production in relation to fumigation practices	13:15 – 13:30 Valérie LeClerc (Université d'Angers, Agrocampus-Ouest, France) Resistant carrots to Alternaria dauci or tasty carrots: should we choose?	
13:30 – 13:45 Bakhytbek Amirov (Ministry of Agriculture, Kazakhstan) Carrot production and prospects of breeding research in Kazakhstan	13:30 – 13:45 Kornelia Kwolek (University of Agriculture in Krakow, Poland) <i>Identification and analysis of genes associated with carrot response to salinity stress</i>	
13:45 – 14:00 Abdulrahman Almoshileh (Saudi Arabia) Effect of sowing dates on growth yield and quality of carrot (Daucus carota Linn.) under semi arid conditions		
13:45 – 15:45 Lunch		
15:45 – 18:00 Poster session	16:00 ISHS Business Meeting	
Saturday, September 22, 2018		
9:00 – 14:00 Field day		